# Digital Imaging and Communications in Medicine (DICOM)

# Part 16: Content Mapping Resource

*Published by*

**National Electrical Manufacturers Association**
1300 N. 17th Street
Rosslyn, Virginia 22209 USA

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## FOREWORD

The American College of Radiology (ACR) and the National Electrical Manufacturers Association (NEMA) formed a joint committee to develop a standard for Digital Imaging and Communications in Medicine (DICOM). This DICOM Standard was developed according to the NEMA procedures.

This standard is developed in liaison with other standardization organizations including CEN TC251 in Europe, and JIRA and MEDIS-DC in Japan, with review also by other organizations including IEEE, HL7 and ANSI in the USA.

The DICOM Standard is structured as a multi-part document using the guidelines established in the following document:

— ISO/IEC Directives, 1989 Part 3 : Drafting and Presentation of International Standards.

This document is one part of the DICOM Standard, which consists of the following parts:

PS 3.1: Introduction and Overview

PS 3.2: Conformance

PS 3.3: Information Object Definitions

PS 3.4: Service Class Specifications

PS 3.5: Data Structures and Encoding

PS 3.6: Data Dictionary

PS 3.7: Message Exchange

PS 3.8: Network Communication Support for Message Exchange

PS 3.9: Retired

PS 3.10: Media Storage and File Format for Media Interchange

PS 3.11: Media Storage Application Profiles

PS 3.12: Formats and Physical Media

PS 3.13: Retired

PS 3.14: Grayscale Standard Display Function

PS 3.15: Security and System Management Profiles

PS 3.16: Content Mapping Resource

PS 3.17: Explanatory Information

PS 3.18: Web Access to DICOM Persistent Objects (WADO)



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These parts are related but independent documents. Their development level and approval status may differ. Additional parts may be added to this multi-part standard. PS 3.1 should be used as the base reference for the current parts of this standard.



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## 1 Scope and field of application

This part of the DICOM Standard specifies the DICOM Content Mapping Resource (DCMR) which defines the templates and context groups used elsewhere in the standard.

## 2 Normative references

The following standards contain provisions that, through reference in this text, constitute provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibilities of applying the most recent editions of the standards indicated below.

UCUM Unified Code for Units of Measure, Regenstrief Institute for Health Care, Indianapolis 2000.

LOINC® Logical Observation Identifier Names and Codes, Regenstrief Institute for Health Care, Indianapolis 2000.

SNOMED® Systematized Nomenclature of Medicine, Version 3, College of American Pathologists

SNOMED® Systematized Nomenclature of Medicine – RT, College of American Pathologists

JJ1017 Guidelines for HIS, RIS, PACS – Modality Data Communication on Scheduling, Billing, and Examination Records, JJ1017 Version 3.0, Japan Industries Association of Radiological Systems (JIRA) and Japanese Association of Healthcare Information Systems Industry (JAHIS), 2001October 5, 2005, available from http://www.jira-net.or.jp/commission/system/04_information/files/JJ1017VER3_20051005.doc

RFC 3066 Tags for the Identification of Languages, Internet Engineering Task Force

ISO 639 Codes for the representation of names of languages, International Organization for Standardization

ISO 3166 Codes for the representation of names of countries, International Organization for Standardization

ASTM E 1762-04 Standard Guide for Electronic Authentication of Health Care Information, ASTM International

ASTM E 2084-00 Standard Specification for Authentication of Healthcare Information Using Digital Signatures, ASTM International

This DICOM Standard incorporates a subset of terms from SNOMED® RT – The Systematized Nomenclature of Medicine Clinical Terms, used by permission of the College of American Pathologists ©1999 College of American Pathologists (CAP). SNOMED is a registered trademark of the College of American Pathologists, all rights reserved.

All the SNOMED terms used in this Standard are the subject of a royalty pre-paid licensing agreement between NEMA and CAP that allows their use in DICOM applications without further license or payment of fee.

**BI-RADS® Terminology and Nomenclature**



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A portion of the terminology used within the Mammography CAD SR SOP Class and the Breast Imaging Report and Relevant Patient Information for Breast Imaging templates is derived from BI-RADS®, a copyrighted lexicon of breast imaging terminology and nomenclature licensed by DICOM from the American College of Radiology. BI-RADS® publications are available from the American College of Radiology (http://www.acr.org).

**MQCM 1999 Terminology and Nomenclature**

References to MQCM 1999 are made in the description of the Mammography CAD SR SOP Class. In this MQCM 1999 refers to the Mammography Quality Control Manual 1999, available from the American College of Radiology. This document describes a standardized approach to mammographic acquisition standards, patient positioning, and so on. The DICOM standard does not require Mammography CAD SR SOP Class implementations to adhere to MQCM 1999.

**MQSA Terminology and Nomenclature**

References to MQSA are made in the description of the Mammography CAD SR SOP Class. In this MQSA refers to the Mammography Quality Standards Act final rules. While MQSA is a federal regulation of the United States government, it provides the only widely published standards for mammographic quality and is incorporated in this document for that reason. The DICOM standard does not require Mammography CAD SR SOP Class implementations to adhere to MQSA.

**ACR Position Statement**

American College of Radiology. ACR Position Statement. In: Standards. Reston, Va: 2001:iv.

**Fraser and Pare Terminology**

References to [Fraser and Pare] are made in the description of the Chest CAD SR templates and context groups. Specifically, these references are to the “Terms Used in Chest Radiology” and “Terms For CT of the Lungs”, from Fraser and Pare’s Diagnosis of Diseases of the Chest, Fourth Edition, Volume I, pp. xvii-xxxi and pp. xxxiii-xxxvi, respectively.

**Performance of CT for Detection of Pulmonary Embolism in Adults**

American College of Radiology. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults. In: Standards. Reston, Va: 2001:109-113.

**Performance of High-Resolution CT of the Lungs in Adults**

American College of Radiology. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults. In: Standards. Reston, Va: 2001:115-118.

**Performance of Pediatric and Adult Chest Radiography, ACR**

American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Chest Radiography. In: Standards. Reston, Va: 2001:95-98.

**Performance of Pediatric and Adult Thoracic CT**

American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT). In: Standards. Reston, Va: 2001:103-107.

**RECIST**

References to the Response Evaluation Criteria In Solid Tumors are made from the Chest CAD SR templates and context groups. These references are based on the article “New Guidelines to Evaluate the Response to Treatment in Solid Tumors”, by Patrick Therasse et.al., Journal of the National Cancer Institute, Vol. 92, No. 3, February 2, 2000, pp. 205-216. See also http://www.eortc.be/recist/ .



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**WHO**

WHO Handbook for Reporting Results for Cancer Treatment, World Health Organization, Geneva, 1979, WHO Offset Publication No. 48. See also http://whqlibdoc.who.int/publications/9241700483.pdf.

**Myocardial Segmentation**

Manuel D. Cerqueira, et al., "Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart", 2001. See "http://www.asecho.org/freepdf/CardiacSegmentation.pdf".

**Quantitation of the Left Ventricle**

*Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

**AJCC**

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## 3 Definitions

For the purposes of this Standard the following definitions apply.

### 3.1 CODES AND CONTROLLED TERMINOLOGY DEFINITIONS:

The following definitions are commonly used in this Part of the DICOM Standard:

**3.1.1 Baseline Context Group Identifier (BCID):** Identifier that specifies the suggested Context Group for a Code Sequence Attribute.

**3.1.2 Defined Context Group Identifier (DCID):** Identifier that specifies the Context Group for a Code Sequence Attribute that shall be used.

**3.1.3 Extensible Context Group:** Context Group that may be extended by a particular application by inclusion of additional concepts.

**3.1.4 Non-Extensible Context Group:** Context Group whose defined set of concepts shall not be extended by an application.

**3.1.5 Context Group:** A set of coded concepts defined by a Mapping Resource forming a set appropriate to use in a particular context.

**3.1.6 Context Group Version:** Version of a Context Group.

**3.1.7 Context ID (CID):** Identifier of a Context Group.

**3.1.8 Mapping Resource:** A resource that defines context-dependent usage constraints (i.e. Value Set or Relationship Type restrictions) for Attributes. A resource that specifies the mapping of the content of an external controlled terminology to the components of a message standard.

**3.1.9 Relationship Type:** The association between two Concepts. Examples: "HAS PROPERTIES", "CONTAINS", "INFERRED FROM".

**3.1.10 DICOM Content Mapping Resource (DCMR**): A Mapping Resource that defines Templates and Context Groups for use in DICOM IODs.

**3.1.11 Template:** A pattern that describes the Content Items, Value Types, Relationship Types and Value Sets that may be used in part of a Structured Report content tree, or in other Content Item constructs, such as Acquisition Context or Protocol Context. Analogous to a Module of an Information Object Definition.

**3.1.12 Template ID (TID):** Identifier of a Template.

**3.1.13 Value Set:** The allowed values of a Code Sequence Attribute in a given context. Specified either as one or more individual values or by reference to a Context Group.



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**3.1.14 Baseline Template Identifier (BTID):** Identifier that specifies a template suggested to be used in the creation of a set of Content Items.

**3.1.15 Defined Template Identifier (DTID):** Identifier that specifies a template that shall be used in the creation of a set of Content Items.

**3.1.16 Extensible Template:** A template that may be extended by a particular application by inclusion of additional Content Items beyond those specified in the template.

**3.1.17 Non-Extensible Template:** A template that specifies the exact set of Content Items and corresponding Value Sets that shall be used and which shall not be extended by an application.

**3.1.18 Coding schemes:** Dictionaries (lexicons) of concepts (terms) with assigned codes and well defined meanings.

Note: Examples of coding schemes include SNOMED and LOINC**.**

### 3.2 INFORMATION OBJECT DEFINITIONS:

This Part of the Standard makes use of the following terms defined in PS 3.3:

- Code Sequence Attribute

## 4 Symbols and abbreviations

The following symbols and abbreviations are used in this Part of the Standard.

| | |
|---|---|
| **Mammography CAD** | Computer-Aided Detection and/or Computer-Aided Diagnosis for Mammography |
| **Chest CAD** | Computer-Aided Detection and/or Computer-Aided Diagnosis for chest radiography |
| **ACR** | American College of Radiology |
| **ASE** | American Society of Echocardiography |
| **CAP** | College of American Pathologists |
| **DCMR** | DICOM Content Mapping Resource |
| **NEMA** | National Electrical Manufacturers Association |
| **RECIST** | Response Evaluation Criteria In Solid Tumors |
| **SNOMED** | Systematized Nomenclature of Medicine |
| **UCUM** | Unified Code for Units of Measure |
| **WHO** | World Health Organization |
| **EV** | Enumerated Value |
| **DT** | Defined Term |
| **CNAME** | Context Group Name |
| **TNAME** | Template Name |
| **BCID** | Baseline Context Group ID |
| **DCID** | Defined Context Group ID |



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| | |
|---|---|
| **ECID** | Enumerated Context Group ID |
| **BTID** | Baseline Template ID |
| **DTID** | Defined Template ID |
| **ETID** | Enumerated Template ID |

The following upper-case abbreviations represent specific Attributes:

| | |
|---|---|
| **CV** | Code Value (0008,0100) |
| **CSD** | Coding Scheme Designator (0008,0102) |
| **CM** | Code Meaning (0008,0104) |
| **CSV** | Coding Scheme Version (0008,0103) |

## 5 Conventions

Terms listed in Section 3 Definitions are capitalized throughout the document.

## 6 Form of Template Specifications

Templates are patterns that specify the Concept Names, Requirements, Conditions, Value Types, Value Multiplicity, Value Set restrictions, Relationship Types and other attributes of Content Items for a particular application.

An IOD may specify that particular Standard Templates shall be used or may be used to define or constrain the content of a Content Item construct. A Content Item construct includes a coded concept name and one of several types of coded values. Content Item constructs are used in:

- the main Data Set and recursively nested Content Sequences (0040,A730) of the SR Document Content Module
- the Acquisition Context Sequence(0040,0555) of the Acquisition Context Module,
- the Protocol Context Sequence (0040,0440) and Content Item Modifier Sequence (0040,0441) of the Scheduled Procedure Step Module, Image Acquisition Results Module, and others.

Annexes A and C of this Part define Standard Templates.

Note: Standard Extended and Private Templates may be defined by implementors of the Standard. The rules for definition of Standard Extended and Private SR Templates are similar to the rules for definition of Standard Extended and Private SOP Classes. One row of a Template definition table corresponds to one row of a Module table.

Each Standard Template is specified by a Template table in this Part. Each Template table specifies exactly one Template, corresponding to a pattern of content within a Content Item construct.

The range of concepts and the options that are permitted in a family of SR Documents vary inversely with the level of constraint that is applied by the corresponding SR Template. The more narrow the range of concepts and the more restricted the options permitted by a Template, the more predictable the content of the SR Documents will be.



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Notes: 1. A very specific Template defines a family of SR Documents that are very similar to each other. They have a narrow range of content options (e.g. high level of constraint of Content Item values; use of CODE or NUM with Enumerated Context Groups) and their content is therefore highly predictable. A very general (e.g. permissive or broad) Template defines a family of SR Documents that may differ considerably from one another. They have a broader range of content options (e.g. low level of constraint of Content Item values; use of TEXT and relatively little restriction of Content Item values) and their content is less predictable.

2. The degree of interoperability that may be achieved with a family of SR Documents generated from a Template may be determined intentionally and precisely at a desired level by appropriate Template design to achieve the necessary degree of predictability of SR Document contents.

### 6.1 TEMPLATE TABLE FIELD DEFINITION

SR Templates are described using tables of the following form:

**TID #**
**Template Name**
**Type: (Non-)Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |

Acquisition Context Templates are described using tables of the following form:

**TID #**
**Template Name**
**Type: (Non-)Extensible**

| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

Protocol Context Templates are described using tables of the following form:

**TID #**
**Template Name**
**Type: (Non-)Extensible**

| | NL | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |

The semantics of the fields (columns) of Template tables are defined by subsections of this Section. A row of a Template table specifies either one Content Item or inclusion of another Template that may specify any number of Content Items (see Section 6.2.3 for definition of Included Templates). Each



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Template table is named by a title, identified by a TID number and further explained by a description such as explanation of Template contents, purpose and use cases.

The folllowing conventions are defined for the form of references to coded concepts, Context Groups and Templates.

Code Meanings are enclosed in quotation marks (for example “cm”). Code Values and Coding Scheme Designators are not enclosed in quotation marks unless a comma occurs in the string.

References to coded concepts take the following form:

EV or DT (CV, CSD, “CM”)

e.g. an Enumerated Value with only CV, CSD, and CM defined is represented as follows: EV (CV, CSD, “CM”), for example EV (T-04000, SNM3, “Breast”).

MemberOf { BCID or DCID (CID) CNAME } MemberOf selects one term from the specified context group.

If reference to a specific coding scheme version is required, it takes the following form:

EV or DT (CV, CSD [CSV] , “CM”)

e.g., DT (D3-81922, SRT [V1], “Aortic fistula”).

References to Context Groups take the following form:

BCID or DCID (CID) CNAME

e.g. Defined Context Group 5000 is represented as follows: DCID (5000) Language.

References to Templates take the following form:

BTID or DTID (TID) TNAME

e.g. Baseline Template 1000 is represented as follows: BTID (1000) Quotation.

### 6.1.1 Row Number

Each row of a Template Table is denoted by a row number. The first row is numbered 1 and subsequent rows are numbered in ascending order with increments of 1. This number denotes a row for convenient description as well as reference in conditions. The Row Number of a Content Item in a Template may or may not be the same as the ordinal position of the corresponding Sequence Item (representing the Content Item) in a Content Sequence (0040,A730), depending on the number of times the Content Item is repeated.

The Content Item specified in the first row of a Template table may be of any Value Type. Specifically, it is not constrained to be a CONTAINER.

### 6.1.2 Nesting Level (NL)

The nesting level of Content Items is denoted by “>” symbols, one per level of nesting below the initial Source Content Item (of the Template) in a manner similar to the depiction of nested Sequences of Items in Modules Tables in PS 3.3. When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the corresponding Source Content Item. The Nesting Level of a Target Content Item is one greater than the Nesting Level of the corresponding (parent) Source Content Item. The Content Item specified in row 1 of a Template Table is at the top level (i.e. no “>” symbol is ever present in the NL field for the first Content Item in the table).



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Acquisition context templates have no Nesting Level field. Protocol Context templates allow a single Nesting Level implemented through the Content Item Modifier Sequence (see PS3.3).

### 6.1.3 Relationship with Source Content Item (Parent)

Relationship Type and Relationship Mode (i.e. By-value or By-reference) constraints, if defined, are specified in this field, as described in Table 6.1.3-1.

Relationship Type and Mode are specified for each row that specifies a target content item.

Relationship Type and Mode may also be specified when another Template is included, either “top-down” or “bottom-up” or both (i.e. in the “INCLUDE Template” row of the calling Template, or in all rows of the included Template, or in both places). There shall be no conflict between the Relationship Type and Mode of a row that includes another Template and the Relationship Type and Mode of the rows of the included Template.

Note: SR IODs specify Enumerated Values for Relationship Types. If a Relationship Type other than one of the Defined Terms for Relationship Type (0040,A010) is specified in a Private SOP Class, there is a significant risk to interoperability. Documentation accompanying Templates for Private SOP Classes should define any Relationship-type extensions in the manner that the Standard Relationship Types are defined in PS 3.3.

Acquisition context and Protocol Context templates have no Relationship field.

**Table 6.1.3-1**
**Syntax of Relationship Constraints**

| Expression | Definition |
|---|---|
| RTYPE | Relationship Mode is By-value and Relationship Type is RTYPE. For example, “INFERRED FROM”. |
| R-RTYPE | Relationship Mode is By-reference and Relationship Type is RTYPE. For example, “R-INFERRED FROM”. |

### 6.1.4 Value Type (VT)

The Value Type field specifies the SR Value Type of the Content Item or conveys the word “INCLUDE” to indicate that another Template is to be included (substituted for the row). See Section 6.2.3 for further description of “Included Templates”.

### 6.1.5 Concept Name

Any constraints on Concept Name are specified in this field as defined or enumerated coded entries, or as baseline or defined context groups. Alternatively, when the VT field is “INCLUDE”, the Concept Name field specifies the template to be included.

### 6.1.6 Value Multiplicity (VM)

The VM field indicates the number of times that either a Content Item of the specified pattern or an included Template may appear in this position. Table 6.1.6-1 specifies the values that are permitted in this field.

**Table 6.1.6-1**
**Permitted Values for VM**

| Expression | Definition |
|---|---|
| i (where ‘i’ represents an integer) | Exactly i occurrences, where i>=1. E.g. when i=1 there shall be one occurrence of the Content Item in this position. |
| i-j | From i to j occurrences, where i and j are >=1 and j>i. |



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| | |
|---|---|
| 1-n | One or more occurrences |

### 6.1.7 Requirement Type

The Requirement Type field specifies the requirements on the presence or absence of the Content Item or included Template.

Note: There is typically no need to specify Requirement Type separately for SCU and SCP of the Basic SR SOP Classes, because the SCP is required to support the entire content of any SR Document it receives. Therefore, for Basic SR SOP Classes, Requirement Type effectively only applies to the SCU.

The following symbols are used:

M – Mandatory. Shall be present.

MC – Mandatory Conditional. Shall be present if the specified condition is satisfied.

U – User Option. May or may not be present.

UC – User Option Conditional. May not be present. May be present according to the specified condition.

Note: There is an interaction between the VM and the Requirement Type with respect to the number of times that a content item (or included Template) may actually be present, as follows:

| Req Type | VM | Actual number of occurences in the content tree |
|---|---|---|
| M | 1 | 1 |
| M | 1-n | 1 to n |
| U | 1 | 0 or 1 |
| U | 1-n | 0 to n |

### 6.1.8 Condition

The Condition field specifies any conditions upon which presence or absence of the Content Item or its values depends. This field specifies any Concept Name(s) or Values upon which there are dependencies.

References in Condition statements to coded concepts or values, whether to select a content item to test or to specify a value to test against, are of the form (CV, CSD, “CM”). As is always the case for coded entries, the matching is performed against CV and CSD, irrespective of the string value of CM.

References may also be made to row numbers (e.g. to specify exclusive OR conditions that span multiple rows of a Template table).

The following abbreviations are used:

XOR = Exclusive OR. One and only one row shall be selected from mutually-exclusive options.

Note: For example, if one of rows 1, 2, 3 or 4 may be included, then for row 2, the abbreviation “XOR rows 1,3,4” is specified for the condition.

IF = Shall be present if the condition is TRUE; may be present otherwise.

IFF = If and only if . Shall be present if the condition is TRUE; shall not be present otherwise.

### 6.1.9 Value Set Constraint

Value Set Constraints, if any, are specified in this field as defined or enumerated coded entries, or as baseline or defined context groups.



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The Value Set Constraint column may specify a default value for the Content Item if the Content Item is not present, either as a fixed value, or by reference to another Content Item, or by reference to an Attribute from the dataset other than within the Content Sequence (0040,A730).

#### 6.1.9.1 NUM Units Constraint

Constraints on units of measurement, if any, are specified in the Value Set Constraint field if and only if the Value Type is NUM. The constraints are specified either as defined or enumerated coded entries, or as baseline or defined context groups.

#### 6.1.9.2 CONTAINER Continuation Flag Constraint

The value of the Continuity of Content Flag (0040,A050) may be specified in the Value Set Constraint field if and only if the Value Type is CONTAINER.

Note: The SR Document Content Module specifies “SEPARATE” and “CONTINUOUS” as the Enumerated Values for Continuity of Content Flag (0040,A050).

#### 6.1.9.3 SCOORD Graphic Type Constraint

Constraints on the value of the Graphic Type (0070,0023) may be specified in the Value Set Constraint field if and only if the Value Type is SCOORD. The constraint may specify a set of allowed values, or a set of disallowed values. For example:

GRAPHIC TYPE = {POINT}

GRAPHIC TYPE = {CIRCLE, ELLIPSE}

GRAPHIC TYPE = not {MULTIPOINT}

### 6.2 SPECIAL CONVENTIONS FOR TEMPLATE TABLES

#### 6.2.1 Multiple Value Sets Depending on Different Conditions

When a Content Item may have different value sets, each depending on different conditions, the description of each different case begins in a separate row of the Template Table.

#### 6.2.2 Target Content Items of Relationships

When it is necessary to specify the Target Content Item(s) of a relationship, they are specified in the row(s) immediately following the Source Content Item. The Nesting level of a Target Content Item (or set of Target Content Items specified indirectly via an ‘include Template’ macro) is one greater than the Nesting Level of the corresponding Source Content Item, as indicated by an increase in the number of “>” characters in the nesting level.

When a Content Item may be the Source of multiple relationships having different Relationship Types and/or different Relationship Modes and/or different patterns of Target Content Item(s), the description of each different case begins in a separate row of the Template Table.

When the Source Content Item of a relationship has VM of greater than 1, the specified pattern of Target Content Items applies to all instantiations of the Source Content Item.

Note: For example, if a Template specifies that the VM of a Source Content Item is 1-n and specifies a By-value relationship to two CODE Content Items with particular value set constraints, then each instantiation of the Source Content Item has a By-value relationship to two CODE Content Items with the specified value constraints.

When a Source Content Item that has a Requirement Type of U, UC or MC is not present (is not instantiated), no Target Content Items of that Source Content Item are present, even if one or more of the Target Content Items is designated with a Requirement Type of M or MC.

Note: In otherwords, potential children are not present when there is no parent.



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### 6.2.3 Inclusion of Templates

A Template may specify another Template to be included by specifying “INCLUDE” in the Value Type field and the identifier of the included Template in the Concept Name field. All of the rows of the specified Template are in included in the invoking Template, effectively substituting the specified template for the row where the inclusion is invoked. Whether or not the inclusion is user optional, mandatory or conditional is specified in the Requirement and Condition fields. The number of times the included Template may be repeated is specified in the VM field.

#### 6.2.3.1 Template Parameters

A Template that is included by another Template may include parameters that are replaced by values defined in the invoking Template. Parameters may be used to specify coded concepts or Context Groups in the Concept Name, Condition, or Value Set Constraint fields of a Template.

An included Template that accepts parameters shall be introduced by a table listing those parameters of the form:

| Parameter Name | Parameter Usage |
|---|---|
| | |
| | |

Parameters are indicated by a name beginning with the character "$".

The invoking Template may specify the value of the parameters in the included Template by name in the Value Set Constraint field of the INCLUDE row. The parameter in the included Template shall be replaced by the specified parameter value. Specification of a parameter value shall be of one of the following forms:

| Notation | Definition |
|---|---|
| $parametername = EV or DT (CV, CSD, "CM") | The parameter passed to the template is the specified coded term. |
| $parametername = (CV, CSD, "CM") | The parameter passed to the template is the specified coded term, used as a parameter in a Condition field of the included Template. |
| $parametername = BCID or DCID (CID) CNAME | The parameter passed to the template is the Context Group. |
| $parametername = MemberOf {BCID or DCID (CID) CNAME} | The parameter passed to the template is a single coded term from the Context Group in curly braces. |

The specification of a parameter value is valid only for the directly included template. Therefore, it needs to be explicitly respecified in templates intermediate between the originally specifying Template and the target Template. The intermediate Template may use the same parameter name as used by the Template it invokes; in such a case, the intermediate Template would invoke the subsidiary Template with a specification in the Value Set Constraint field such as:

$parametername = $parametername



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Note: In this case, the left hand instance of $parametername is the name in the subsidiary template, and the right hand instance is the (parameterized) value passed into the current template.

The invoking template is not required to specify all parameters of included templates. If not specified, the value set (term or context group) for that parameter is unconstrained. An unconstrained value in a Condition will cause the condition to fail.

### 6.2.4 Post-coordinated Codes and Has Concept Modifier Relationship

Though it may not be explicitly shown in a particular Template, the use of any coded Concept Name in any Content Item may be defined in a post-coordinated rather than pre-coordinated manner, unless explicitly forbidden by the IOD or the Template.

Accordingly, any such Content Item may have any number of Target Content Items via a “HAS CONCEPT MOD” relationship, even if not explicitly specifed in a Template. Each Target Content Item of such a relationship may be more complicated than a single Content Item if the IOD permits (i.e. the post-coordinated concept may potentially be defined by a complex sub-tree).

### 6.2.5 Extension of Templates

An Extensible Template may be extended in an Application generating SOP Instances to include additional Content Items in its definition. Such Content Items shall not duplicate concepts for which an encoding is defined in the Template. I.e., if a method is provided for the encoding of a concept in the Template, that concept shall not be encoded using a different Content Item in an extension to the Template.

A Non-extensible Template shall not be modified in an Application by the addition of Content Items to its definition.

Notes: The set of Content Items in either an Extensible or a Non-extensible Template may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.

A Non-Extensible Template may include a Template that is Extensible. In invoking such a Template, the content structure of SOP Instances created from the Non-Extensible Template may vary according to the varying content structure allowed by the extension of the included Template.

Note: Specification of such extensible content in a Non-Extensible Template may be desirable if the Template defines, e.g., a fixed top level structure into which a variety of lower level structures may be "plugged".

## 7 DCMR Context Group Specifications

Context Groups specify Value Set restrictions for Code Value (0008,0100) and Code Meaning (0008,0104) of Code Sequence Attributes for given functional or operational contexts. This Section specifies the semantics of DCMR Context Group Tables.

### 7.1 CONTEXT GROUP TABLE FIELD DEFINITION

Context Groups are described using tables of the following form (optional columns are shown with italic column titles):

**Context ID <#>**
**<Context Group Name>**
**Type: (Non-)Extensible Version: <yyyymmdd>**

| Coding Scheme Designator | *Coding Scheme Version* | Code Value | Code Meaning | *<Reference Terminology> Equivalent Value* |
|---|---|---|---|---|
| | | | | |



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| Coding Scheme Designator | *Coding Scheme Version* | Code Value | Code Meaning | *<Reference Terminology> Equivalent Value* |
|---|---|---|---|---|
| | | | | |

A row of a Context Group table specifies one coded concept. Each Context Group table is named by a title and identified by a CID number and version.

The columns of the tables consist of:

- Coding Scheme Designator (0008,0102)
- Code Value (0008,0100)
- Code Meaning (0008,0104)

In those cases where it is necessary, Coding Scheme Version (0008,0103) may also be specified. This column may be absent if Coding Scheme Version is not required for any of the coded concepts in the Context Group.

The value specified in the Code Meaning field is an acceptable value for the specified code value, but does not preclude the use of other synonymous text in the same or other language.

Note: Some coding schemes such as LOINC do not specify the equivalent of a Code Meaning.

If further description of the concept represented by the code is required in the DCMR (rather than referring to an external coding scheme), it is included in a separate table.

An optional column may provide an informative mapping from the coded concepts of the Context Group to a reference terminology specified in the column heading.

A Context Group may alternatively be defined by narrative reference to an externally defined coding scheme.

Note: See for instance CID 82.

## 7.2 SPECIAL CONVENTIONS FOR CONTEXT GROUP TABLES

### 7.2.1 Include Context Group

The 'Include Context Group' macro is a concise mechanism for including (by-reference) all of the rows of a specified Context Group in the invoking Context Group, effectively substituting the specified Context Group for the row where the macro is invoked. If an 'Include Context Group' is specified, it shall be specified in the Concept Name column of a Context Group Table. Table 7.2.1-1 specifies the syntax of the 'Include Context Group macro.

**Table 7.2.1-1**
**Include Context Group Macro**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| … | … | … |
| *Include CID nnn* | | |
| … | … | … |



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### 7.2.2 Units Of Measurement

Context Group 82 is defined to include all units of measurement relevant to DICOM IODs. In the past it was envisaged that an extensible list of pre-coordinated codes would be included in the mapping resource.

DICOM has now adopted the Unified Codes for Units of Measurement (UCUM) standard for all units of measurement. This coding scheme allows for the "construction" of pre-coordinated codes from atomic components.

The specialization of the UCUM standard as it is used in DICOM involves the following rules:

- the Coding Scheme Designator is specified as "UCUM"
- the version of UCUM from which a code is constructed is specified in Coding Scheme Version
- the Code Value will be constructed from UCUM and make use of the "case-sensitive" form of UCUM code (e.g. "ml/s")
- the Code Meaning for other than UCUM unity may be one of three classes of synonyms:
    - the same string as sent in the Code Value when an abbreviation is required (e.g. "ml/s")
    - constructed from the "names" of individual components using the Americanized form of name (e.g. "milliliters/second")
    - constructed from the "names" of individual components using the European form of name (e.g. "millilitres/second")
- In the case of UCUM unity ("1", or curly bracket expression) it is forbidden to use "1" as a Code Meaning. Annex G provides Code Meanings for a Code Value (0008,0100) of 1. A Template or Context Group may constrain the Code Meaning according to the following rules:
    - UCUM default unit 1 shall use one of the Code Meaning synonyms specified in Annex G
    - ratios of identically dimensioned values may use ({ratio}, UCUM, "ratio")
    - unitless numeric scores may use ({M:N}, UCUM, "range: M:N") to specify the minimum and maximum value, for example, ({0:10}, UCUM, "range: 0:10")
    - counts using UCUM annotation shall always use the text within the curly braces as the Code Meaning, for example, ({masses}, UCUM, "masses")

### 7.2.3 Extension of Context Groups

An Application may extend an Extensible Context Group by adding terms for new concepts. Applications may not substitute other terms of the same concept in the Context Group. Such extension may be made without a change in Context Group Identifier, but with the specification of Code Set Extension (see PS3.3).

Non-extensible Context Groups shall not be modified in an Application.

Note: The set of concepts in either an Extensible or a Non-extensible Context Group may be changed in subsequent editions of the Standard, in accordance with the procedures of the DICOM Standards Committee.



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# 8 Coding Schemes

Table 8-1 list the coding schemes (and their designators) that have been used in HL7, ASTM and DICOM.

Notes: 1. An earlier version of this table was formerly contained in Annex D of PS 3.3.

2. See PS3.3 “Coding Scheme Designator and Coding Scheme Version” for further description.

3. The Coding Scheme UIDs are provided for reference only; the normative specification of UIDs and their associated meaning is the responsibility of the coding scheme developer and/or HL7.

4. The HL7 registration of Coding Schemes is available at http://hl7.org/oid/codingsystems.pdf.

5. Use of some Coding Schemes may require a license.

**Table 8-1 Coding Schemes**

| Coding Scheme Designator | Coding Scheme UID | Description |
|---|---|---|
| ACR | | ACR Index for Radiological Diagnosis Revised, 3rd Edition 1986 |
| AS4 | | American Society for Testing & Materials and CPT4 (see Appendix A of ASTM E1238 and its codes revisions). |
| ASTM-sigpurpose | 1.2.840.10065.1.12 | ASTM E 2084 Signature Purpose codes (see Annex A1 of ASTM E 2084), ASTM Subcommittee E 31.20 Data and System Security for Health Information |
| ART | | WHO Adverse Reaction terms |
| ATC | | American Type Culture Collection |
| BARI | | Bypass Angiography Revascularization Investigation, Alderman, EL and Stadius, M, Coronary Artery Disease 1992,3:1189-1207; endorsed by ACC/AHA Guidelines for Coronary Angiography, J Am Coll Cardiol 1999,33:1791 |
| BI | | ACR Breast Imaging Reporting and Data System (BI-RADS®BI-RADS® ), Coding Scheme Version (0008,0103) is required; code values are section and paragraph identifiers within the publication where the code meaning is defined (e.g., “I.D.1”, where I = Breast Imaging Lexicon, D = Special Cases, 1 = Tubular Density, as the code value for “Tubular Density”). |
| C4 | 2.16.840.1.113883.6.12 | American Medical Association’s Current Procedure Terminology 4 (CPT-4) |
| C5 | 2.16.840.1.113883.6.82 | American Medical Association’s Current Procedure Terminology 5 (CPT-5) |
| CD2 | 2.16.840.1.113883.6.13 | American Dental Association’s (ADA) Current Dental Terminology 2 (CDT-2) |
| CDCA | | CDC Analyte Codes |
| CDCM | | CDC Methods/Instruments Codes |
| CDS | | CDC Surveillance Codes |
| CST | | COSTART coding system for adverse drug reactions |
| CVX | | CDC Vaccine Codes |
| CAS | | Chemical abstract codes – United States Pharmacopeial Convention |
| CE | | CEN PT007 ECG Diagnostic Codes. |



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| | | |
|---|---|---|
| DCL | | DICOM – never used |
| DCM | 1.2.840.10008.2.16.4 | DICOM Controlled Terminology; PS 3.16 Content Mapping Resource, Annex D |
| DCMUID | 1.2.840.10008.2.6.1 | DICOM UID Registry |
| DQL | | DICOM – never used |
| E | | Euclides AFP Codes |
| E5 | | Euclides kind of quantity codes |
| E6 | | Euclides Lab method codes |
| E7 | | Euclides Lab equipment codes |
| ENZC | | Enzyme Codes |
| FDDC | | First DataBank Drug Codes |
| FDDX | | First DataBank Diagnostic Codes |
| FDK | | FDA K10 (device & analyte process codes). |
| HB | | Health Industry Business Communications Council (HIBCC) |
| HHC | | Home Health Care Classification System |
| HI | | Health Outcomes Institute codes for outcome variables |
| HPC | 2.16.840.1.113883.6.14 | Healthcare Financing Administration (HCFA) Common Procedure Coding System (HCPCS) |
| I10 | 2.16.840.1.113883.6.3 | International Classification of Diseases revision 10 (ICD-10) |
| I10P | 2.16.840.1.113883.6.4 | ICD-10 Procedure Coding System (ICD 10 PCS) |
| I9 | 2.16.840.1.113883.6.42 | International Classification of Diseases revision 9 (ICD-9) |
| I9C | 2.16.840.1.113883.6.2 | International Classification of Diseases revision 9, with Clinical Modifications (ICD-9-CM) |
| IBT | | International Society of Blood Transfusion (ISBT). Blood Group Terminology “1990” |
| IC2 | | International Classification of Health Problems in Primary Care (ICHPPC-2) |
| ICS | | ICCS |
| IUPC | | IUPAC component (analyte) codes |
| IUPP | | IUPAC property codes |
| ISO639_1 | | Two-letter language codes |
| ISO639_2 | | Three-letter language codes |
| ISO3166_1 | 2.16.1 | ISO 3166-1 alpha-2 Country Codes |
| ISO5218_1 | | Representation of Human Sexes (not used – see note) |
| IUC | | IUPAC/IFCC Recommendations of Quantities and Units in Clinical Chemistry |
| JC8 | | Japanese Chemistry Clinical examination classification code. Japan Association of Clinical Pathology. Version 8, 1990. |
| LN | 2.16.840.1.113883.6.1 | Logical Observation Identifier Names and Codes, Regenstrief Institute |
| MCD | | Medicaid billing codes/names. |
| MCR | | Medicare billing codes/names. |
| MDDX | | Medispan diagnostic codes (drug-diagnosis interaction) |
| MDNS | | Universal Medical Device (UMD) Nomenclature System |



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| | | |
|---|---|---|
| MEDC | | Medical Economics Drug Codes |
| MEDR | | Medical Dictionary for Drug Regulatory Affairs (MEDDRA) |
| MEDX | | Medical Economics Diagnostic Codes |
| MGPI | | Medispan GPI – hierarchical drug codes |
| MVX | | CDC Vaccine Codes |
| NCDR | | American College of Cardiology National Cardiovascular Data Registry™ Cath Lab Module<br>Version 1.1, 1997; Version 2.0b, 1999 |
| NDC | | National drug codes, FDA |
| NIC | | Nursing Interventions – Iowa Intervention Project |
| NPI | | HCFA National Provider Identifier |
| OHA | | Omaha System – Omaha Visiting Nurse Association |
| POS | 2.16.840.1.113883.6.50 | HCFA Place of Service (POS) Codes for Professional Claims |
| RC | | Read Clinical Classification of Medicine |
| RFC3066 | | RFC 3066, Tags for the Identification of Languages, Internet Engineering Task Force |
| 99SDM | | SNOMED Version 3 (Retired) |
| S3 | | SNOMED Version 3 (never used in DICOM) |
| SCPECG | | Standard Communications Protocol for Computer-Assisted Electrocardiography, Draft proposal for ISO Standard, AAMI, Revision 1.3 |
| SNM | | SNOMED (never used in DICOM) |
| SNM3 | 2.16.840.1.113883.6.51 | SNOMED International Version 3 |
| SNT | | SNOMED topology codes (never used in DICOM) |
| SRT | 2.16.840.1.113883.6.5 | SNOMED-RT (Referenced Terminology) |
| UC | | UCDS Uniform Clinical Data Systems |
| UCUM | 2.16.840.1.113883.6.8 | Unified Code for Units of Measure |
| UMD | | Universal Medical Device Nomenclature System (MDNS). |
| UML | | Unified Medical Language |
| UPC | 2.16.840.1.113883.6.55 | Universal Product Code - Universal Code Council |
| UPIN | | HCFA Universal Physician Identification Numbers |
| W1 | | World Health organization record number drug codes - six digit code |
| W2 | | World Health organization record number drug codes - eight digit code |
| W4 | | World Health organization record number drug codes with ASTM extensions (see appendix A of ASTM 1238-91) |
| WC | | WHO's ATC codes provide a hierarchical classification of drugs by therapeutic class. |

Note: Coding Scheme Designator ISO5218_1 was improperly specified in earlier editions of the standard. The codes attributed to that coding scheme have been added to the DICOM Controlled Terminology, and thus all references to coding scheme ISO5218_1 should be considered equivalent to coding scheme DCM.



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# Annex A Structured Reporting Templates (Normative)

This Annex specifies the content of Standard Templates that may be used by DICOM SR IODs.

## GENERAL TEMPLATES

### TID 300 Measurement

This Template provides a general structure for a numeric measurement, together with evaluations of its normality and/or significance, and the inference source(s) for its value. This structure is instantiated by inclusion of this Template with specific contextual parameters from a parent Template.

**TID 300 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Measurement | Coded term or Context Group for Concept Name of measurement |
| $Units | Units of Measurement |
| $ModType | Modifier Name for Concept Name of measurement |
| $ModValue | Modifier Value for Concept Name of measurement |
| $Method | Value for Measurement Method |
| $Derivation | Value for Measurement Derivation |
| $TargetSite | Value for Anatomic Location of measurement |
| $TargetSiteMod | ModifierValue for Anatomic Location of measurement |
| $Equation | Coded term or Context Group for the equation or table from which the measurement was derived or computed |
| $ImagePurpose | Purpose of Reference for an image used as a source of the measurement |
| $WavePurpose | Purpose of Reference for a waveform used as a source of the measurement |
| $RefAuthority | Bibliographic reference or authority for statistical properties of a reference population |
| $RangeAuthority | Bibliographic reference or authority for the normal range of the measurement |

**TID 300**
**Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | $Measurement | 1 | M | | Units = $Units |
| 2 | > | HAS CONCEPT MOD | CODE | $ModType | 1-n | U | | $ModValue |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C036, SRT, “Measurement Method") | 1 | U | | $Method |
| 4 | > | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | U | | $Derivation |
| 5 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | U | | $TargetSite |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality") | 1 | U | | DCID (244) Laterality |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 7 | >> | HAS CONCEPT MOD | CODE | DT (G-A1F8, SRT, “Topographical modifier") | 1 | U | | $TargetSiteMod |
| 8 | > | HAS PROPERTIES | INCLUDE | DTID (310) Measurement Properties | 1 | U | | $RefAuthority = $RefAuthority<br>$RangeAuthority = $RangeAuthority |
| 9 | > | INFERRED FROM | NUM | | 1-n | U | | |
| 10 | > | R-INFERRED FROM | NUM | | 1-n | U | | |
| 11 | > | INFERRED FROM | INCLUDE | DTID (315) Equation or Table | 1 | UC | XOR Row 12 | $Equation = $Equation |
| 12 | > | INFERRED FROM | TEXT | DCID (228) Equation or Table | 1 | UC | XOR Row 11 | |
| 13 | > | | INCLUDE | DTID (320) Image or Spatial Coordinates | 1-n | U | | $Purpose = $ImagePurpose |
| 14 | > | | INCLUDE | DTID (321) Waveform or Temporal Coordinates | 1-n | U | | $Purpose = $WavePurpose |
| 15 | > | | INCLUDE | DTID (1000) Quotation | 1 | U | | |

**Content Item Descriptions**

Rows 2, 3, 4, 5 - The HAS CONCEPT MOD items allow the explicit definition of terms for post-coordination of the measurement concept name. Additional post-coordinated modifier terms may be included in a SOP Instance based on this template, in accordance with section 6.2.4.

Rows 9, 10 - The INFERRED FROM items allow the specification (by-value or by-reference) of numeric values that were used in the derivation of the numeric measurement of Row 1. The nature of the inference is not explicitly conveyed; it may be implicit in the Concept Names of the measurements. Inference by-reference is valid only in SOP Classes that permit the INFERRED FROM relationship by-reference.

**TID 310Measurement Properties**

This Template provides the properties of a numeric measurement, including evaluations of its normality and/or significance, its relationship to a reference population, and an indication of its selection from a set of measurements.

**TID 310 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $RefAuthority | Bibliographic reference or authority for statistical properties of a reference population |
| $RangeAuthority | Bibliographic reference or authority for the normal range of the measurement |

**TID 310**
**Measurement Properties**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121402, DCM, | 1 | U | | DCID (222) Normality |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | "Normality") | | | | Codes |
| 2 | | | INCLUDE | DTID (311) Measurement Statistical Properties | 1 | U | | $RefAuthority = $RefAuthority |
| 3 | | | INCLUDE | DTID (312) Normal Range Properties | 1 | U | | $RangeAuthority = $RangeAuthority |
| 4 | | | CODE | EV (121403, DCM, "Level of Significance") | 1 | U | | DCID (220) Level of Significance |
| 5 | | | NUM | DCID (225) Measurement Uncertainty Concepts | 1-n | U | | |
| 6 | | | CODE | EV (121404, DCM, "Selection Status") | 1 | U | | DCID (224) Selection Method |

### TID 311Measurement Statistical Properties

This Template provides the statistical properties of a reference population for a numeric measurement, and/or the position of a measurement in such a reference population.

**TID 311 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $RefAuthority | Bibliographic reference or authority for statistical properties of a reference population |

**TID 311**
**Measurement Statistical Properties**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | DCID (221) Measurement Range Concepts | 1-n | M | | |
| 2 | | | TEXT | EV (121405, DCM, "Population description") | 1 | U | | |
| 3 | | | TEXT | EV (121406, DCM, "Reference Authority") | 1 | UC | XOR row 4 | |
| 4 | | | CODE | EV (121406, DCM, "Reference Authority") | 1 | UC | XOR row 3 | $RefAuthority |

### TID 312Normal Range Properties

This Template provides the normal range of values for a numeric measurement.

**TID 312 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $RangeAuthority | Bibliographic reference or authority for the normal range of the measurement |



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**TID 312**
**Normal Range Properties**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | DCID (223) Normal Range Values | 1-n | M | | |
| 2 | | | TEXT | EV (121407, DCM, ”Normal Range description”) | 1 | U | | |
| 3 | | | TEXT | EV (121408, DCM, “Normal Range Authority”) | 1 | UC | XOR row 4 | |
| 4 | | | CODE | EV (121408, DCM, “Normal Range Authority”) | 1 | UC | XOR row 3 | $RangeAuthority |

**TID 315Equation or Table**

**TID 315 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Equation | Coded term or Context Group for the equation or table from which a measurement was derived or computed |

**TID 315**
**Equation or Table**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (228) Equation or Table | 1 | M | | $Equation |
| 2 | > | HAS PROPERTIES | NUM | | 1-n | U | | |
| 3 | > | R-HAS PROPERTIES | NUM | | 1-n | U | | |

**Content Item Descriptions**

Row 2 - The HAS PROPERTIES allows the specification of the numeric values used as input to the equation or table identified in Row 1.

Row 3 - The HAS PROPERTIES allows the specification by-reference of the numeric values used as input to the equation or table. This row is valid only in SOP Classes that permit the HAS PROPERTIES relationship by-reference.

Note: For example, if Row 1 identifies a specific Body Surface Area equation, Rows 2 and 3 can be used to convey (by-value or by-reference) the Patient Height and Patient Weight numeric measurements used in the BSA computation.



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### TID 320Image or Spatial Coordinates

This Template provides a general structure for inference from an image, either as a whole, or with specific spatial coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Image Content Item may be included by-reference.

**TID 320 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Purpose | Purpose of Reference for an image used as a source of the measurement |

**TID 320**
**Image or Spatial Coordinates**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | INFERRED FROM | IMAGE | $Purpose | 1 | MC | XOR Rows 2, 3 | |
| 2 | | R-INFERRED FROM | IMAGE | | 1 | MC | XOR Rows 1, 3 | |
| 3 | | INFERRED FROM | SCOORD | $Purpose | 1 | MC | XOR Rows 1, 2 | |
| 4 | > | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 5 | |
| 5 | > | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 4 | |

### TID 321Waveform or Temporal Coordinates

This Template provides a general structure for referencing a waveform, either as a whole, or with specific temporal coordinates, as a single included Template in the invoking Template. If allowed by the IOD, the Waveform Content Item may be included by-reference.

**TID 321 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Purpose | Purpose of Reference for a waveform used as a source of the measurement |

**TID 321**
**Waveform or Temporal Coordinates**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | INFERRED FROM | WAVEFORM | $Purpose | 1 | MC | XOR Rows 2, 3 | |
| 2 | | R-INFERRED FROM | WAVEFORM | | 1 | MC | XOR Rows 1, 3 | |
| 3 | | INFERRED FROM | TCOORD | $Purpose | 1 | MC | XOR Rows 1, 2 | |
| 4 | > | SELECTED FROM | WAVEFORM | | 1 | MC | XOR Row 5 | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 5 | > | R-SELECTED FROM | WAVEFORM | | 1 | MC | XOR Row 4 | |

### TID 350 References to Supporting Evidence

This template provides references to supporting evidence in the form of DICOM composite objects. This includes references to images, spatial coordinates on images, and other composite objects, such as Structured Reports.

**TID 350**
**REFERENCES TO SUPPORTING EVIDENCE**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | IMAGE | BCID (7003) Diagnostic Imaging Report Purposes of Reference | 1-n | U | | |
| 2 | | | SCOORD | BCID (7003) Diagnostic Imaging Report Purposes of Reference | 1-n | U | | |
| 3 | > | SELECTED FROM | IMAGE | | 1 | M | | |
| 4 | | | COMPOSITE | DT (122073, DCM, "Current procedure evidence") | 1-n | U | | |
| 5 | > | HAS CONCEPT MOD | CODE | EV (121144, DCM, “Document Title") | 1 | U | | |

### TID 351 Previous Reports

This general template provides a means to reference previous structured reporting composite object instances.

**TID 351**
**PREVIOUS REPORTS**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111549, DCM, ”Previous Reports”) | 1 | M | | |
| 2 | > | CONTAINS | COMPOSITE | | 1-n | M | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 2 | Concept Name may be the Root Concept Name (title) of a Structured Report composite object instance. |



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**TID 1000 Quotation**

Unless otherwise specified, content in an SR tree is “directly” observed. When material is quoted (from a source that is either a document or something spoken), then it is necessary to specify:

- the fact that one is quoting
- who is doing the quoting
- the source of the quote
- who is being quoted, and who and what the quote is about

This template establishes a mechanism for quoting by specifying:

- the fact that one is quoting, by the presence of the contents of the template in the tree
- that the “observer context” above the invocation of this template establishes who is doing the quoting
- the source of the quote, by the values of the content items in this template
- who is being quoted, and who and what the quote is about, by the observation context that is established at the start of the quoted material

This template may be invoked recursively, to nest quotes within quotes. In essence, the chain of who is quoting whom can be established by maintaining a “stack” of observer context.

If a dimension of observation context is the same in the quoted material as in the enclosing tree, then the observation context does not need to be respecified (e.g. the quote may be about the same subject or procedure). Typically, the observer context would change (unless one were quoting oneself).

In the case of quoting something that was spoken, the “observer” is the person speaking.

TID 1000 is attached using HAS OBS CONTEXT relationships to the top node of the material that is being quoted. The presence of the Quoted Source concept signals the fact that the material is quoted rather than directly observed.

**TID 1000**
**QUOTATION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS OBS CONTEXT | CODE | EV (121001, DCM, “Quotation Mode”) | 1 | M | | EV (121003, DCM, “Document”)<br>EV (121004, DCM, “Verbal”) |
| 2 | | HAS OBS CONTEXT | COMPOSITE | EV(121002,DCM,”Quoted Source”) | 1 | MC | Required if quoted material source is a DICOM composite object | |
| 3 | | HAS OBS CONTEXT | INCLUDE | DTID (1001) "Observation Context" | 1 | M | | |

**TID 1001 Observation Context**

Specifies attributes of observation context that may be defined, extended or replaced at any location in the SR tree.

This includes attributes that specify:



--`,,```,,,,````-`-`,,`,,`,`,,`---

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- who or what the observation is about (“subject context”)
- what procedure the observation is about (“procedure context”)
- who or what is making the observation (“observer context”)

Establishing context includes two aspects of each dimension: identification and description (e.g. patient name and ID vs. patient’s age, height or weight).

Whenever one dimension of context is changed or an attribute is added, all attributes of that dimension of context are “flushed”, that is they need to be repeated in their entirety. For example, when the subject is changed from patient (name, id) to fetus (number), then the parameters of the patient are discarded. E.g. the patient’s ID does not apply to the fetus.

“Extending” the same class and dimension of observation context isn’t feasible, since one cannot “null out” or remove a previously set attribute. Any time a dimension of observation context is “replaced”, any attributes that are unspecified remain unspecified (i.e. they are not inherited).

**TID 1001**
**OBSERVATION CONTEXT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS OBS CONTEXT | INCLUDE | DTID (1002) “Observer Context” | 1-n | MC | Required if all aspects of observer context are not inherited. | Defaults to the attributes of the Author Observer Sequence (0040,A078), or the Verifying Observer Sequence (0040,A073) if the Author Observer Sequence is not present |
| 2 | | HAS OBS CONTEXT | INCLUDE | DTID (1005) “Procedure Context” | 1 | MC | Required if all aspects of procedure context are not inherited. | |
| 3 | | HAS OBS CONTEXT | INCLUDE | DTID (1006) “Subject Context” | 1 | MC | Required if all aspects of observation subject context are not inherited. | |

**TID 1002 Observer Context**

The observer (person or device) that created the Content Items to which this context applies.

Whenever this template is invoked, all previously inherited attributes of Observer Context are discarded and replaced.

There may be more than one observer, as this template may be invoked with a VM 1-n, and both person and device observers. In such a case, the Content Items of TID 1003 and 1004 shall be included in the order in which the values of Observer Type are specified. Since TID 1003 and 1004 both include a single mandatory Content Item as their first Content Item, which observer is being described can be determined

**TID 1002**
**OBSERVER CONTEXT**
**Type: Non-Extensible**



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS OBS CONTEXT | CODE | EV (121005,DCM, “Observer Type”) | 1 | MC | IF Observer type is device | DCID (270) Observer Type<br>Defaults to (121006,DCM, “Person”) |
| 2 | | HAS OBS CONTEXT | INCLUDE | DTID (1003) Person observer identifying attributes | 1 | MC | IFF Row 1 value = (121006,DCM, “Person”) or Row 1 is absent | |
| 3 | | HAS OBS CONTEXT | INCLUDE | DTID (1004) Device observer identifying attributes | 1 | MC | IFF Row 1 value = (121007,DCM, “Device”) | |

**TID 1003 Person Observer Identifying Attributes**

This template contains identifying (and optionally descriptive) attributes of persons that are observers.

**TID 1003**
**PERSON OBSERVER IDENTIFYING ATTRIBUTES**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | PNAME | EV (121008,DCM, “Person Observer Name”) | 1 | M | | |
| 2 | | | TEXT | EV (121009,DCM, “ Person Observer’s Organization Name”) | 1 | U | | Defaults to Institution Name (0008,0080) of the General Equipment Module |
| 3 | | | CODE | EV (121010,DCM, “ Person Observer’s Role in the Organization”) | 1 | U | | BCID(7452) Organizational Roles |
| 4 | | | CODE | EV (121011,DCM, “ Person Observer’s Role in this Procedure”) | 1 | U | | BCID(7453) Performing Roles |

**TID 1004 Device Observer Identifying Attributes**

This template (derived from the DICOM General Equipment Module of PS3.3) contains identifying (and optionally descriptive) attributes of devices that are observers.

**TID 1004**
**DEVICE OBSERVER IDENTIFYING ATTRIBUTES**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | UIDREF | EV (121012,DCM, “Device Observer UID”) | 1 | M | | |
| 2 | | | TEXT | EV (121013,DCM, “Device Observer Name”) | 1 | U | | Defaults to value of Station Name (0008,1010) in General Equipment Module |
| 3 | | | TEXT | EV (121014,DCM, “Device Observer Manufacturer”) | 1 | U | | Defaults to value of Manufacturer (0008,0070) in General Equipment Module |



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|---|---|---|---|---|---|---|---|---|
| 4 | | | TEXT | EV (121015,DCM, “Device Observer Model Name”) | 1 | U | | Defaults to value of Manufacturer’s Model Name (0008,1090) in General Equipment Module |
| 5 | | | TEXT | EV (121016,DCM, “Device Observer Serial Number”) | 1 | U | | Defaults to value of Device Serial Number (0018,1000) in General Equipment Module |
| 6 | | | TEXT | EV (121017,DCM, “Device Observer Physical Location during observation”) | 1 | U | | |

**TID 1005 Procedure Context**

This template contains identifying (and optionally descriptive) attributes of the procedure that is the source of evidence being interpreted.

Whenever this template is invoked, all previously inherited attributes of Procedure Context are discarded and replaced.

Note: If an observed digital image is identified by other than a DICOM UID, a Study Instance UID must be generated for the non-DICOM evidence. The same must be done to document interpretation of hard-copy radiographs generated outside of the scope of the DICOM system.

**TID 1005**
**PROCEDURE CONTEXT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | UIDREF | EV (121018,DCM, “Procedure Study Instance UID”) | 1 | U | | Defaults to Study Instance UID (0020,000D ) of General Study Module |
| 2 | | | UIDREF | EV (121019,DCM, “Procedure Study Component UID”) | 1-n | U | | Defaults to Referenced SOP Instance UID (0008,1155) in Referenced Performed Procedure Step Sequence (0008,1111) of General Series Module |
| 3 | | | TEXT | EV (121020,DCM, “Procedure HL7 Placer Number of Evidence”) | 1 | U | | Defaults to (0040,2016) |
| 4 | | | TEXT | EV (121021,DCM, “Procedure HL7 Filler Number of Evidence”) | 1 | U | | Defaults to (0040,2017) |
| 5 | | | TEXT | EV(121022,DCM,”Procedure Accession Number”) | 1 | U | | Defaults to (0008,0050) |
| 6 | | | CODE | EV(121023,DCM,”Procedure Code”) | 1 | U | | Defaults to Procedure Code Sequence (0008,1032) of General Study Module |

**TID 1006 Subject Context**

This template contains identifying (and optionally descriptive) attributes of the subject of the interpretation.



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Subject context identifies (and optionally) describes the subject of the interpretation, whether it be a patient (human or animal), a fetus (human or animal), or a specimen.

**TID 1006**
**SUBJECT CONTEXT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121024, DCM, "Subject Class") | 1 | MC | IF subject is not the Patient | DCID (271) Observation Subject Class<br>Defaults to (121025, DCM, "Patient") |
| 2 | | | INCLUDE | DTID (1007) Subject Context, Patient | 1 | UC | IFF Row 1 value = (121025,DCM, "Patient") or Row 1 is absent | May be used for human or animal patients |
| 3 | | | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | UC | IFF Row 1 value = (121026,DCM, "Fetus") | May be used for human or animal fetuses |
| 4 | | | INCLUDE | DTID (1009) Subject Context, Specimen | 1 | UC | IFF Row 1 value = (121027, DCM, "Specimen") | |

**TID 1007 Subject Context, Patient**

Identifies (and optionally describes) a patient who is the subject.

**TID 1007**
**SUBJECT CONTEXT, PATIENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | UIDREF | EV (121028,DCM, "Subject UID") | 1 | U | | E.g. SOP Instance UID of Detached Patient Instance |
| 2 | | | PNAME | EV (121029,DCM, "Subject Name") | 1 | MC | Required if not inherited. | Defaults to value of Patient's Name (0010,0010) in Patient Module |
| 3 | | | CODE | EV (121030,DCM, "Subject ID") | 1 | MC | Required if not inherited. | Defaults to value of Patient ID (0010,0020) in Patient Module |
| 4 | | | DATE | EV (121031,DCM, "Subject Birth Date") | 1 | U | | Defaults to value of Patient's Birth Date (0010,0030) in Patient Module |
| 5 | | | CODE | EV (121032,DCM, "Subject Sex") | 1 | U | | Defaults to value equivalent to Patient's Sex (0010,0040) in Patient Module<br>DCID (7455) Sex |
| 6 | | | NUM | EV (121033,DCM, "Subject Age") | 1 | U | | Defaults to value of Patient's Age (0010,1010) in Patient Study Module<br>Units DCID (7456) Units of Measure for Age |
| 7 | | | CODE | EV (121034,DCM, "Subject Species") | 1 | MC | Required if not inherited. | DCID (7454) Species to define various animals or plants, e.g. veterinary or research.<br>Defaults to (L-85B00, SNM3,"homo sapiens"). |



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|---|---|---|---|---|---|---|---|---|
| 8 | | | CODE | EV (121035,DCM, “Subject Breed”) | 1 | U | | Defaults to value of Patient Breed Code Sequence (0010,2293) in General Patient Module<br>DCID (7480) |

**TID 1008 Subject Context, Fetus**

Identifies (and optionally describes) a fetus who is the subject.

**TID 1008**
**SUBJECT CONTEXT, FETUS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | PNAME | EV (121036,DCM, "Mother of fetus”) | 1 | U | | Defaults to an observation subject that is a patient prior to replacing the Observation Subject Class with Fetus. |
| 2 | | | UIDREF | EV (121028,DCM, "Subject UID”) | 1 | U | | For longitudinal tracking of individual fetuses |
| 3 | | | TEXT | EV (121030,DCM, "Subject ID”) | 1 | MC | IF row 4 is absent | For longitudinal tracking of individual fetuses (human readable value e.g. “A” or “1”) |
| 4 | | | TEXT | EV (11951-1,LN, "Fetus ID”) | 1 | MC | IF row 3 is absent | For separation of multiple fetuses during this procedure e.g. fetus ‘1” of ‘2” … not for longitudinal comparisons.; ie. the “m” of fetus “m” of “n” |
| 5 | | | NUM | EV (11878-6,LN, "Number of Fetuses”) | 1 | U | | i.e. the “n” of fetus “m” of “n”<br><br>Units EV (1,UCUM,”no units”) |

**TID 1009 Subject Context, Specimen**

Identifies (and optionally describes) a specimen that is the subject.

**TID 1009**
**SUBJECT CONTEXT, SPECIMEN**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | UIDREF | EV (121039,DCM, "Specimen UID”) | 1 | U | | |
| 2 | | | TEXT | EV (121040,DCM, "Specimen Accession Number”) | 1 | U | | Defaults to value of Specimen Accession Number (0040,050A ) in Specimen Identification Module |
| 3 | | | INCLUDE | DTID (1007) "patient subject context" | 1 | UC | IFF the source of the specimen is a human or animal patient | |
| 4 | | | TEXT | EV (121041,DCM, "Specimen Identifier”) | 1 | U | | Defaults to value of Specimen Identifier (0040,0551) if a single item of Specimen Sequence (0040,0550) is present in Specimen Identification Module |
| 5 | | | CODE | EV (121042,DCM, "Specimen Type”) | 1 | U | | Defaults to value of Specimen Type Code Sequence (0040,059A) if a single item of Specimen Sequence (0040,0550) is |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | present in Specimen Identification Module |
| 6 | | | TEXT | EV (121043,DCM, "Slide Identifier") | 1 | U | | Defaults to value of Slide Identifier (0040,06FA ) if a single item of Specimen Sequence (0040,0550) is present in Specimen Identification Module |
| 7 | | | UIDREF | EV (121044,DCM, "Slide UID") | 1 | U | | |

**TID 1200 Language Designation**

Defines a mechanism for specifying a language, optionally with designation of the country in which that language applies.

Notes: 1. For example, the French language could be specified unmodified, or French as written in France or Canada could be distinguished.

2. The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

**TID 1200**
**LANGUAGE DESIGNATION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (121045,DCM,"Language") | 1 | M | | DCID(5000) |
| 2 | > | HAS CONCEPT MOD | CODE | (121046,DCM,"Country of Language") | 1 | U | | DCID(5001) |

**TID 1201 Language of Value**

Defines a mechanism for specifying the language in which the value of the parent content item (only) is written. Does not specify the language of the Concept Name of the parent content item, nor of any other descendants of the parent content item.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

**TID 1201**
**LANGUAGE OF VALUE**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | CODE | (121047,DCM,"Language of Value") | 1 | M | | DCID(5000) |
| 2 | > | HAS CONCEPT MOD | CODE | (121046,DCM,"Country of Language") | 1 | U | | DCID(5001) |



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### TID 1202 Language of Name and Value

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent content item (only) is written. Does not specify the language of any other descendants of the parent content item.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

**TID 1202**
**LANGUAGE OF NAME AND VALUE**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | CODE | (121048,DCM,"Language of Name and Value") | 1 | M | | DCID(5000) |
| 2 | > | HAS CONCEPT MOD | CODE | (121046,DCM,"Country of Language") | 1 | U | | DCID(5001) |

### TID 1204 Language of Content Item and Descendants

Defines a mechanism for specifying the language in which the value and the Concept Name of the parent content item and any other descendants of the parent content item is written.

Note: The language codes specified in CID 5000 optionally allow the encoding of the country of language in the code value for the language. Encoding of the country of language in a separate subsidiary Concept Modifier content item is allowed for backward compatibility with previous editions of the Standard.

**TID 1204**
**LANGUAGE OF CONTENT ITEM AND DESCENDANTS**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | CODE | (121049,DCM,"Language of Content Item and Descendants") | 1 | M | | DCID(5000) |
| 2 | > | HAS CONCEPT MOD | CODE | (121046,DCM,"Country of Language") | 1 | U | | DCID(5001) |

### TID 1210 Equivalent Meaning(s) of Concept Name

Defines a mechanism for specifying one or more equivalent meanings for the Concept Name of the parent content item.

**TID 1210**
**EQUIVALENT MEANING(S) OF CONCEPT NAME**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT | TEXT | (121050,DCM,"Equivalent Meaning of Concept Name") | 1-n | MC | XOR Row 3 | Plain text equivalent of code meaning of the concept name |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | MOD | | | | | | of the content item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set |
| 2 | > | | INCLUDE | DTID(1201) Language of Value | 1 | U | | |
| 3 | | HAS CONCEPT MOD | CODE | (121050,DCM,"Equivalent Meaning of Concept Name") | 1-n | MC | XOR Row 1 | |
| 4 | > | | INCLUDE | DTID(1201) Language of Value | 1 | U | | |

**TID 1211 Equivalent Meaning(s) of Value**

Defines a mechanism for specifying one or more equivalent meanings for the Value of the parent content item.

**TID 1211**
**EQUIVALENT MEANING(S) OF VALUE**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | TEXT | (121051,DCM,"Equivalent Meaning of Value") | 1-n | MC | XOR Row 3 | Plain text equivalent of code meaning of the value of the content item being modified, in the specified language from the specified country, using the default character set or a character set selected from Specified Character Set |
| 2 | > | | INCLUDE | DTID(1201) Language of Value | 1 | U | | |
| 3 | | HAS CONCEPT MOD | CODE | (121051,DCM,"Equivalent Meaning of Value") | 1-n | MC | XOR Row 1 | |
| 4 | > | | INCLUDE | DTID(1201) Language of Value | 1 | U | | |

Notes. 1. For example, to describe a longer, more meaningful equivalent (in the same language) for a procedure code than is defined in a coding scheme:

CODE:(121023,DCM,"Procedure Code")=
(50291CC,ICD10PCS,"IMAGING:CNS:CT:SELLA:LOWOSMOLAR:IT,U,E:2PLANE3D")

> *Has Concept Mod* TEXT:(121051,DCM,"Equivalent meaning of value")="imaging study central nervous system of the sella turcica/pituitary gland with low osmolar contrast intrathecal, unenhanced and enhanced, in two planes with 3D reconstructions"

2. For example, to specify a concept name and value in both French and English in Canada:

CODE:(T-D0005,SNM3,"Anatomical structure")=(T-04000,SNM3,"Breast")

> *Has Concept Mod* CODE:(121048,DCM,"Language of name and value")=(en-CA,RFC3066,"English, Canada")



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> *Has Concept Mod* CODE: (121050,DCM,“Equivalent meaning of concept name”)=(T-D0005,SNM3,“Structure de l’anatomie”)

>> *Has Concept Mod* CODE: (121047,DCM,“Langue de la valeur”)=(fr-CA,RFC3066,”Français, Canadie”)

> *Has Concept Mod* CODE: (121051,DCM,“Equivalent meaning of value”)=(T-04000,SNM3,”Sein”)

>> *Has Concept Mod* CODE: (121047,DCM,“Langue de la valeur”)=(fr-CA,RFC3066,”Français, Canadie”)



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### TID 1350 Negation Modifier, Presence of Finding

Concept Name Modifier for negation of the presence of a finding represented by a post-coordinated concept.

Notes. 1. For example, negation modifier applied to "sclera" in the post-coordinated structure:

CODE: anatomic location = "bile duct"

> HAS PROPERTY -- CODE: morphology = "distention"

>> HAS CONCEPT MOD -- CODE – “presence of property” = "absent"

means: “bile duct distention not present”

2. The presence-negation modifier modifies the entire post-coordinated concept, not just the source content item of the HAS CONCEPT MOD relationship. The entire branch of the tree from the content item is included in the post-coordinated structure that is negated.

**TID 1350**
**NEGATION MODIFIER, PRESENCE OF FINDING**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | CODE | EV(121052,DCM,”Presence of property”) | 1 | M | | DCID (240) Present-Absent |



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**TID 1400 Linear Measurement Template**

**TID 1400**
**LINEAR MEASUREMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | DCID (7470) "Linear Measurements" | 1 | M | | UNITS = DCID(7460) "Units of Linear Measurement" |
| 2 | > | INFERRED FROM | SCOORD | EV (121055,DCM, "Path") | 1 | UC | XOR Row 5 | GRAPHIC TYPE = {POLYLINE, CIRCLE, ELLIPSE} |
| 3 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 4 | |
| 4 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 3 | |
| 5 | > | INFERRED FROM | SCOORD | EV (121230, DCM, "Path Vertex") | 2-n | UC | XOR Row 2 | GRAPHIC TYPE = {POINT} |
| 6 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 7 | |
| 7 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 6 | |

**Content Item Descriptions**

Row 2 "Path" Path shall represent the measured path or a projection of the measured path in the image. The Graphic Type (0070,0023) of the Path SCOORD shall be:

- an open POLYLINE with two different points (to measure length, diameter, distance, proximity, etc),
- a CIRCLE or ELLIPSE (to measure circumference) or
- an open or closed POLYLINE (closed polygon) to measure path length (open) or perimeter (closed).

Row 5 "Path Vertex" A measured path that traverses two or more images (e.g., the ends of the path are in different cross-sectional plane images) shall be identified by vertices along the path. The Path Vertices shall be ordered by the order of their SCOORD Content Items to identify the measured path. The Graphic Type (0070,0023) of each SCOORD shall be POINT

**TID 1401 Area Measurement Template**

**TID 1401**
**AREA MEASUREMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | DCID(7471) "Area Measurements" | 1 | M | | Value shall be > 0<br>UNITS = DCID(7461) "Units of |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Area Measurement" |
| 2 | > | INFERRED FROM | SCOORD | EV (121056,DCM, "Area Outline") | 1 | MC | Shall be present if concept name of Row 1 is (G-A16A,SRT, "Area of defined region"). May be present otherwise. | GRAPHIC TYPE = not {MULTIPOINT} |
| 3 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 4 | |
| 4 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 3 | |

**Content Item Descriptions**

Row 2 "Area Outline" A Graphic Type of POINT implies that the object is a single pixel and the object's area is the area of the pixel. Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.

**TID 1402 Volume Measurement Template**

**TID 1402**
**VOLUME MEASUREMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | DCID(7472) "Volume Measurements" | 1 | M | | Value shall be > 0<br>UNITS = DCID(7462) "Units of Volume Measurement" |
| 2 | > | INFERRED FROM | SCOORD | EV (121057,DCM, "Perimeter Outline") | 1-n | U | | GRAPHIC TYPE = not {MULTIPOINT} |
| 3 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 4 | |
| 4 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 3 | |

**Content Item Descriptions**

Row 2 "Perimeter Outline" The two dimensional perimeter of the volume's intersection with or projection into the image. A Graphic Type of POINT implies that the volume's intersection or projection in a plane is a single pixel. A single pixel projection perimeter cannot cause a volume calculation to become 0.

Otherwise the type shall be a closed POLYLINE (start and end point the same) or a CIRCLE or an ELLIPSE.



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**TID 1404 Numeric Measurement Template**

**TID 1404**
**NUMERIC MEASUREMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | No baseline CID | 1 | M | | Units = DCID (82) Units of Measurement |
| 2 | > | INFERRED FROM | SCOORD | No baseline CID | 1-n | UC | XOR Row 5, 6 | |
| 3 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 4 | |
| 4 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 3 | |
| 5 | > | R-INFERRED FROM | IMAGE | BCID (7003) Diagnostic Imaging Report Purposes of Reference | 1-n | UC | XOR Row 2,6 | |
| 6 | > | INFERRED FROM | IMAGE | BCID (7003) Diagnostic Imaging Report Purposes of Reference | 1-n | UC | XOR Row 2,5 | |

**Content Item Descriptions**

Row 2 The SCOORD may indicate the points or area where the measurement was taken (e.g., a POINT showing the pixel location of a density measurement, or an open POLYLINE of three points showing the calculation of an angle).

Rows 3,5 Valid only in IODs that permit relationships by-reference.



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**TID 2000 Basic Diagnostic Imaging Report**

Basic report template for general diagnostic imaging interpretation reports.

Can only be instantiated at the root node and cannot be included in other templates.

**TID 2000**
**BASIC DIAGNOSTIC IMAGING REPORT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | BCID(7000) Diagnostic Imaging Report Document Titles | 1 | M | | Root node |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058,DCM,"Procedure reported") | 1-n | U | | |
| 3 | > | HAS CONCEPT MOD | INCLUDE | DTID(1204) Language of Content Item and Descendants | 1 | M | | |
| 4 | > | HAS CONCEPT MOD | INCLUDE | DTID (1210) Equivalent Meaning of Concept Name | 1-n | U | | |
| 5 | > | HAS OBS CONTEXT | INCLUDE | DTID(1001) Observation Context | 1 | M | | |
| 6 | > | CONTAINS | CONTAINER | BCID(7001) Diagnostic Imaging Report Headings | 1-n | U | | |
| 7 | >> | HAS OBS CONTEXT | INCLUDE | DTID(1001) Observation Context | 1 | U | | |
| 8 | >> | CONTAINS | CODE | BCID(7002) Diagnostic Imaging Report Elements | 1-n | U | | |
| 9 | >>> | INFERRED FROM | INCLUDE | DTID(2001)Basic Diagnostic Imaging Report Observations | 1-n | U | | |
| 10 | >> | CONTAINS | TEXT | BCID(7002) Diagnostic Imaging Report Elements | 1-n | U | | |
| 11 | >>> | INFERRED FROM | INCLUDE | DTID(2001)Basic Diagnostic Imaging Report Observations | 1-n | U | | |
| 12 | >> | CONTAINS | INCLUDE | DTID(2001)Basic Diagnostic Imaging Report Observations | 1-n | U | | |

No content items other than those defined in Observation Context TID 1001 may be the target of a HAS OBS CONTEXT relationship when TID 2000 is invoked.

**TID 2001 Basic Diagnostic Imaging Report Observations**

Individual numeric or image observations that may be useful for inclusion as individual findings or as the source of inferences in a report.

**TID 2001**
**BASIC DIAGNOSTIC IMAGING REPORT OBSERVATIONS**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | | | IMAGE | BCID(7003) Diagnostic Imaging Report Purposes of Reference | 1 | MC | XOR Rows 2,3,4,5. | |
| 2 | | | INCLUDE | TID(1400) Linear Measurements | 1 | MC | XOR Rows 1,3,4,5.<br><br>Shall not be present if the NUM value type is not supported by the IOD. | |
| 3 | | | INCLUDE | TID(1401) Area Measurements | 1 | MC | XOR Rows 1,2,4,5.<br><br>Shall not be present if the NUM value type is not supported by the IOD. | |
| 4 | | | INCLUDE | TID(1402) Volume Measurements | 1 | MC | XOR Rows 1,2,3,5.<br><br>Shall not be present if the NUM value type is not supported by the IOD. | |
| 5 | | | INCLUDE | TID (1404) Numeric Measurements | 1 | MC | XOR Rows 1,2,3,4.<br><br>Shall not be present if the NUM value type is not supported by the IOD. | |

**TID 2005 Transcribed Diagnostic Imaging Report**

Basic report template for general diagnostic imaging interpretation reports produced in a dictation/transcription workflow. SR documents encoded using this template are intended to be transformable to HL7 Clinical Document Architecture format (see PS3.17).

This template can be instantiated only at the root node, and cannot be included in other templates.

Observation Context shall be inherited from outside the SR Content tree, and shall not be changed within the Content tree. To satisfy the requirement that Observer Context is inherited, either or both the Author Observer Sequence (0040,A078) or the Verifying Observer Sequence (0040,A073) from the SR Document Module must be present in the SOP Instance.

Note: See Section on Observation Context Encoding in PS3.3

**TID 2005**
**TRANSCRIBED DIAGNOSTIC IMAGING REPORT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | BCID (7000) Diagnostic Imaging Report Document Titles | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121049, DCM, ”Language of Content Item and Descendants”) | 1 | M | | DCID (5000) Language |
| 3 | > | CONTAINS | CONTAINER | BCID (7001) Diagnostic Imaging Report Headings | 1-n | M | | |
| 4 | >> | CONTAINS | TEXT | BCID (7002) Diagnostic Imaging Report Elements | 1 | U | | |
| 5 | > | CONTAINS | CONTAINER | EV (121180, DCM, “Key Images”) | 1-n | U | | |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 6 | >> | CONTAINS | TEXT | EV (113012, DCM, ”Key Object Description”) | 1 | U | | |
| 7 | >> | CONTAINS | IMAGE | Purpose of Reference is not used | 1-n | M | | |

**Content Item Descriptions**

Row 3 CONTAINER Concept Name may be absent.

Row 7 IMAGE Concept Name shall be absent.

**TID 2010 Key Object Selection**

The Key Object Selection template is intended for flagging one or more significant images, waveforms, or other composite SOP Instances. Key Object Selection contains:

- coded document title stating the reason for significance of the referenced objects in the Key Object Selection,
- optional free form text comment in an explicitly identified language, and
- optional identification of the observer (device or person) which created the Key Object Selection.

Notes: 1. For instance, when this template is used to identify images rejected for quality reasons, the device or person performing the quality assessment is identified in observation context items (invoked through TID 1002). The reason for rejection can be included both as a code used as a concept modifier for the document title, and as text description.

2. The order of object references may be significant, e.g., when the title concept is "For Conference".

3. Instances referenced in a Key Object Selection Document may be securely referenced by Digital Signature or MAC mechanisms within the SR Document General Module (See PS 3.3).

The Template can only be instantiated at the root node and cannot be included in other templates. The Template is not extensible; that is, no other content items may be added to this template, or the templates that are included, recursively.

**TID 2010**
**KEY OBJECT SELECTION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DCID(7010) Key Object Selection Document Titles | 1 | M | | Root node |
| 2 | > | HAS CONCEPT MOD | CODE | EV (113011, DCM, "Document Title Modifier") | 1-n | U | | |
| 3 | > | HAS CONCEPT MOD | CODE | EV (113011, DCM, "Document Title Modifier") | 1 | UC | IF Row 1 Concept Name = (113001, DCM, "Rejected for Quality Reasons") or (113010, DCM," Quality Issue") | DCID (7011) |
| 4 | > | HAS CONCEPT MOD | CODE | EV (113011, DCM, "Document Title Modifier") | 1 | MC | IF Row 1 Concept Name = (113013, DCM, "Best In Set") | DCID (7012) |
| 5 | > | HAS CONCEPT MOD | INCLUDE | DTID(1204) Language of Content Item and Descendants | 1 | U | | |
| 6 | > | HAS OBS CONTEXT | INCLUDE | DTID(1002) Observer Context | 1-n | U | | |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | > | CONTAINS | TEXT | EV(113012, DCM, "Key Object Description") | 1 | U | | |
| 8 | > | CONTAINS | IMAGE | Purpose of Reference shall not be present | 1-n | MC | At least one of Rows 8, 9 and 10 shall be present | |
| 9 | > | CONTAINS | WAVEFORM | Purpose of Reference shall not be present | 1-n | MC | At least one of Rows 8, 9 and 10 shall be present | |
| 10 | > | CONTAINS | COMPOSITE | Purpose of Reference shall not be present | 1-n | MC | At least one of Rows 8, 9 and 10 shall be present | |



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## PROCEDURE LOG IOD TEMPLATES

### TID 3001 Procedure Log

The Procedure Log template is intended for the representation of reports or logs of time-stamped events occurring during an image-guided interventional or other procedure.

This Template does not require a particular ordering of the subsidiary Content Items.

Notes: 1. The Procedure Log IOD (PS3.3) requires ordering by Observation Datetime; thus log entries of different types (i.e., specified by different Rows in the Template) may appear in any order.
2. While this Template is extensible, the Procedure Log IOD forbids Container Content Items subsidiary to the top level Container.

**TID 3001**
**Procedure Log**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DCID (3400) Procedure Log Titles | 1 | M | | |
| 2 | > | | INCLUDE | DTID (1002) Observer Context | 1-n | M | | |
| 3 | > | | INCLUDE | DTID (3601) Procedure Context | 1 | M | | |
| 4 | > | HAS ACQ CONTEXT | TEXT | EV (121121, DCM, "Room identification") | 1 | U | | |
| 5 | > | HAS ACQ CONTEXT | TEXT | EV (121122, DCM, "Equipment identification") | 1-n | U | | |
| 6 | > | CONTAINS | TEXT | DCID (3401) Types of Log Notes | 1-n | U | | |
| 7 | >> | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 8 | > | CONTAINS | CODE | EV (121123, DCM, “Patient Status or Event”) | 1-n | U | | DCID (3402) Patient Status and Events |
| 9 | >> | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 10 | > | CONTAINS | PNAME | DCID (3404) Staff Actions | 1-n | | | |
| 11 | >> | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 12 | > | CONTAINS | TEXT | DCID (3427) Equipment Events | 1-n | U | | Equipment identifier |
| 13 | >> | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 14 | > | CONTAINS | INCLUDE | DTID (3100) Procedure Action | 1-n | U | | |
| 15 | > | CONTAINS | INCLUDE | DTID (3101) Image Acquisition | 1-n | U | | |
| 16 | > | CONTAINS | INCLUDE | DTID (3102) Waveform Acquisition | 1-n | U | | |
| 17 | > | CONTAINS | INCLUDE | DTID (3103) Referenced Object | 1-n | U | | |
| 18 | > | CONTAINS | INCLUDE | DTID (3104) Consumables | 1-n | U | | |
| 19 | > | CONTAINS | INCLUDE | DTID (3105) Lesion Identification and Properties | 1-n | U | | |
| 20 | > | CONTAINS | INCLUDE | DTID (3106) Drugs/Contrast Administered | 1-n | U | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 21 | > | CONTAINS | INCLUDE | DTID (3107) Device Used | 1-n | U | | |
| 22 | > | CONTAINS | INCLUDE | DTID (3108) Intervention | 1-n | U | | |
| 23 | > | CONTAINS | CODE | EV (DD-60002, SRT, “Complication of Procedure”) | 1-n | U | | DCID (3413) Adverse Outcomes |
| 24 | >> | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 25 | > | CONTAINS | INCLUDE | DTID (3109) Measurements | 1-n | U | | |
| 26 | > | CONTAINS | INCLUDE | DTID (3110) Impressions or Findings | 1-n | U | | |
| 27 | > | CONTAINS | INCLUDE | DTID (3111) Percutaneous Entry | 1-n | U | | |
| 28 | > | CONTAINS | INCLUDE | DTID (3112) Specimen Obtained | 1-n | U | | |
| 29 | > | CONTAINS | INCLUDE | DTID (3113) Patient Support | 1-n | U | | |
| 30 | > | CONTAINS | INCLUDE | DTID (3114) Patient assessment | 1-n | U | | |
| 31 | > | CONTAINS | INCLUDE | DTID (3115) ECG ST assessment | 1-n | U | | |

**Content Item Descriptions**

Row 2 includes TID 1002 Observer Context. TID 1002 shall be used to record the identity of the person responsible for recording the log, as well as all other participants in the procedure, even though these personnel may not technically be "observers" of the Procedure Log. As participants in the procedure, they are potential sources for events and observations recorded in the Log. TID 1002 allows the specification of the person’s role in the organization (e.g., physician, nurse), as well as the role in the procedure (e.g., circulating, performing, etc.).

Row 5 shall be used to record the identity of the major equipment used in the procedure.

Row 6 may be used to record any event not covered by a specific log entry template.

### TID 3010 Log Entry Qualifiers

The Log Entry Qualifiers Template provides a common means for adding additional description to a procedure log content item. It allows identification of a source for the procedure log entry (other than the recording observer for the log as a whole), a free text comment, a link to a particular Procedure Action item, a link to a particular lesion, or the date/time of recording (if different than the time of the event occurrence recorded in the Observation Datetime of the parent content item).

**TID 3010**
**Log Entry Qualifiers**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | INCLUDE | DTID (1000) Quotation | 1 | U | | |
| 2 | | HAS PROPERTIES | TEXT | EV (121106, DCM, “Comment”) | 1 | U | | |
| 3 | | HAS OBS CONTEXT | TEXT | EV (121124, DCM, "Procedure Action ID") | 1-n | U | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 4 | | HAS OBS CONTEXT | TEXT | EV (121151, DCM, "Lesion Identifier") | 1-n | U | | Up to 3 numeric characters |
| 5 | | HAS OBS CONTEXT | DATETIME | EV (121125, DCM, "DateTime of Recording of Log Entry") | 1 | U | | |
| 6 | | INFERRED FROM | IMAGE | | 1-n | U | | |
| 7 | | INFERRED FROM | WAVEFORM | | 1-n | U | | |
| 8 | | INFERRED FROM | COMPOSITE | | 1-n | U | | |
| 9 | | HAS OBS CONTEXT | CODE | EV (121135, DCM, ”Observation Datetime Qualifier”) | 1 | U | | DCID (3430) Datetime Qualifiers |

**Content Item Descriptions**

Row 3 Procedure Action ID allows linking recorded events to a particular action, step, or phase of a procedure. See description for TID 3100 Procedure Action.

Row 4 Lesion Identifier is specified as a numeric text string, and allows linking recorded events to the diagnosis or therapy of particular lesion. See description for TID 3105 Lesion Identifier.

### TID 3100 Procedure Action

The Procedure Action Template is intended for the recording of the beginning or end of procedure steps or action items in a procedure. The level of granularity of the recorded events is not specified, and may vary between institutions, or even be at multiple levels within a single procedure log. There is no requirement for the real-world procedure step or action item recorded with this template to end before another one begins; there may be overlapping or simultaneous procedure steps or action items.

This log entry template may be used to record the start or stop of timers.

Other recorded events in the procedure may be linked to a particular step or action item by Procedure Action ID (see TID 3010 Log Entry Qualifiers).

**TID 3100**
**Procedure Action**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (3421) Procedure Action | 1 | M | | BCID (3405) Procedure Action Values |
| 2 | > | HAS PROPERTIES | TEXT | EV (121124, DCM, "Procedure Action ID") | 1 | M | | |
| 3 | > | HAS PROPERTIES | PNAME | BCID (7453) Performing Roles | 1-n | U | | |
| 4 | > | HAS PROPERTIES | NUM | EV (121128, DCM, "Procedure Action Duration") | 1 | U | | |
| 5 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 6 | > | HAS | UIDREF | EV (121126, DCM, | 1 | MC | IFF DICOM Modality | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | PROPERTIES | | "Performed Procedure Step SOP Instance UID") | | | or General Purpose Performed Procedure Step SOP Class is used to provide status of the Procedure Step | |
| 7 | > | HAS PROPERTIES | UIDREF | EV (121127, DCM, "Performed Procedure Step SOP Class UID") | 1 | MC | IFF DICOM Modality or General Purpose Performed Procedure Step SOP Class is used to provide status of the Procedure Step | |

**Content Item Descriptions**

Row 2 - The value of the Procedure Action ID shall be uniquely associated with the step or action within the context of the Study, and may be used to associate various Procedure Log entries with the step or action.

Row 3 may be used to record the identity of staff roles for the purpose of this Procedure Action, which may differ from their roles in the procedure as a whole.

**TID 3101 Image Acquisition**

The Image Acquisition Template allows recording of the essential parameters of a digital image acquired during the procedure.

**TID 3101**
**Image Acquisition**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | IMAGE | EV (121138, DCM, “Image Acquired”) | 1 | M | | |
| 2 | > | HAS ACQ CONTEXT | UIDREF | EV (112002, DCM, "Series Instance UID") | 1 | M | | |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (121139, DCM, “Modality”) | 1 | M | | DCID (29) Modalities<br>Derived from referenced image SOP Instance attribute (0008,0060) |
| 4 | > | HAS PROPERTIES | NUM | EV (121140, DCM, “Number of Frames”) | 1 | U | | |
| 5 | > | HAS PROPERTIES | TEXT | EV (121141, DCM, “Image Type”) | 1 | U | | From referenced image SOP Instance attribute (0008,0008) |
| 6 | > | HAS ACQ CONTEXT | NUM | EV (112011, DCM, “Positioner Primary Angle”) | 1 | U | | UNITS = EV (deg, UCUM, “°”) |
| 7 | > | HAS ACQ CONTEXT | NUM | EV ( 112012, DCM, “Positioner Secondary Angle”) | 1 | U | | UNITS = EV (deg, UCUM, “°”) |
| 8 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |



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### TID 3102 Waveform Acquisition

The Waveform Acquisition Template allows recording of the essential parameters of a digital waveform acquired during the procedure.

**TID 3102**
**Waveform Acquisition**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | WAVEFORM | EV (121143, DCM, “Waveform Acquired”) | 1 | M | | |
| 2 | > | HAS ACQ CONTEXT | CODE | EV (121139, DCM, “Modality”) | 1 | M | | DCID (29) Modalities<br>Derived from referenced waveform SOP Instance attribute (0008,0060) |
| 3 | > | HAS ACQ CONTEXT | NUM | EV (121142, DCM, “Acquisition Duration”) | 1 | U | | |
| 4 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

### TID 3103 Referenced Object

The Referenced Object Template allows reference to measurement or report objects, such as prior medical reports, laboratory results, hemodynamic measurement reports, or quantitative analysis reports.

**TID 3103**
**Referenced Object**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | COMPOSITE | BCID (3407) Purpose of Reference to Object | 1 | M | | |
| 2 | > | HAS PROPERTIES | CODE | EV (121144, DCM, “Document Title") | 1 | MC | IFF Row 1 references an SR object | Root node concept of referenced SR object |
| 3 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |



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### TID 3104 Consumables

The Consumables Template allows recording of devices (e.g., catheters or stents), drugs, or contrast agents accessed in a procedure. This content item is directed towards inventory control and billing. The actual clinical use of the particular consumable is recorded using TID 3106 Drugs/Contrast Administered or TID 3107 Device Used.

This template allows recording both consumable retrieval from, and return to, inventory or stock, and disposal of used material. The quantity involved in each recorded transaction may be specified.

**TID 3104**
**Consumables**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (3408) Actions with Consumables | 1 | M | | Vendor or local bar coded values |
| 2 | > | HAS PROPERTIES | TEXT | DCID (3426) Consumables Parameters | 1-n | U | | |
| 3 | > | HAS PROPERTIES | NUM | EV (121146, DCM, "Quantity of Material") | 1 | U | | |
| 4 | > | HAS PROPERTIES | CODE | EV (121147, DCM, "Billing Code") | 1 | U | | local billing codes |
| 5 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

### TID 3105 Lesion Identification and Properties

The Lesion Identification and Properties Template allows recording the identification of each lesion addressed in a procedure. The lesion identifier may be used to relate diagnostic or therapeutic actions with their target lesion (see Row 4 in TID 3010 Log Entry Qualifiers). This content item may include the initial visually estimated measurements of stenosis or TIMI flow; measured values from a quantitative measurement report may be referenced indirectly (through TID 3103 Referenced Object), or by quotation (TID 3109 Measurements template). Subsequent (e.g., post-intervention) stenosis measurements may be encoded using TID 3109 Measurements, with the Lesion Identifier conveyed through its subsidiary TID 3010 Log Entry Qualifiers template.

**TID 3105**
**Lesion Identification and Properties**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | EV (121151, DCM, “Lesion Identifier") | 1 | M | | Up to 3 numeric characters |
| 2 | > | HAS PROPERTIES | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3604) Arterial lesion locations |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier") | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 4 | > | HAS PROPERTIES | CODE | EV (121153, DCM, “Lesion Risk") | 1 | U | | DCID (3418) Lesion Risk |
| 5 | > | HAS PROPERTIES | NUM | (R-101BB, SRT, “Lumen Diameter Stenosis”) | 1 | U | | UNITS = EV (%, UCUM, "%") |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (G-72BB, SRT, “Catheterization Procedure Phase”) | 1 | M | | EV (G-7293, SRT, “Baseline Phase”) |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 7 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | U | | DCID (3745) Calculation Method |
| 8 | > | HAS PROPERTIES | CODE | EV (122109, DCM, "Baseline TIMI Flow") | 1 | UC | IFF Row 2 specifies a coronary artery | DCID (3713) TIMI Flow Characteristics |
| 9 | > | HAS PROPERTIES | CODE | EV (122131, DCM, "Degree of Thrombus") | 1 | U | | DCID (3714) Thrombus |
| 10 | > | HAS PROPERTIES | CODE | EV (F-01740, SRT, “Lesion Margin Characteristics”) | 1 | U | | DCID (3715) Lesion Margin |
| 11 | > | HAS PROPERTIES | CODE | EV (122134, DCM, "Vessel Morphology") | 1-n | U | | DCID (3712) Vessel Descriptors |
| 12 | > | HAS PROPERTIES | CODE | EV (122132, DCM, "Severity of Calcification") | 1 | U | | DCID (3716) Severity |
| 13 | > | HAS PROPERTIES | IMAGE | DT (121080, DCM, "Best illustration of finding" | 1 | U | | |
| 14 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

**Content Item Descriptions**

Row 1 Lesion Identifier is specified as a numeric text string in order to facilitate transcoding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™.

### TID 3106 Drugs/Contrast Administered

The Drugs/Contrast Administered Template allows the recording of the start or end of that type of event, together with its parameters. If start and end are represented by a single log entry (e.g., for an injection), the concept name “Drug/contrast administered” shall be used.

**TID 3106**
**Drugs/Contrast Administered**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (3409) Administration of Drugs/Contrast | 1 | M | | BCID (10) Interventional Drug, or BCID (12) Radiographic Contrast Agent |
| 2 | > | HAS PROPERTIES | TEXT | EV (121145, DCM, "Description of Material") | 1 | U | | |
| 3 | > | HAS PROPERTIES | CODE | EV (G-C340, SRT, "Route of administration") | 1 | U | | BCID (11) Route of Administration |
| 4 | > | HAS PROPERTIES | NUM | DCID (3410) Numeric Parameters of Drugs/Contrast | 1-n | U | | |
| 5 | > | HAS PROPERTIES | PNAME | EV (121152, DCM, “Person administering drug/contrast”) | 1 | U | | |
| 6 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |



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### TID 3107 Device Used

The Device Used Template allows recording of the use of interventional diagnostic and therapeutic devices.

The identification of one device used to deploy another device (e.g., a balloon catheter to deploy a stent) may be described with two entries, with one identified as a deployment device in the Concept Modifier of Row 6 of this template, and linked by the same Procedure Action ID in the Log Entry Qualifiers of the included TID 3010.

**TID 3107**
**Device Used**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (3422) Device Use Actions | 1 | M | | BCID (3429) Catheterization Devices |
| 2 | > | HAS PROPERTIES | CODE | EV (121150, DCM, "Device Code") | 1-n | U | | Vendor or local bar coded values |
| 3 | > | HAS PROPERTIES | TEXT | EV (121145, DCM, "Description of Material") | 1 | U | | |
| 4 | > | HAS PROPERTIES | NUM | DCID (3423) Numeric Device Characteristics | 1-n | U | | |
| 5 | > | HAS PROPERTIES | CODE | EV (G-C0E9, SRT, “Procedure site”) | 1 | U | | BCID (3630) Cardiovascular Anatomic Locations |
| 6 | > | HAS CONCEPT MOD | CODE | EV (G-C0E8, SRT, “Has Intent") | 1 | U | | DT (121155, DCM, “Deployment") |
| 7 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

### TID 3108 Intervention

The Intervention Template allows recording of interventions, including atherectomy, angioplasty, stent placement, brachytherapy, etc. The record may include reference to an image that documents the intervention.

**TID 3108**
**Intervention**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (122090, DCM, "Intervention Action") | 1 | M | | DCID (3412) Intervention Actions and Status |
| 2 | > | HAS PROPERTIES | CODE | EV (G-C0E9, SRT, “Procedure site”) | 1 | M | | DCID (3604) Arterial Lesion Locations |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier") | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 4 | > | HAS PROPERTIES | TEXT | EV (121154, DCM, "Intervention attempt identifier") | 1 | M | | Up to 3 numeric characters |
| 5 | > | HAS | CODE | EV (G-C50A, SRT, "Uses | 1-n | U | | BCID (3411) |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | PROPERTIES | | Equipment") | | | | Intracoronary Devices |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (122111, DCM, "Primary Intervention Device") | 1 | MC | IF Device is Primary for this Lesion | DCID (230) Yes-No |
| 7 | > | HAS PROPERTIES | NUM | DCID (3425) Intervention Parameters | 1-n | U | | |
| 8 | > | HAS PROPERTIES | IMAGE | BCID (7003) Diagnostic Imaging Report Purposes of Reference | 1 | U | | |
| 9 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

**Content Item Descriptions**

Row 4 Intervention attempt Identifier is specified as a numeric text string, and shall be treated as the ordinal of the recorded attempted intervention within this procedure (i.e., “1” for the first attempted intervention, “2” for the second, etc.).

### TID 3109 Measurements

The Measurements Template allows recording of significant measurements, such as vital signs, laboratory results, hemodynamic measurements, or quantitative analysis measurements. These measurements are often quoted from another source, which would be documented in the included TID 3010 Log Entry Qualifiers.

**TID 3109**
**Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | NUM | No BCID | 1 | U | | |
| 2 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 3 | > | HAS PROPERTIES | INCLUDE | DTID (310) Measurement Properties | 1 | U | | |
| 4 | | | CODE | No BCID | 1 | U | | |
| 5 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

### TID 3110 Impressions or Findings

The Impressions or Findings Template allows the recording of unconfirmed (provisional) impressions or findings noted during the procedure. It is not intended to convey the Cath Lab Clinical Report (the formal report from the performing physician), although it may be used (like any Procedure Log entry) for the subsequent construction of the Cath Lab Clinical Report.

A finding that is supported by a specific image frame may reference that image in the INFERRED FROM / IMAGE row of the included TID 3010 Log Entry Qualifiers template.



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**TID 3110**
**Impressions or Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121071, DCM, "Finding") | 1 | U | | BCID (3728) Cath Findings |
| 2 | > | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 4 | > | HAS PROPERTIES | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | U | | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier") | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 6 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 7 | | | TEXT | BCID (3419) Findings Titles | 1 | U | | |
| 8 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

**Content Item Descriptions**

Row 4 Finding Site has no Baseline Context ID specified. Typically terms would be drawn from coronary segments, other arterial segments, myocardial segments, etc.

### TID 3111 Percutaneous Entry

The Percutaneous Entry Template allows recording of the opening or closing of invasive access ports.

**TID 3111**
**Percutaneous Entry**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121156, DCM, “Percutaneous Entry Action”) | 1 | M | | DCID (3403) Percutaneous Entry |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality") | 1 | U | | DCID (244) Laterality |
| 3 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |

### TID 3112 Specimen Obtained

The Specimen Obtained Template allows recording of obtaining a specimen, and the identifiers for that specimen. This is particularly designed for blood samples that will be analyzed for blood oxygen-related measurements. The analysis of the sample may be recorded in one or more log entries using TID 3109 Measurements Template, or in a separate Structured Report SOP Instance referenced by a log entry using TID 3103 Referenced Object Template.



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**TID 3112**
**Specimen Obtained**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121123, DCM, “Patient Status or Event”) | 1 | M | | DCID (3515) Specimen Collection |
| 2 | > | HAS ACQ CONTEXT | CODE | EV (121042, DCM, "Specimen Type”) | 1 | UC | IFF specimen is blood sample | DCID (3520) Blood Source Type |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (G-C0E9, SRT, “Procedure site”) | 1 | U | | BCID (3630) Cardiovascular Anatomic locations |
| 4 | > | HAS PROPERTIES | INCLUDE | DTID (1009) Subject Context, Specimen | 1 | U | | |

**TID 3113 Patient Support**

The Patient Support Template allows recording of the use of various support technologies, including oxygen, ventilation, pacing, etc.

**TID 3113**
**Patient Support**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | DCID (3530) Oxygen Administration Actions | 1 | U | | DCID (3531) Oxygen Administration |
| 2 | > | HAS PROPERTIES | NUM | EV (121160, DCM, “Oxygen Administration Rate") | 1 | MC | IFF Row 1 Concept is (121161, DCM, "Begin Oxygen Administration") | Units = DT (l/min, UCUM, "l/min") |
| 3 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 4 | | | CODE | DCID (3550) Circulatory Support Actions | 1 | U | | DCID (3553) Circulatory Support |
| 5 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 6 | | | CODE | DCID (3551) Ventilation Actions | 1 | U | | DCID (3554) Ventilation |
| 7 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |
| 8 | | | CODE | DCID (3552) Pacing Actions | 1 | U | | DCID (3555) Pacing |
| 9 | > | | INCLUDE | DTID (3010) Log Entry Qualifiers | 1 | U | | |



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### TID 3114 Patient Assessment

The Patient Assessment Template allows recording of the assessment of the patient's cardiovascular, neurological, and/or respiratory condition. A particular use of this template is for "vital signs", which are a specific subset of mandatory patient assessment measurements.

**TID 3114**
**Patient Assessment**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121123, DCM, "Patient Status or Event") | 1 | M | | DT (121165, DCM, "Patient Assessment Performed") or DT (PA-00500, SRT, "Observation of Vital Signs") |
| 2 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (F-008EC, SRT, "Systolic blood pressure")<br>$Units = DCID (3500)<br>$Method = BCID (3560) Blood Pressure Methods |
| 3 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (F-008ED, SRT, "Diastolic blood pressure")<br>$Units = DCID (3500) |
| 4 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (8867-4, LN, "Heart rate")<br>$Units = EV ("{H.B.}/min", UCUM, "BPM") |
| 5 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (8310-5, LN, "Body temperature")<br>$Units = EV (Cel, UCUM, "°C") |
| 6 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = DCID (3526) Blood gas saturation<br>$Units = EV (%, UCUM, "%") |
| 7 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (F-043E7, SRT, "Respiration rate")<br>$Units = EV (/min, UCUM, "breaths/min") |
| 8 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1-n | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (122195, DCM, "Pulse Strength")<br>$Method = BCID (3442) Peripheral Pulse Methods<br>$TargetSite = BCID (3440) Peripheral Pulse Locations<br>$Units = DT ("{0:4}", UCUM, "range 0:4") |
| 9 | > | HAS PROPERTIES | INCLUDE | TID (300) Measurement | 1 | MC | IF Row 1 value = (PA-00500, SRT, "Observation of Vital Signs") | $Measurement = EV (F-009EA, SRT, "Pain Score")<br>$Units = DT ("{1:10}", UCUM, "range 1:10") |
| 10 | > | HAS PROPERTIES | CODE | DT (8884-9, LN, "Cardiac Rhythm") | 1 | U | | BCID (3415) Cardiac Rhythms |
| 11 | > | HAS PROPERTIES | CODE | DT (9304-7, LN, "Respiration Rhythm") | 1 | U | | BCID (3416) Respiration Rhythms |
| 12 | > | HAS PROPERTIES | CODE | DT ( F-043E6, SRT, "Respiration Assessment") | 1 | U | | BCID (3448) Airway Assessment |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 13 | > | HAS PROPERTIES | CODE | DT (F-046D8, SRT, “Skin condition") | 1-n | U | | BCID (3446) Skin Condition |
| 14 | > | HAS PROPERTIES | CODE | DT (F-04317, “Patient mental state assessment”) | 1 | U | | No BCID |
| 15 | > | HAS PROPERTIES | TEXT | BCID (3441) Patient Assessments | 1-n | U | | |

**Content Item Descriptions**

Row 8 Pulse Strength allows the assessment of the patient’s pulse at multiple locations using the Topographical concept modifier. It may also be used for a single pulse strength measurement from an unspecified location, as is typical of vital signs assessments.

Row 16 allows free text description of patient assessments that are not expressible by coded entries of Rows 10 to 14.

### TID 3115 ECG ST Assessment

The ECG ST Assessment Template allows recording of the assessment of changes in the patient ECG relative to baseline.

**TID 3115**
**ECG ST Assessment**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121123, DCM, “Patient Status or Event”) | 1 | M | | DT (R-41D8B, SRT, “ECG Analysis”) |
| 2 | > | HAS PROPERTIES | NUM | DT (122099, DCM, “ST change from baseline”) | 1-n | M | | Units = EV(uV, UCUM, “uV”) |
| 3 | >> | HAS CONCEPT MOD | CODE | DT (122148, DCM, "Lead ID") | 1 | M | | BCID (3001) ECG Leads |



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## QUANTITATIVE VENTRICULAR ANALYSIS REPORT SR IOD TEMPLATES

The templates that comprise the Quantitative Ventricular Analysis SR are interconnected as in Figure A-3:

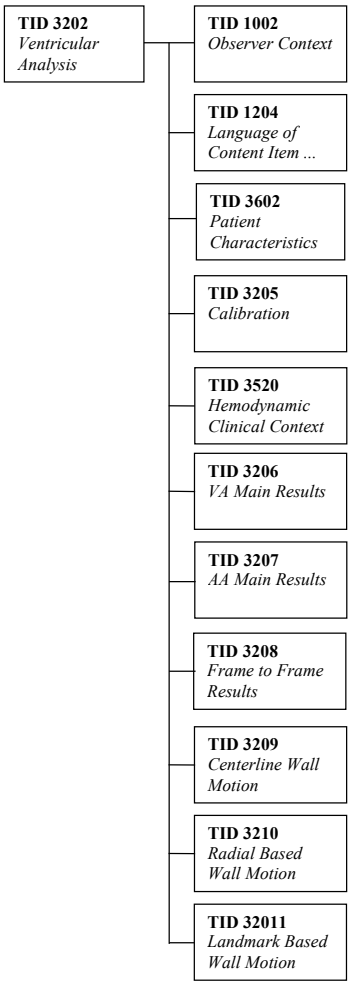


**Figure A-3: Quantitative Ventricular Analysis Report SR IOD Template Structure**

### TID 3202 Ventricular Analysis Template

The Ventricular Analysis Template provides a CONTAINER with a structure for reporting the result of the ventricular analysis.

**TID 3202**
**VENTRICULAR ANALYSIS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122292, DCM, "Quantitative Ventriculography Report") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language Of Content Item And Descendants | 1 | M | | |
| 3 | > | HAS OBS | INCLUDE | DTID (1002) Observer | 1-n | M | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | CONTEXT | | Context | | | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | 1 | U | | |
| 5 | > | CONTAINS | CONTAINER | EV (122144, DCM, “Quantitative Analysis”) | 1-n | M | | |
| 6 | >> | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | U | | |
| 7 | >> | HAS OBS CONTEXT | TEXT | EV (111001, DCM, “Algorithm Name”) | 1 | M | | |
| 8 | >> | HAS OBS CONTEXT | TEXT | EV (111003, DCM, “Algorithm Version”) | 1 | M | | |
| 9 | >> | HAS OBS CONTEXT | TEXT | EV (122405, DCM, “Algorithm Manufacturer”) | 1 | M | | |
| 10 | >> | CONTAINS | IMAGE | EV (121112, DCM, “Source of Measurements”) | 1-n | M | | |
| 11 | >>> | HAS CONCEPT MOD | CODE | EV (G-A60B), SRT, “Cardiac Phase” | 1 | M | | DCID (12233) Cardiac Phase |
| 12 | >>> | HAS CONCEPT MOD | CODE | EV (111031, DCM, “Image View”) | 1 | MC | If Biplane Analysis | DCID (3466) Plane Identification |
| 13 | >> | HAS ACQ CONTEXT | INCLUDE | DTID (3205) Calibration | 1-2 | U | VM = 1: Single plane analysis, VM = 2: Biplane analysis | $CalibrationPlane = DCID (3466) Plane Identification |
| 14 | >> | HAS ACQ CONTEXT | INCLUDE | DTID (3520) Hemodynamic Clinical Context | 1 | U | | |
| 15 | >> | CONTAINS | INCLUDE | DTID (3206) VA Main Results | 1 | M | | |
| 16 | >> | CONTAINS | INCLUDE | DTID (3207) AA Main Results | 1 | U | | |
| 17 | >> | CONTAINS | INCLUDE | DTID (3208) Frame to Frame Results | 1 | U | | |
| 18 | >> | CONTAINS | INCLUDE | DTID (3209) Centerline Wall Motion | 1-2 | U | VM = 1: Single plane analysis, VM = 2: Biplane analysis | |
| 19 | >> | CONTAINS | INCLUDE | DTID (3210) Radial Based Wall Motion | 1-2 | U | VM = 1: Single plane analysis, VM = 2: Biplane analysis | |
| 20 | >> | CONTAINS | INCLUDE | DTID (3211) Landmark Based Wall Motion | 1-2 | U | VM = 1: Single plane analysis, VM = 2: Biplane analysis | |

### Content Item Descriptions

| | |
|---|---|
| Row 7 | Identifies the Ventricular Analysis program |
| Row 8 | Identifies the Ventricular Analysis program version |
| Row 9 | Identifies the Ventricular Analysis program manufacturer |
| Row 10 | Identifies the ES and ED images on which the analysis is based, for frame by frame analysis the analyzed image are specified in the frame by frame results (3208) template |

### TID 3205 Calibration Template

The Calibration Template consists of a CONTAINER, with a structure for reporting of the calibration of images used in the analysis.

| Parameter Name | Parameter Usage |
|---|---|
| $CalibrationPlane | XA Imaging plane |

**TID 3205**
**CALIBRATION**
**Type: Extensible**



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122505, DCM, “Calibration”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111031, DCM, “Image View”) | 1 | U | | $CalibrationPlane |
| 3 | > | HAS OBS CONTEXT | TEXT | EV (111001, DCM, “Algorithm Name”) | 1 | MC | If different from Analysis program specified in the invoking template | |
| 4 | > | HAS OBS CONTEXT | TEXT | EV (111003, DCM, “Algorithm Version”) | 1 | MC | If different from Analysis program specified in the invoking template | |
| 5 | > | HAS OBS CONTEXT | TEXT | EV (122405, DCM, “Algorithm Manufacturer”) | 1 | MC | If different from Analysis program specified in the invoking template | |
| 6 | > | CONTAINS | CODE | EV (122422, DCM, “Calibration Method”) | 1 | M | | DCID (3452) Calibration Methods |
| 7 | > | CONTAINS | CODE | EV (122421, DCM, “Calibration Object”) | 1 | MC | If row 6 value specifies Calibration Object Used | DCID (3451) Calibration Object |
| 8 | > | CONTAINS | NUM | EV (122423, DCM, “Calibration Object Size”) | 1 | MC | If row 6 value specifies Calibration Object Used | DCID (3510) Catheter Size Units |
| 9 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (111026, DCM, “Horizontal Pixel Spacing”)<br>$Unit = DT (mm/{pixel}, UCUM, “mm/pixel”)<br>$ImagePurpose = EV (121112, DCM, “Source of Measurement”) |
| 10 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (111066, DCM, “Vertical Pixel Spacing”)<br>$Unit = DT (mm/{pixel}, UCUM, “mm/pixel”)<br>$ImagePurpose = EV (121112, DCM, “Source of Measurements”) |
| 11 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 3 | Identifies the Calibration program |
| Row 4 | Identifies the Calibration program version |
| Row 5 | Identifies the Calibration program manufacturer |
| Row 7 | Besides a Sphere and a Catheter, a Distance can be identified as a Calibration Object.<br>In this case a distance measurement of a known dimension of the object is used to calculate the pixel size. |
| Row 8 | The catheter size units is also used to specify the size of other calibration objects (e.g. sphere) |
| Row 9,10 | Spacing in the patient body. Point to a single frame containing the image used for calibration if applicable, the actual measurements may be indicated by a SCOORD (see TID 320, row 3) |
| Row 11 | Secondary Capture image with calibration position |

### TID 3206 VA Main Results Template

The VA Main Results Template consists of a CONTAINER with a structure for reporting the main ventricular analysis measurements.

**TID 3206**
**VA MAIN RESULTS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3462) Chamber Identification |
| 3 | > | CONTAINS | CODE | EV (122429, DCM, “Volume Method”) | 1 | M | | DCID (3453) Volume Methods |
| 4 | > | CONTAINS | NUM | EV (122435, DCM, “Regression Volume Exponent”) | 1 | U | | Unit = DT (1, UCUM, “no units”) |
| 5 | > | CONTAINS | NUM | EV (122431, DCM, “Regression Slope ED”) | 1 | U | | Unit = DT (1, UCUM, “ratio”) |
| 6 | > | CONTAINS | NUM | EV (122432, DCM, “Regression Offset ED”) | 1 | U | | Unit = DT (ml, UCUM, “ml”) |
| 7 | > | CONTAINS | NUM | EV (122433, DCM, “Regression Slope ES”) | 1 | U | | Unit = DT (1, UCUM, “ratio”) |
| 8 | > | CONTAINS | NUM | EV (122434, DCM, “Regression Offset ES”) | 1 | U | | Unit = DT (ml, UCUM, “ml”) |
| 9 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = DCID (3467) Ejection Fraction<br>$Unit = DT (%, UCUM, “%”) |
| 10 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3468) ED Volume<br>$Unit = DT (ml, UCUM, “ml”) |
| 11 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3469) ES Volume<br>$Unit = DT (ml, UCUM, “ml”) |
| 12 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, “Stroke Volume”)<br>$Unit = DT (ml, UCUM, “ml”) |
| 13 | > | CONTAINS | NUM | EV (8867-4, LN, “Heart Rate”) | 1 | U | | Unit = DT ({hb}/min, UCUM, “beats/min”) |
| 14 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3468) ED Volume<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DCID (3455) Index Methods<br>$Unit = DT (ml/m2, UCUM, “ml/m^ 2”) |
| 15 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3468) ED Volume<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (29463-7. LN, “Patient Weight”)<br>$Unit = DT (ml/kg, UCUM, “ml/kg”) |
| 16 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3469) ES Volume<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DCID (3455) Index Methods<br>$Unit = DT (ml/m2, UCUM, “ml/m^2”) |
| 17 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3469) ES Volume<br>$ModType = EV (121425, DCM, “Index”) |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $ModValue = EV (29463-7. LN, “Patient Weight”)<br>$Unit = DT (ml/kg, UCUM, “ml/kg”) |
| 18 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, “Stroke Volume”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DCID (3455) Index Methods<br>$Unit = DT (ml/m2, UCUM, “ml/m^2”) |
| 19 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, “Stroke Volume”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (29463-7. LN, “Patient Weight”)<br>$Unit = DT (ml/kg, UCUM, “ml/kg”) |
| 20 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (F-32100, SRT, “Cardiac Output”)<br>$Unit = DT (l/min, UCUM, “l/min”) |
| 21 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (F-32110, SRT, “Cardiac Index”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DCID (3455) Index Methods<br>$Unit = DT (l/min/m2, UCUM, “l/min/m^2”) |
| 22 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122445, DCM, “Wall Thickness”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 23 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122446, DCM, “Wall Volume”)<br>$Unit = DT (ml, UCUM, “ml”) |
| 24 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122447, DCM, “Wall Mass”)<br>$Unit = DT (g, UCUM, “gram”) |
| 25 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122447, DCM, “Wall Mass”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DCID (3455) Index Methods<br>$Unit = DT (g/m2, UCUM, “gram/m^2”) |
| 26 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122447, DCM, “Wall Mass”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (29463-7. LN, “Patient Weight”)<br>$Unit = DT (g/kg, UCUM, “gram/kg”) |
| 27 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122448, |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | DCM, “Wall Stress”)<br>$Unit = DT (dyn/cm2, UCUM, “dynes/cm^2”) |
| 28 | > | CONTAINS | IMAGE | No purpose of reference | 1-n | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 28 | Secondary Capture image with ED and/or ES contours |

### TID 3207 AA Main Results Template

The AA Main Results Template consists of a CONTAINER with a structure for reporting the main atrial analysis measurements.

**TID 3207**
**AA MAIN RESULTS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3462) Chamber Identification |
| 3 | > | CONTAINS | CODE | EV (122429, DCM, “Volume Method”) | 1 | M | | DCID (3453) Volume Methods |
| 4 | > | CONTAINS | NUM | EV (122435, DCM, “Regression Volume Exponent”) | 1 | U | | Unit = DT (1, UCUM, “no units”) |
| 5 | > | CONTAINS | NUM | EV (122431, DCM, “Regression Slope ED”) | 1 | U | | Unit = DT (1, UCUM, “ratio”) |
| 6 | > | CONTAINS | NUM | EV (122432, DCM, “Regression Offset ED”) | 1 | U | | Unit = DT (ml, UCUM, “ml”) |
| 7 | > | CONTAINS | NUM | EV (122433, DCM, “Regression Slope ES”) | 1 | U | | Unit = DT (1, UCUM, “ratio”) |
| 8 | > | CONTAINS | NUM | EV (122434, DCM, “Regression Offset ES”) | 1 | U | | Unit = DT (ml, UCUM, “ml”) |
| 9 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3468) ED Volume<br>$Unit = DT (ml, UCUM, “ml”) |
| 10 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = DCID (3469) ES Volume<br>$Unit = DT (ml, UCUM, “ml”) |
| 11 | > | CONTAINS | IMAGE | No purpose of reference | 1-n | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 11 | Secondary Capture image with ED and/or ES contours |

### TID 3208 Frame-to-Frame Results Template

The Frame-to-Frame Result Template consists of a CONTAINER providing measurements derived from the angiographic images on frame-by-frame basis.



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**TID 3208**
**FRAME-TO-FRAME RESULT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111004, DCM, “Analysis Performed”) | 1 | M | | EV (122499, DCM, “Frame to Frame Analysis”) |
| 3 | > | CONTAINS | IMAGE | EV (121112, DCM, “Source of Measurements”) | 1-2 | M | VM = 1: Single plane analysis, VM = 2: Biplane analysis | |
| 4 | > | CONTAINS | CODE | EV (122429, DCM, “Volume Method”) | 1 | M | | DCID (3453) Volume Methods |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | n | M | | $Measurement = DCID (3471) Estimated Volumes<br>$TargetSite = DCID (3462) Chamber Identification<br>$Unit = DT (ml, UCUM, “ml”) |
| 6 | > | CONTAINS | INCLUDE | DTID (300) Measurement | n | U | | $Measurement = EV (122445, DCM, “Wall Thickness”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 7 | > | CONTAINS | IMAGE | No purpose of reference | 1-n | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 3 | Identifies each frame analyzed, using the multi-valued Referenced Frame Number (0008,1160) attribute of the IMAGE content item. |
| Row 5,6 | Includes one measurement for each frame referenced in Row 3. |
| Row 7 | Secondary Capture image with ventricular contours |

### TID 3209 Centerline Wall Motion Template

The Centerline Wall Motion Template consists of a CONTAINER providing measurements of the centerline wall motion.

**TID 3209**
**CENTERLINE WALL MOTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111004, DCM, “Analysis Performed”) | 1 | M | | EV (122449, DCM, “Centerline Wall Motion Analysis”) |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (122410, DCM, “Contour Realignment”) | 1 | M | | DCID (3458) Contour Realignment |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 100 | M | | $Measurement = EV (122450, DCM, “Normalized Chord Length”)<br>$Unit = DT (%, UCUM, “%”) |
| 5 | > | CONTAINS | NUM | EV (122411, DCM, “Threshold Value”) | 1 | M | | Values shall be 1, 2 or 3<br>Units = EV ({sd}, UCUM, “Standard Deviations”) |
| 6 | > | CONTAINS | CONTAINER | EV (122451, DCM, “Abnormal Region”) | 1-6 | U | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 7 | >> | CONTAINS | CODE | EV (F-32050, SRT, “Cardiac Wall Motion”) | 1 | M | | DCID (3703) Wall Motion |
| 8 | >> | CONTAINS | CODE | EV (R-404F0, SRT, “Circumferential Extent”) | 1 | U | | DCID (3460) Circumferential Extent |
| 9 | >> | CONTAINS | NUM | EV (122452, DCM, “First Chord of Abnormal Region”) | 1 | M | | Unit = DT (1, UCUM, “no unit”) |
| 10 | >> | CONTAINS | NUM | EV (122453, DCM, “Last Chord of Abnormal Region”) | 1 | M | | Unit = DT (1, UCUM, “no unit”) |
| 11 | > | CONTAINS | CONTAINER | EV (122417, DCM, “Regional Abnormal Wall Motion ”) | 1-4 | U | | |
| 12 | >> | HAS CONCEPT MOD | CODE | EV (G-C03E, SRT, “Finding Site”) | 1 | M | | DCID (3461) Regional Extent |
| 13 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122459, DCM, “Territory Region Severity”)<br>$ModType = EV (F-32050, SRT, “Cardiac Wall Motion”)<br>$ModValue = DCID (3703) Wall Motion<br>$Unit = DT ({sd}, UCUM, “Standard Deviations”) |
| 14 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122461, DCM, “Opposite Region Severity”)<br>$ModType = EV (F-32050, SRT, “Cardiac Wall Motion”)<br>$ModValue = DCID (3703) Wall Motion<br>$Unit = DT ({sd}, UCUM, “Standard Deviations”) |
| 15 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 4 | Normalized lengths of the chords determined between ED and ES contour. The measurement template allows the specification of the statistical properties of the normal population and of the chord measurement relative to the population. |
| Row 8 | If the Circumferential Extent is not specified no limitations to the boundaries for regions are assumed. |
| Row 11 | The Regional Abnormal Wall Motion container holds the information on the severity of the decreased or increased wall motion of the 4 predefined regions as described in [Sheehan, 1986]. |
| Row 12 | The name of the region with an abnormal ventricular wall motion as described in [Sheehan, 1986]. |
| Row 13 | The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the territory region as described in [Sheehan, 1986]. |
| Row 14 | The severity of the wall motion abnormality expressed in Standard Deviations above or below normal in the opposite region as described in [Sheehan, 1986]. |
| Row 15 | Secondary Capture image with centerline analysis result |

### TID 3210 Radial Based Wall Motion Template

The Radial Based Wall Motion Template consists of a CONTAINER providing measurements of the radial based wall motion.

**TID 3210**
**RADIAL BASED WALL MOTION**
**Type: Extensible**

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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111004, DCM, “Analysis Performed”) | 1 | M | | EV (122493, DCM, “Radial Based Wall Motion Analysis”) |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (122410, DCM, “Contour Realignment”) | 1 | M | | DCID (3458) Contour Realignment |
| 4 | > | CONTAINS | CONTAINER | EV (121070, DCM, “Findings”) | 1-n | M | | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3718) Myocardial Wall Segments in Projection |
| 6 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122495, DCM, “Regional Contribution to Ejection Fraction”)<br>$Unit = DT (%, UCUM, “%”) |
| 7 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = EV (122496, DCM, “Radial Shortening”)<br>$Unit = DT (%, UCUM, “%”) |
| 8 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 6 | The CREF values of the 6 regions determined for the radial based wall motion |
| Row 7 | The shortening of the measured radials within the region |
| Row 8 | Secondary Capture image with radial based analysis result |

### TID 3211 Landmark Based Wall Motion Template

The Landmark Based Wall Motion Template consists of a CONTAINER providing measurements of the landmark based wall motion.

**TID 3211**
**LANDMARK BASED WALL MOTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111004, DCM, “Analysis Performed”) | 1 | M | | EV (122497, DCM, “Landmark Based Wall Motion Analysis”) |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (122410, DCM, “Contour Realignment”) | 1 | M | | DCID (3458) Contour Realignment |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = EV (122498, DCM, “Slice Contribution to Ejection Fraction”)<br>$Unit = DT (%, UCUM, “%”) |
| 5 | > | CONTAINS | CONTAINER | EV (121070, DCM, “Findings”) | 5 | M | | |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Sites”) | 1 | M | | DCID (3718) Myocardial Wall Segments in Projection |
| 7 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122495, DCM, “Regional Contribution to Ejection Fraction”)<br>$Unit = DT (%, UCUM, “%”) |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 8 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 8 | Secondary Capture image with Landmark Based Analysis result |



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## QUANTITATIVE ARTERIAL ANALYSIS REPORT SR IOD TEMPLATES

The templates that comprise the Quantitative Arterial Analysis SR are interconnected as in Figure A-4:

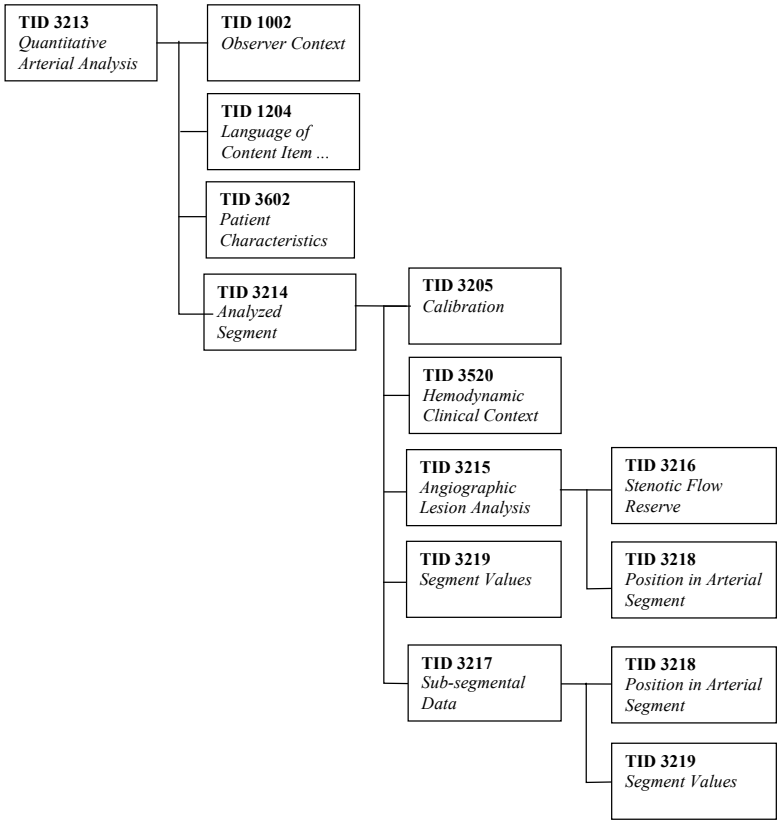


**Figure A-4: Quantitative Arterial Analysis Report SR IOD Template Structure**

### TID 3213 Quantitative Arterial Analysis Template

The Quantitative Arterial Analysis Template consists of a CONTAINER with a structure for reporting the result of the quantitative arterial analysis process.

**TID 3213**
**QUANTITATIVE ARTERIAL ANALYSIS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122291, DCM, “Quantitative Arteriography Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language Of Content Item And Descendants | 1 | M | | |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | 1 | U | | |
| 5 | > | HAS OBS CONTEXT | TEXT | EV (111001, DCM, “Algorithm Name”) | 1 | M | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 6 | > | HAS OBS CONTEXT | TEXT | EV (111003, DCM, “Algorithm Version”) | 1 | M | | |
| 7 | > | HAS OBS CONTEXT | TEXT | EV (122405, DCM, “Algorithm Manufacturer”) | 1 | M | | |
| 8 | > | CONTAINS | INCLUDE | DTID (3214) Analyzed Segment | 1-n | M | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 5 | Identifies the Arterial Analysis program |
| Row 6 | Identifies the Arterial Analysis program version |
| Row 7 | Identifies the Arterial Analysis program manufacturer |

### TID 3214 Analyzed Segment Template

The Analyzed Segment Template consists of a CONTAINER providing quantitative arterial analysis measurements derived from the angiographic images.

**TID 3214**
**ANALYZED SEGMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3604) Arterial lesion locations |
| 3 | > | CONTAINS | IMAGE | EV (121112, DCM, “Source of Measurements”) | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3205) Calibration | 1 | M | | |
| 5 | > | HAS ACQ CONTEXT | INCLUDE | DTID (3520) Hemodynamic Clinical Context | 1 | U | | |
| 6 | > | CONTAINS | SCOORD | EV (122507, DCM, “Left Contour”) | 1 | M | | GRAPHIC TYPE = POLYLINE |
| 7 | >> | R-SELECTED FROM | IMAGE | | 1 | M | | Must reference Row 3 |
| 8 | > | CONTAINS | SCOORD | EV (122508, DCM, “Right Contour”) | 1 | M | | GRAPHIC TYPE = POLYLINE |
| 9 | >> | R-SELECTED FROM | IMAGE | | 1 | M | | Must reference Row 3 |
| 10 | > | CONTAINS | INCLUDE | DTID (3219) Segment Values | 1 | M | | |
| 11 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = (R-404FB, SRT, “Minimum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 12 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation =(G-A437, SRT, “Maximum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 13 | > | CONTAINS | CONTAINER | EV (122509, DCM, “Diameter Graph”) | 1 | U | | |
| 14 | >> | CONTAINS | NUM | EV (122511, DCM, “Graph Increment”) | 1 | M | | Value = 1<br>Units = DT ({pixels}, UCUM, |



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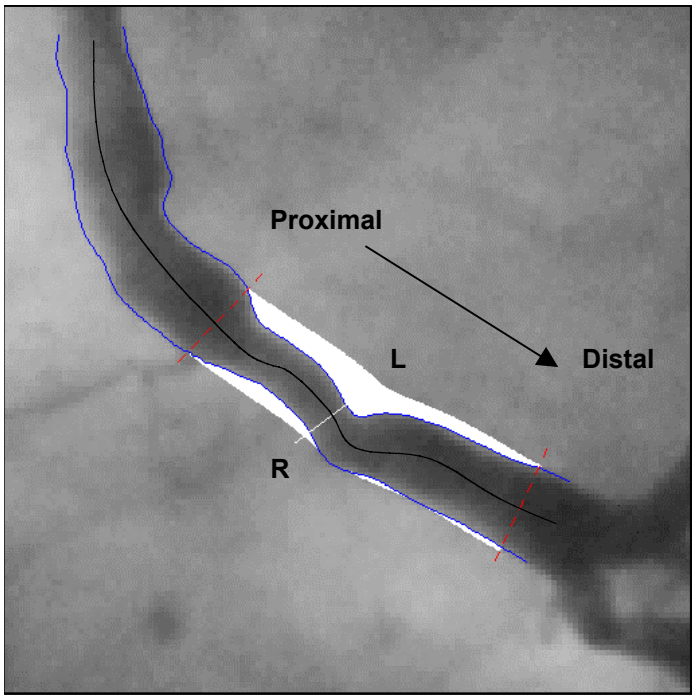
| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | "pixels") |
| 15 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = EV (G-0364, SRT, "Vessel Luminal Diameter")<br>$Unit = DT (mm, UCUM, "mm") |
| 16 | > | CONTAINS | NUM | EV (122382, DCM, "Site of Luminal Minimum ") | 1 | U | | Units = DT ({pixels}, UCUM, "pixels") |
| 17 | > | CONTAINS | NUM | EV (122516, DCM, "Site of Luminal Maximum") | 1 | U | | Units = DT ({pixels}, UCUM, "pixels") |
| 18 | > | CONTAINS | INCLUDE | DTID (3215) Angiographic Lesion Analysis | 1-n | U | | |
| 19 | > | CONTAINS | INCLUDE | DTID (3217) Sub-Segmental Data | 1-n | U | | |
| 20 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 1 | Observation DateTime (0040,A032) of container needs to be flagged with the time of the analysis |
| Row 6 | Numeric coordinates (x,y) identifying the contour points from proximal to distal of left contour. Left is relative to the direction of the blood flow. |
| Row 8 | Numeric coordinates (x,y) identifying the contour points from proximal to distal of right contour. Right is relative to the direction of the blood flow. |
| Row 11,12 | Positions are relative to the midpoint between the first left and right contour points and measured along the midline between the left and right contour. |
| Row 13 | The X-axis represents the pixel points of the midline of the vessel from proximal to distal.<br>The points on the midline are not necessarily equidistant. |
| Row 15 | For each point of the midline of the vessel a measurement value for the diameter is calculated. |
| Row 16,17 | The positions in the graph are related to the points on the midline of the vessel. |
| Row 20 | Secondary Capture image with Arterial Analysis contour. |

Definition of Left and Right defined by the direction of the blood flow:




- Standard -

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### TID 3215 Angiographic Lesion Analysis Template

The Angiographic Lesion Analysis Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

**TID 3215**
**ANGIOGRAPHIC LESION ANALYSIS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (F-00585, SRT, “Lesion Finding”) | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121151, DCM, “Lesion Identifier”) | 1 | M | | |
| 3 | >> | HAS PROPERTIES | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3604) Arterial lesion locations |
| 4 | >>> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier”) | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation =(R-404FB, SRT, “Minimum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 6 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”)<br>$Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods<br>$Derivation =(R-404FB, SRT, “Minimum”)<br>$Unit = DT (mm2, UCUM, “mm^2”) |
| 7 | > | CONTAINS | CODE | EV (122430, DCM, “Reference Method”) | 1 | M | | DCID (3465) QA Reference Method |
| 8 | > | CONTAINS | CONTAINER | EV (122438, DCM, “Reference Points”) | 1 | U | | |
| 9 | >> | CONTAINS | NUM | EV (122337, DCM, “Relative Position”) | 1-n | M | | $Unit = DT (mm, UCUM, “mm”) |
| 10 | >>> | HAS PROPERTIES | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 11 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$TargetSite = (122382, DCM, ”Site of Luminal Minimum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 12 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”)<br>$Derivation = EV (122404, DCM, “Reconstructed”)<br>$TargetSite = (122382, DCM, ”Site of Luminal Minimum”)<br>$Unit = DT (mm2, UCUM, “mm^2”) |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 13 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = EV (R-41D2D, SRT, “Calculated”)<br>$TargetSite =EV (122481, DCM, “Contour Start”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 14 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = EV (R-41D2D, SRT, “Calculated”)<br>$TargetSite = EV (122482, DCM, “Contour End”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 15 | > | CONTAINS | INCLUDE | DTID (3218) Position in Arterial Segment | 1 | M | | |
| 16 | > | CONTAINS | CONTAINER | EV (122517, DCM, “Densitometric Luminal Cross-sectional Area Graph”) | 1 | U | | |
| 17 | >> | CONTAINS | NUM | EV (122511, DCM, “Graph Increment”) | 1 | M | | Value = 1<br>Units = DT ({pixels}, UCUM, “pixels”) |
| 18 | >> | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = EV (G-0366, SRT, ”Vessel Lumen Cross-Sectional Area”)<br>$Unit = (mm2, UCUM, “mm^2”) |
| 19 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”)<br>$Derivation = EV (R-41D2D, SRT, “Calculated”)<br>$Method = EV(122474, DCM, “Densitometric method”)<br>$TargetSite =EV (122481, DCM, “Contour Start”)<br>$Unit = (mm2, UCUM, “mm^2”) |
| 20 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-0366, SRT, “Vessel Lumen Cross-Sectional Area”)<br>$Derivation = EV (R-41D2D, SRT, “Calculated”)<br>$Method = EV(122474, DCM, “Densitometric method”)<br>$TargetSite = EV (122482, DCM, “Contour End”)<br>$Unit = (mm2, UCUM, “mm^2”) |
| 21 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (R-101BC, SRT, “Lesion Length”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 22 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (R-101BB, SRT, “Lumen Diameter Stenosis”)<br>$Unit = DT (%, UCUM, “%”) |
| 23 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = EV (R-101BA, SRT, “Lumen Area Stenosis”)<br>$Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $Unit = DT (%, UCUM, "%") |
| 24 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = EV (122372, DCM, "Lumen Volume")<br>$Method = DCID (3470) Vessel Lumen Cross-Sectional Area Calculation Methods<br>$Unit = DT (mm3, UCUM, "mm^3") |
| 25 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122542, DCM, "Plaque Area")<br>$Unit = DT (mm2, UCUM, "mm^2") |
| 26 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122376, DCM, "Total Plaque Volume")<br>$Unit = DT (mm3, UCUM, "mm^3") |
| 27 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122544, DCM, "Diameter Symmetry")<br>$Unit = DT ({ratio}, UCUM, "ratio") |
| 28 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122545, DCM, "Area Symmetry")<br>$Unit = DT ({ratio}, UCUM, "ratio") |
| 29 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122546, DCM, "Inflow Angle")<br>$Unit = DT (deg, UCUM, "degrees") |
| 30 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122547, DCM, "Outflow Angle")<br>$Unit = DT (deg, UCUM, "degrees") |
| 31 | > | CONTAINS | INCLUDE | DTID (3216) Stenotic Flow Reserve | 1 | U | | |
| 32 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

## Content Item Descriptions

| | |
|---|---|
| Row 8 | Set of user defined reference position for method that requires local reference position. |
| Row 9 | Distance of local reference position from an arbitrary landmark. |
| Row 10 | Diameter at a local reference position. |
| Row 11 | The reference diameter for the arterial lesion calculated with the applicable reference method |
| Row 12 | The reference area for the arterial lesion calculated with the applicable reference method |
| Row 13 | The diameter measurement at the start of the reconstruction line in the diameter graph (TID 3214 Row 13) |
| Row 14 | The diameter measurement at the end of the reconstruction line in the diameter graph (TID 3214 Row 13) |
| Row 15 | The positions of the lesion, borders of the lesion, etc. |
| Row 16 | The graph with the calculated cross sectional area results based on the densitometric method |
| Row 18 | The cross sectional area measurements calculated based on the densitometric method |
| Row 19 | The cross sectional area measurement at the start of the reconstruction line in the area graph |
| R0w 20 | The cross sectional area measurement at the end of the reconstruction line in the area graph |
| Row 21 | Measured along the midline of the left and right contour |
| Row 22 | The diameter stenosis is calculated as follows:<br>(Reference Luminal Diameter – Minimum Luminal Diameter / Reference Luminal Diameter) * 100% |
| Row 23 | The circular and the densitometric area stenosis are calculated respectively as:<br>(Reference Vessel Lumen Cross-Sectional Area – Minimum Luminal Circular Area / Reference Vessel |



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| | |
|---|---|
| | Lumen Cross-Sectional Area) * 100%<br>(Reference Vessel Lumen Cross-Sectional Area – Minimum Luminal Densitometric Area / Reference Vessel Lumen Cross-Sectional Area) * 100% |
| Row 24 | Estimated lumen volume between proximal border and distal border of lesion (TID 3218, row 1 and 2) |
| Row 32 | Secondary Capture image with obstruction analysis contour |

### TID 3216 Stenotic Flow Reserve Template

The Stenotic Flow Reserve Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for an obstruction in a total analyzed segment.

**TID 3216**
**STENOTIC FLOW RESERVE**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122548, DCM, “Stenotic Flow Reserve”)<br>$Unit = DT ({ratio}, UCUM, “ratio”) |
| 2 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122549, DCM, “Poiseuille Resistance”)<br>$Unit = DT (mm[Hg]s/cm, UCUM, “mmHGs/cm”) |
| 3 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122550, DCM, “Turbulence Resistance”)<br>$Unit = DT (mm[Hg]s2/cm2, UCUM, “mmHGs^2/cm^2”) |
| 4 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122555, DCM, “Estimated Normal Flow”)<br>$Unit = DT (ml/s, UCUM, “ml/s”) |
| 5 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (122551, DCM, “Pressure Drop at SFR”)<br>$Unit = DT (mm[Hg], UCUM, “mmHg”) |
| 6 | | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

#### Content Item Descriptions

| | |
|---|---|
| Row 6 | Secondary Capture image with SFR analysis contour |

### TID 3217 Sub-segmental Data Template

The Sub-segmental Data Template consists of a CONTAINER providing quantitative arterial analysis measurements derived for a sub-segment in a total analyzed segment.

**TID 3217**
**SUB-SEGMENTAL DATA**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3604) Arterial lesion locations |
| 3 | >> | HAS | CODE | EV (G-A1F8, SRT, | 1 | U | | DCID (3019) Cardio-vascular |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | CONCEPT MOD | | "Topographical modifier") | | | | Anatomic Location Modifiers |
| 4 | > | CONTAINS | CODE | EV (122554, DCM, "Segmentation Method") | 1 | M | | DCID (3456) Sub-segment Methods |
| 5 | > | CONTAINS | INCLUDE | DTID (3219) Segment Values | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3218) Position in Arterial Segment | 1 | M | | |
| 7 | > | CONTAINS | IMAGE | No purpose of reference | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 7 | Secondary Capture image with obstruction analysis contour |

### TID 3218 Position in Arterial Segment

The Position in Arterial Segment Template consists of the position content items common for the Angiographic Lesion Analysis and Sub-Segmental Data.

**TID 3218**
**POSITION IN ARTERIAL SEGMENT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122528, DCM, "Position of Proximal Border")<br>$Unit = DT (mm, UCUM, "mm") |
| 2 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122529, DCM, "Position of Distal Border")<br>$Unit = DT (mm, UCUM, "mm") |
| 3 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122382, DCM, "Site of Luminal Minimum")<br>$Unit = DT (mm, UCUM, "mm") |
| 4 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122516, DCM, "Site of Luminal Maximum")<br>$Unit = DT (mm, UCUM, "mm") |
| 5 | | CONTAINS | NUM | EV (122528, DCM, "Position of Proximal Border") | 1 | UC | IFF TID 3214 Row 13 is present | Units = DT ({pixels}, UCUM, "pixels") |
| 6 | | CONTAINS | NUM | EV (122529, DCM, "Position of Distal Border") | 1 | UC | IFF TID 3214 Row 13 is present | Units = DT ({pixels}, UCUM, "pixels") |
| 7 | | CONTAINS | NUM | EV (122382, DCM, "Site of Luminal Minimum") | 1 | UC | IFF TID 3214 Row 13 is present | Units = DT ({pixels}, UCUM, "pixels") |
| 8 | | CONTAINS | NUM | EV (122516, DCM, "Site of Luminal Maximum") | 1 | UC | IFF TID 3214 Row 13 is present | Units = DT ({pixels}, UCUM, "pixels") |

### Content Item Descriptions

| | |
|---|---|
| Row 1,2,3,4 | Positions are relative to the midpoint of the first left and right contour points and measured along the midline of the left and right contour |
| Row 5,6,7,8 | The positions are relative to the measurement locations of the Diameter Graph of TID 3214 row 13. |



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**TID 3219 Segment Values Template**

The Segment Values Template consists of content items providing quantitative arterial analysis measurements for a total analyzed segment or sub segment.

**TID 3219**
**SEGMENT VALUES**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (122510, DCM, “Length Luminal Segment”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 2 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = (R-404FB, SRT, “Minimum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 3 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation =(G-A437, SRT, “Maximum”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 4 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = (R-00317, SRT, “Mean”)<br>$Unit = DT (mm, UCUM, “mm”) |
| 5 | | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-0364, SRT, “Vessel Luminal Diameter”)<br>$Derivation = (R-10047, SRT, “Standard Deviation”)<br>$Unit = DT (mm, UCUM, “mm”) |

**Content Item Descriptions**

| | |
|---|---|
| Row 1 | Measured along the midline of the left and right contour. |



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## IVUS REPORT TEMPLATES

The templates that comprise the IVUS Report within the Evidence Report IOD are interconnected as shown in Figure A-5.

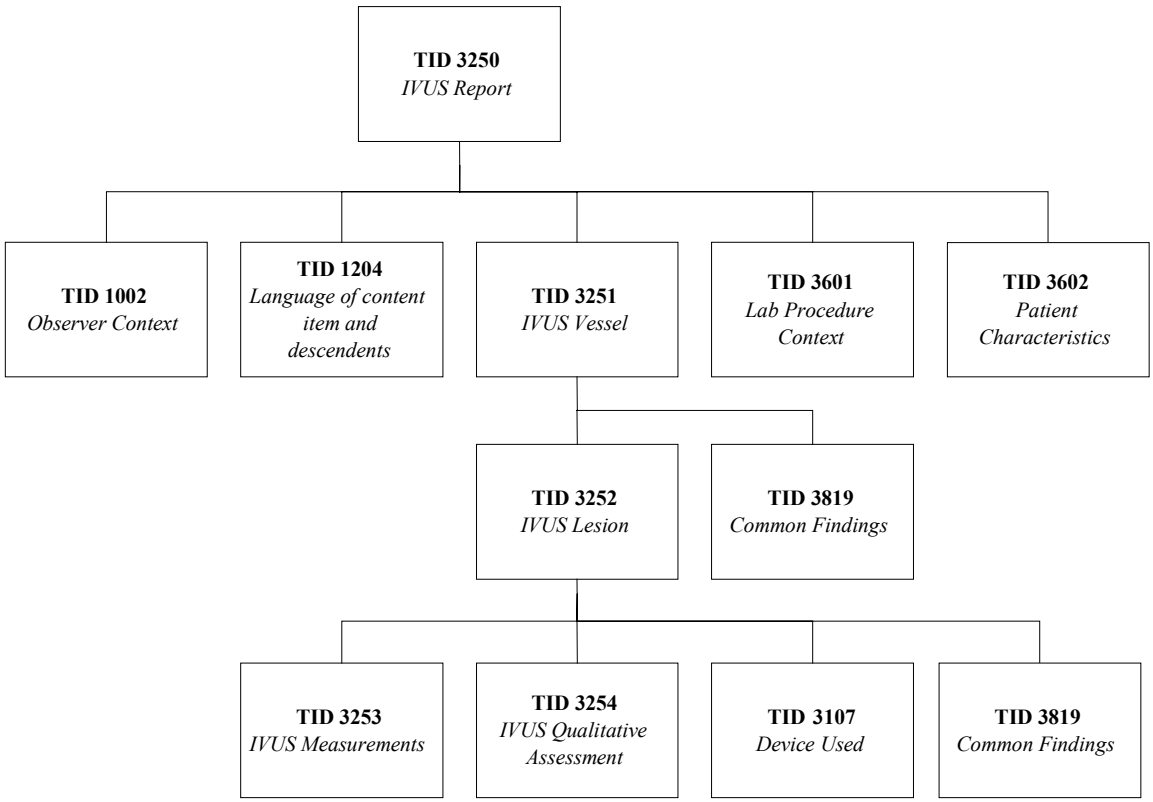


**Figure A-5 IVUS Report Template Hierarchy**



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### TID 3250 IVUS Report

The IVUS Report template is the root structure for the representation of IVUS measurements acquired during a catheterization procedure.

**TID 3250**
**IVUS Report**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122325, DCM, “IVUS Report”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (1204) Language of content item and descendents | 1 | M | | |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | U | | |
| 4 | > | HAS OBS CONTEXT | INCLUDE | DTID (3601) Lab Procedure Context | 1 | U | | |
| 5 | > | HAS ACQ CONTEXT | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | 1 | U | | |
| 6 | > | CONTAINS | CONTAINER | EV (111028, DCM, “Image Library”) | 1 | U | | |
| 7 | >> | CONTAINS | IMAGE | No purpose of reference | 1-n | U | | |
| 8 | > | CONTAINS | INCLUDE | DTID (3251) IVUS Vessel | 1-n | M | | |

### TID 3251 IVUS Vessel

The IVUS Vessel template provides a structure for grouping one or more lesions analyzed and/or treated during a single phase of a catheterization procedure, according to vessel (or arterial location).

**TID 3251**
**IVUS Vessel**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | U | | DCID (3604) Arterial Locations |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier”) | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 4 | >> | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality") | 1 | UC | IFF anatomy has laterality | DCID (244) Laterality |
| 5 | > | HAS ACQ CONTEXT | CODE | EV (G-72BB, SRT, “Catheterization Procedure Phase”) | 1 | U | | DCID (3480) IVUS Procedure Phases |
| 6 | > | CONTAINS | CODE | EV (122134, DCM, "Vessel Morphology") | 1-n | U | | CID (3712) Vessel Descriptors |
| 7 | > | CONTAINS | INCLUDE | DTID (3819 ) Common Findings | 1-n | U | | |
| 8 | > | CONTAINS | CODE | EV (115, NCDR [2.0b], "Dissection in segment") | 1 | U | | DCID (230) Yes-No |
| 9 | > | CONTAINS | INCLUDE | DTID (3252) IVUS Lesion | 1-n | U | | |



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### TID 3252 IVUS Lesion

The IVUS Lesion template provides a structure for grouping measurements and observations made on a single lesion during an Intravascular Ultrasound Procedure.

**TID 3252**
**IVUS Lesion**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (F-00585, SRT, “Lesion Finding”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (121151, DCM, “Lesion Identifier") | 1 | M | | Up to 3 numeric characters |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1-n | U | | DCID (3604) Arterial lesion locations |
| 4 | >>> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier") | 1 | U | | DCID (3019) Cardio-vascular Anatomic Location Modifiers |
| 5 | > | HAS ACQ CONTEXT | INCLUDE | DTID (3107) Device Used | 1-n | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3253) IVUS Measurements | 1 | MC | One or both of rows 6 & 7 must be present | |
| 7 | > | CONTAINS | INCLUDE | DTID (3254) IVUS Qualitative Assessment | 1 | MC | One or both of rows 6 & 7 must be present | |
| 8 | > | CONTAINS | INCLUDE | DTID( 3819) Common Findings | 1-n | U | | |

#### Content Item Descriptions

Row 2 Lesion Identifier is specified as a numeric text string in order to facilitate trans-coding to DICOM Attribute (0018,3105) Lesion Number and to formats for outcomes registries, such as the ACC National Cardiovascular Data Registry™.

Note: Also see TID 3105.

Row 3 - Finding site may span multiple segments with the proximal and distal extent specified by separate items. These may not be totally contained with the segment specified at the Vessel level.

### TID 3253 IVUS Measurements

The IVUS measurements template groups together simple distance, area and angle measurements, along with derived measurements that made during an IVUS procedure. Refer to the “*ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS)”* for more information.

**TID 3253**
**IVUS Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3481) IVUS Distance Measurements<br>$Units = EV (mm, UCUM, "mm") |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $Derivation = DCID (3488) Min/Max/Mean<br>$TargetSite = BCID (3486) Vascular Measurement Sites |
| 2 | | | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3482) IVUS Area Measurements<br>$Units = EV (mm2, UCUM, "mm2")<br>$Derivation = DCID (3488) Min/Max/Mean<br>$TargetSite = BCID (3486) Vascular Measurement Sites |
| 3 | | | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3483) IVUS Longitudinal Measurements<br>$Units = EV (mm, UCUM, "mm") |
| 4 | | | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = EV (122355, DCM, "Arc of Calcium")<br>$Units = EV (deg, UCUM,"degrees")<br>$TargetSite = BCID (3486) Vascular Measurement Sites |
| 5 | | | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (R-101BA, SRT, "Lumen Area Stenosis")<br>$Units = EV (%, UCUM, "%") |
| 6 | | | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122354, DCM, "Plaque Burden")<br>$Units = EV (%, UCUM, "%")<br>$TargetSite = BCID (3486) Vascular Measurement Sites |
| 7 | | | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3484) IVUS Indices and Ratios<br>$Units = EV (1, UCUM, "ratio")<br>$TargetSite = BCID (3486) Vascular Measurement Sites |
| 8 | | | INCLUDE | TID (3255) IVUS Volume Measurement | 1-n | U | | |
| 9 | | | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122339, DCM, "Stent Volume Obstruction")<br>$Units = EV (%, UCUM, "%") |

### TID 3254 IVUS Qualitative Assessments

The IVUS Qualitative Assessments template groups together the qualitative properties of a lesion that are observed during an IVUS procedure. Refer to the "ACC Clinical Expert Consensus Document on Standards for Acquisition, measurement and Reporting of Intravascular Ultrasound Studies (IVUS)" for more information.

**TID 3254**
**IVUS Qualitative Assessments**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (122133, DCM, "Lesion Morphology") | 1-n | U | | DCID (3491) IVUS Lesion Morphologies |
| 2 | | | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3494) IVUS Non Morphological Findings |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 3 | > | | INCLUDE | DTID (1350) “Negation Modifier, Presence of Finding” | 1 | U | | |
| 4 | | | CODE | EV (121071, DCM, “Finding”) | 1 | U | | EV (D3-81310, SRT, "Arterial Dissection") |
| 5 | > | HAS CONCEPT MOD | CODE | EV (122387, DCM, "Dissection Classification") | 1 | U | | DCID (3492) Vascular Dissection Classifications |
| 6 | > | | INCLUDE | DTID (1350) “Negation Modifier, Presence of Finding” | 1 | U | | |
| 7 | | | CODE | EV (122391, DCM, "Relative Stenosis Severity") | 1 | U | | DCID (3493) IVUS Relative Stenosis Severities |
| 8 | | | CODE | EV (108, NCDR [2.0b], "Previously Dilated Lesion ") | 1 | U | | DCID (3750) Previously Dilated Lesion |
| 9 | | | CODE | EV (121071, DCM, “Finding”) | 1 | U | | EV (122393, DCM, "Restenotic Lesion") |
| 10 | > | | INCLUDE | DTID (1350) “Negation Modifier, Presence of Finding” | 1 | U | | |
| 11 | | | CODE | EV (111009, “Calcification Type”) | 1 | U | | DCID (3489) Calcium Distribution |

### TID 3255 IVUS Volume Measurement

The IVUS Volume Measurement Template contains information describing an IVUS Volumetric measurement

**TID 3255**
**IVUS Volume Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | INCLUDE | TID (300) Measurement | 1 | M | | $Measurement = DCID (3485) IVUS Volume Measurements<br>$Units = EV (mm3, UCUM, "mm3")<br>$TargetSite = BCID (3487) IVUS Volumetric Regions |
| 2 | > | HAS PROPERTIES | NUM | EV (122336, DCM, “Vascular Volume measurement length”) | 1 | U | | $Unit = DT (mm, UCUM, “mm”) |
| 3 | > | HAS PROPERTIES | NUM | EV (122337, DCM, “Relative position”) | 1 | U | | $Unit = DT (mm, UCUM, “mm”) |
| 4 | >> | HAS CONCEPT MOD | CODE | EV (122340, DCM, "Fiducial feature”) | 1 | M | | DCID (3496) IVUS Fiducial Points |



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## HEMODYNAMICS REPORT TEMPLATES

The templates that comprise the Hemodynamic Report are interconnected as shown in Figure A-6.

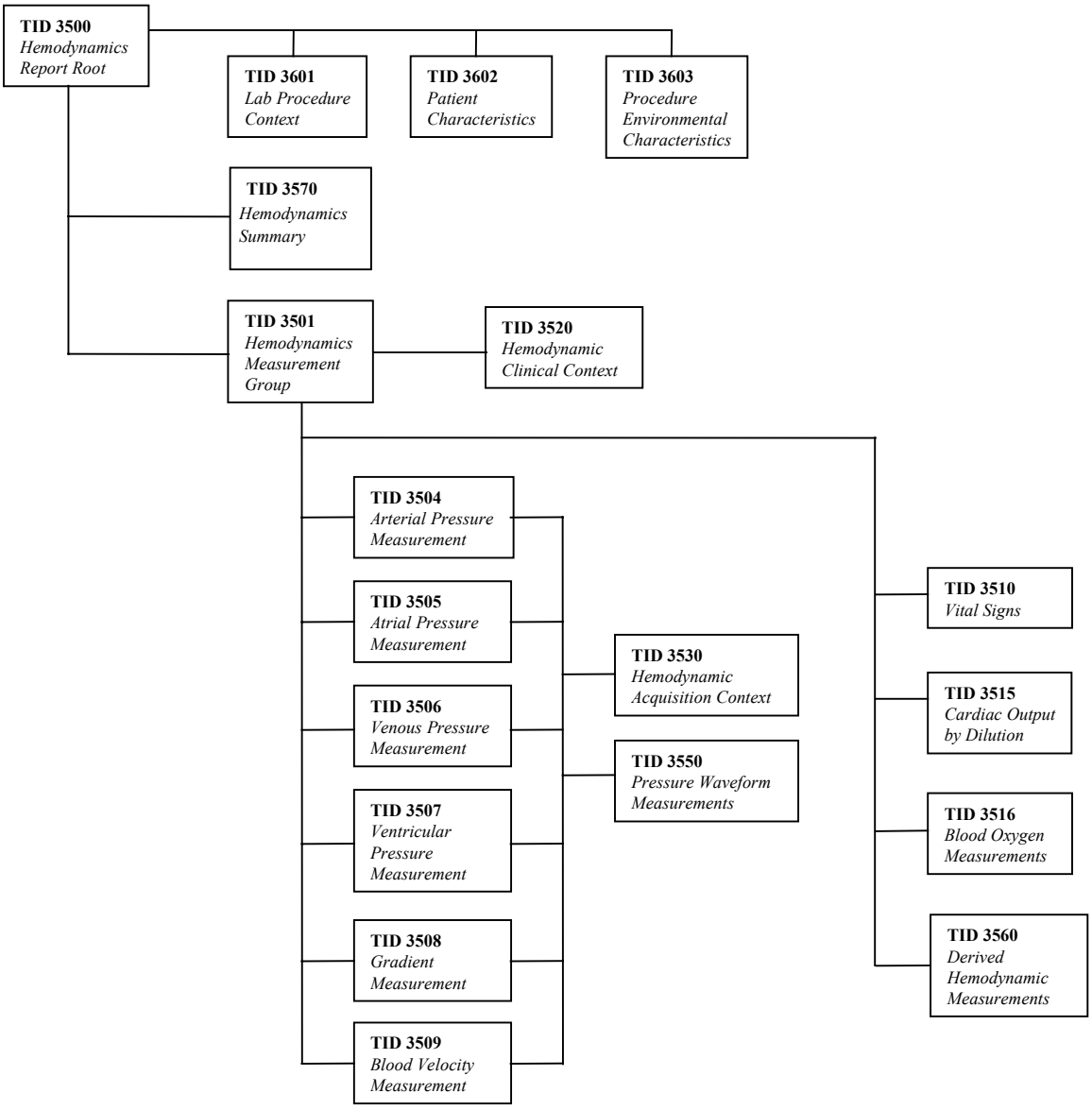


**Figure A-6 Hemodynamic Report Template Hierarchy**

The figure shows only the use of templates specific to the Hemodynamic Report; it does not show common structural templates such as TID 300.

Note: The figure shows the relationship of templates; it does not show the structural hierarchy of Content Items in the IOD. See PS 3.17.



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### TID 3500 Hemodynamics Report

The Hemodynamic Report template is the root structure for the representation of measurements acquired during a procedure in a cardiac catheterization lab.

**TID 3500**
**Hemodynamics Report**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122120, DCM, “Hemodynamics Report”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | M | | |
| 3 | > | | INCLUDE | DTID (3601) Procedure Context | 1 | M | | |
| 4 | > | HAS OBS CONTEXT | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | 1 | M | | |
| 5 | > | HAS ACQ CONTEXT | INCLUDE | DTID (3603) Procedure Environmental Characteristics | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3501) Hemodynamic Measurement Group | 1-n | M | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3570) "Summary, Hemodynamics" | 1 | U | | |

### TID 3501 Hemodynamics Measurement Group

The Hemodynamic Measurement Group template provides a structure for measurements acquired during a single procedure phase in a cardiac catheterization lab.

**TID 3501**
**Hemodynamics Measurement Group**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DCID (3651) Hemodynamic Measurement phase | 1 | M | | |
| 2 | > | HAS ACQ CONTEXT | INCLUDE | DTID (3520) Hemodynamic Clinical Context | 1 | U | | |
| 3 | > | HAS ACQ CONTEXT | TEXT | EV (121124, DCM, "Procedure Action ID") | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3510) Vital signs | 1-n | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID (3504) Arterial Pressure Measurement | 1-n | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3505) Atrial Pressure Measurement | 1-n | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3506) Venous Pressure Measurement | 1-n | U | | |
| 8 | > | CONTAINS | INCLUDE | DTID (3507) Ventricular Pressure Measurement | 1-n | U | | |
| 9 | > | CONTAINS | INCLUDE | DTID (3508) Gradient Measurement | 1-n | U | | |
| 10 | > | CONTAINS | INCLUDE | DTID (3509) Blood Velocity Measurements | 1-n | U | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 11 | > | CONTAINS | INCLUDE | DTID (3515) Cardiac Output Measurement by Indicator Dilution | 1-n | U | | |
| 12 | > | CONTAINS | INCLUDE | DTID (3516) Blood lab measurements | 1-n | U | | |
| 13 | > | CONTAINS | INCLUDE | DTID (3560) Derived Hemodynamic Measurements | 1-n | U | | |

**Content Item Descriptions**

Row 3 Procedure Action ID allows linkage between the hemodynamic measurements recorded in this Template and a procedure step or phase recorded in the Procedure Log, e.g., using TID 3100.

### TID 3504 Arterial Pressure Measurement

The Arterial Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic, diastolic, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

**TID 3504**
**Arterial Pressure Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (P2-36102, SRT, “Arterial pressure measurements") | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | M | | $LocationName = EV (G-C0E3, SRT, “Finding Site”)<br>$LocationValue = DCID (3606) Arterial source locations |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (8480-6, LN, “Intravascular arterial Systolic pressure”)<br>$Units = DCID (3500) Pressure Units |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (8462-4, LN, “Intravascular arterial Diastolic pressure”)<br>$Units = DCID (3500) Pressure Units |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (8478-0, LN, “Intravascular arterial mean pressure”)<br>$Units = DCID (3500) Pressure Units |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 6 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |

### TID 3505 Atrial Pressure Measurement

The Atrial Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a-wave, v-wave, and mean measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

**TID 3505**
**Atrial Pressure Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122121, DCM, “Atrial pressure measurements") | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | M | | $LocationName = EV (G-C0E3, SRT, “Finding Site”)<br>$LocationValue = DCID (3608) Atrial source locations |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (109016, DCM, “A-wave peak pressure”)<br>$Units = DCID (3500) Pressure Units |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (109034, DCM, “V-wave peak pressure”)<br>$Units = DCID (3500) Pressure Units |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (F 31150, SRT, “Mean blood pressure”)<br>$Units = DCID (3500) Pressure Units |
| 6 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |



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### TID 3506 Venous Pressure Measurement

The Venous Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing a mean measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

**TID 3506**
**Venous Pressure Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (P2-36110, SRT, “Venous pressure measurements") | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | M | | $LocationName = EV (G-C0E3, SRT, “Finding Site”)<br>$LocationValue = DCID (3607) Venous source locations |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = EV (F 31150, SRT, “Mean blood pressure”)<br>$Units = DCID (3500) Pressure Units |
| 4 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |

### TID 3507 Ventricular Pressure Measurement

The Ventricular Pressure Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing systolic and end-diastolic measurements. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

**TID 3507**
**Ventricular Pressure Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122122, DCM, “Ventricular pressure measurements") | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | M | | $LocationName = EV (G-C0E3, SRT, “Finding Site”)<br>$LocationValue = DCID (3609) Ventricular source locations |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32600, SRT, “Left Ventricle”) or subsite thereof | $Measurement = EV (F-03E0D, SRT, “Left Ventricular Systolic blood pressure”)<br>$Units = DCID (3500) Pressure Units |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32600, SRT, “Left Ventricle”) or subsite thereof | $Measurement = EV (F-03E0E, SRT, “Left Ventricular End Diastolic pressure”)<br>$Units = DCID (3500) Pressure Units |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32500, SRT, “Right Ventricle”) or subsite thereof | $Measurement = EV (F-03DFE, SRT, “Right Ventricular Systolic blood pressure”)<br>$Units = DCID (3500) Pressure Units |
| 6 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32500, SRT, “Right Ventricle”) or subsite thereof | $Measurement = EV (F-03E02, SRT, “Right Ventricular End Diastolic pressure”)<br>$Units = DCID (3500) Pressure Units |
| 7 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32400, SRT, “Common Ventricle”) | $Measurement = EV (122194, DCM, “Ventricular Systolic blood pressure”)<br>$Units = DCID (3500) Pressure Units |
| 8 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | IFF $LocationValue selected in row 2 is (T-32400, SRT, “Common Ventricle”) | $Measurement = EV (122191, DCM, “Ventricular End Diastolic pressure”)<br>$Units = DCID (3500) Pressure Units |
| 9 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |

### TID 3508 Gradient Measurement

The Gradient Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing the gradient measurement. This implies that the name of the measurement is effectively post-coordinated from the measurement name, the Hemodynamic Measurement Group container (procedure phase) name, and the acquisition context (finding site) value.

**TID 3508**
**Gradient Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122123, DCM, “Gradient assessment”) | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | MC | XOR with Rows 3 & 4<br>IFF single location is appropriate | $LocationName = EV (G-C0E3, SRT, “Finding Site”)<br>$LocationValue = DCID (3610) Gradient Source Locations |
| 3 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | MC | XOR with Row 2<br>IFF a dual location is appropriate | $LocationName = EV (121116, DCM, “Proximal Finding Site”) |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $LocationValue = DCID (3630) Cardiovascular Anatomic Locations |
| 4 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | MC | XOR with Row 2<br>IFF a dual location is appropriate | $LocationName = EV (121117, DCM, “Distal Finding Site”)<br>$LocationValue = DCID (3630) Cardiovascular Anatomic Locations |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = EV (F-023F7, ”Pressure Gradient”)<br>$Units = DCID (3500) Pressure Units<br>$Derivation = DCID (3627) Measurement Type |
| 6 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |

**Content Item Descriptions**

Row 5, which is used to encode the gradient measurements, uses Template 300 for the content item structure of the measurements. That template allows an INFERRED FROM relationship to other numeric measurements used in the computation or derivation of the current measurement. In the case of a gradient measurement, the pressure measurements at the distal and proximal locations may thus be explicitly conveyed.

### TID 3509 Blood Velocity Measurement

The Blood Velocity Measurement template consists of a CONTAINER, with an acquisition context of the measurement anatomic site, and containing primary (not derived) velocity measurements, e.g., from a Doppler catheter. Derived velocity measurements may be recorded using TID 3560.

**TID 3509**
**Blood Velocity Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122124, DCM, “Blood velocity measurements") | 1 | M | | |
| 2 | > | | INCLUDE | DTID (3530) Hemodynamic Acquisition Context | 1 | M | | $LocationName = EV (G-C0E9, SRT, “Procedure site”)<br>$LocationValue = BCID (3606) Arterial source locations |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = DCID (3612) Blood Velocity Measurements<br>$Units = EV (mm/s, UCUM, "mm/s") |
| 4 | > | CONTAINS | INCLUDE | DTID (3550) Pressure waveform measurements | 1-n | U | | |



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### TID 3510 Vital Signs

The Vital Signs template consists of a CONTAINER containing the various vital signs measurements. These measurements may be acquired automatically from patient monitoring equipment, or may be entered based on manual measurements.

**TID 3510**
**Vital Signs**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (8716-3, LN, “Vital Signs”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-008EC, SRT, "Systolic blood pressure")<br>$Units = DCID (3500)<br>$Method = BCID (3560) Blood Pressure Methods |
| 3 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-008ED, SRT, "Diastolic blood pressure")<br>$Units = DCID (3500) |
| 4 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8867-4, LN, "Heart rate")<br>$Units = EV ("{H.B.}/min", UCUM, "BPM") |
| 5 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8310-5, LN, "Body temperature")<br>$Units = EV (Cel, UCUM, “°C”) |
| 6 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = DCID (3526) Blood gas saturation<br>$Units = EV (%, UCUM, "%") |
| 7 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV ( F-043E7, SRT, "Respiration rate")<br>$Units = EV (/min, UCUM, "breaths/min") |
| 8 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122195, DCM, "Pulse Strength")<br>$Units = DT("{0:4}", UCUM, "range 0:4") |
| 9 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-009EA, SRT, “Pain Score”)<br>$Units = DT("{1:10}", UCUM, "range 1:10") |
| 10 | > | CONTAINS | CODE | DT (8884-9, LN, "Cardiac Rhythm") | 1 | U | | BCID (3415) Cardiac Rhythms |
| 11 | > | CONTAINS | CODE | DT (9304-7, LN, "Respiration Rhythm") | 1 | U | | BCID (3416) Respiration Rhythms |



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### TID 3515 Cardiac Output Measurement by Indicator Dilution

The Cardiac Output Measurement by Indicator Dilution template consists of a CONTAINER containing the measurement and significant parameters of the technical method. If the measurement is based on a DICOM Hemodynamic Waveform SOP Instance, that object may also be referenced.

Note: Fick Cardiac Output is encoded in the Derived Hemodynamic Measurements Template 3560.

**TID 3515**
**Cardiac Output Measurement by Indicator Dilution**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (P2-34201, SRT, “Cardiac Output measurement”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | M | | $Measurement = EV (8737-9, LN, “Cardiac Output by Indicator Dilution”)<br>$Units = EV (l/min, UCUM, ”l/min”)<br>$Method = DCID (3628) Cardiac Output Methods<br>$WavePurpose = DT (121112, DCM, "Source of measurement”) |
| 3 | > | HAS ACQ CONTEXT | NUM | EV (122319, DCM, “Catheter Size”) | 1 | MC | IFF Row 2 indicates a thermal method | UNITS = DCID (3510) Catheter Size Units |
| 4 | > | HAS ACQ CONTEXT | NUM | EV (122320, DCM, “Injectate Temperature”) | 1 | MC | IFF Row 2 indicates a thermal method | UNITS = EV (Cel, UCUM, “°C”) |
| 5 | > | HAS ACQ CONTEXT | NUM | EV (122321, DCM, “Injectate Volume”) | 1 | M | | UNITS = DT (ml, UCUM, “ml”) |
| 6 | > | HAS ACQ CONTEXT | NUM | EV (122322, DCM, “Calibration Factor”) | 1 | M | | UNITS = DT (1, UCUM, “no units”) |

### TID 3516 Blood Lab Measurements

The Blood Lab Measurements template provides for the recording of measurements made on blood samples obtained during a catheterization procedure. The type and anatomic source of the blood is recorded as acquisition context. The results from the blood chemistry measurement system are quoted; the measurement names may be pre-coordinated with the type or source of the blood, or generic measurement names may be reported. In the latter case, the full measurement concept name may be effectively post-coordinated using the recorded acquisition context.

**TID 3516**
**Blood Lab Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122125, DCM, ”Blood lab measurements”) | 1 | M | | |
| 2 | > | HAS ACQ CONTEXT | CODE | EV (121042, DCM, "Specimen Type”) | 1 | M | | DCID (3520) Blood Source Type |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (G-C0E9, SRT, “Procedure site”) | 1 | M | | BCID (3630) Cardiovascular Anatomic Locations |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 4 | > | | INCLUDE | DTID (1000) Quotation | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (718-7, LN, “Hemoglobin”)<br>$Units = DT (g/dl, UCUM, "g/dl") |
| 6 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3524) Blood Gas Pressures<br>$Units = DCID (3500) |
| 7 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3525) Blood Gas Content<br>$Units = DT (ml/dl, UCUM, "ml/dl") |
| 8 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3528) Blood pH<br>$Units = EV ([pH], UCUM, "pH") |
| 9 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3526) Blood Gas Saturation<br>$Units = EV (%, UCUM, "%") |
| 10 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3527) Blood Base Excess<br>$Units = DT (meq/dl, UCUM, "meq/dl") |
| 11 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122183, DCM, "Blood temperature")<br>$Units = EV (Cel, UCUM, “°C”) |

### TID 3520 Hemodynamic Clinical Context

The Clinical Context template allows the recording of information about the patient's clinical state that may affect interpretation of the hemodynamic measurements. This Template includes several coded conditions (e.g., complications, drugs, physiological challenges, etc.), each of which may have a Concept Modifier of “Relative Time”. This Modifier indicates the temporal relationship of the hemodynamic measurements to the conditions recorded in this template. E.g., the Content Item structure:

[CONTAINER] “Post-intervention phase”
  HAS ACQ CONTEXT [CONTAINER] “Clinical Context”
    CONTAINS [CODE] “Complication” “Arrhythmia”
      HAS CONCEPT MOD [CODE] “Relative Time” “After”
  CONTAINS [CONTAINER] “Arterial Measurements”
…

conveys the semantics that this group of measurements for the post-intervention phase of a cath procedure was made after an occurrence of arrhythmia in the patient.

In the absence of a Relative Time modifier, the acquisition context is during the identified event or state.

**TID 3520**
**Hemodynamic Clinical Context**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122127, DCM, "Clinical Context") | 1 | M | | |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | > | CONTAINS | CODE | EV (109054, DCM, ”Patient State”) | 1-n | U | | BCID (3602) Hemodynamic Patient State |
| 3 | > | CONTAINS | TEXT | EV (109054, DCM, ”Patient State”) | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (DD-60002, SRT, “Complication of Procedure”)<br>$ConditionValue = DCID (3413) Adverse Outcomes |
| 5 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (122086, DCM, "Contrast administered")<br>$ConditionValue = BCID (12) Radiographic Contrast Agent |
| 6 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (122083, DCM, "Drug administered")<br>$ConditionValue = BCID (10) Interventional Drug |
| 7 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (109059, DCM, ”Physiological challenges”)<br>$ConditionValue = BCID (3271) Hemodynamic Physiological Challenges |
| 8 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (122138, DCM, "Circulatory Support")<br>$ConditionValue = DCID (3553) Circulatory Support |
| 9 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (P2-2200A, SRT, "Ventilatory assistance")<br>$ConditionValue = DCID (3554) Ventilation |
| 10 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (P2-35000, SRT, "Cardiac Pacing")<br>$ConditionValue = BCID (3555) Pacing |
| 11 | > | CONTAINS | INCLUDE | DTID (3521) Relative Time | 1-n | U | | $ConditionName = EV (P0-0000, SRT, "Procedure")<br>$ConditionValue = BCID (3405) Procedure Action Values |

**TID 3521 Relative Time**

The Relative Time template is invoked by 3520 Hemodynamic Acquisition Context template. It specifies an applicable clinical context condition and the time of the current measurements relative to that condition.

**TID 3521 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $ConditionName | Coded term for Concept Name of condition |
| $ConditionValue | Context Group for condition values |



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**TID 3521**
**Relative Time**
**Type: Non-Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | $ConditionName | 1 | M | | $ConditionValue |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-D709, SRT, "Relative time") | 1 | U | | BCID (3600) Relative times |

### TID 3530 Hemodynamic Acquisition Context

The Hemodynamic Acquisition Context template is invoked by the various hemodynamic measurement templates.

| Parameter Name | Parameter Usage |
|---|---|
| $LocationName | Coded term for Concept Name of measurement location |
| $LocationValue | Context Group for appropriate anatomic locations |

**TID 3530**
**Hemodynamic Acquisition Context**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS CONCEPT MOD | CODE | $LocationName | 1 | M | | $LocationValue |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier”) | 1 | U | | BCID (3019) Cardiovascular anatomic location modifiers |
| 3 | | HAS ACQ CONTEXT | CODE | EV (G-C036, SRT, “Measurement Method ") | 1 | U | | BCID (3241) Hemodynamic Measurement Technique |
| 4 | | HAS ACQ CONTEXT | WAVEFORM | DT (121112, DCM, "Source of measurement”) | 1 | UC | XOR Row 5 | |
| 5 | | HAS ACQ CONTEXT | TCOORD | DT (121112, DCM, "Source of measurement”) | 1 | UC | XOR Row 4 | |
| 6 | > | SELECTED FROM | WAVEFORM | | 1 | M | | |

### TID 3550 Pressure Waveform Measurements

The Pressure Waveform Measurements template is invoked by the various hemodynamic measurement templates for recording general measurements made in conjunction with the specific required measurements for that anatomic location.



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**TID 3550**
**Pressure Waveform Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3611) Pressure Measurements<br>$Units = DCID (3500) |
| 2 | | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3612) Blood Velocity Measurements<br>$Units = EV (mm/s, UCUM, "mm/s") |
| 3 | | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3613) Hemodynamic Time Measurements<br>$Units = DT (ms, UCUM, "ms") |
| 4 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-32100, SRT, "Cardiac Output")<br>$Units = EV (l/min, UCUM, "l/min") |
| 5 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, "Stroke Volume”)<br>$Units = DT (ml, UCUM, "ml") |
| 6 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (10230-1, LN, "LV Ejection Fraction")<br>$Units = EV (%, UCUM, "%") |
| 7 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8867-4, LN, "Heart rate")<br>$Units = DT ("{H.B.}/min", UCUM, "BPM") |
| 8 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV ( F-043E7, SRT, "Respiration rate")<br>$Units = DT (“/min”, UCUM, "breaths/min") |
| 9 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (109025, DCM, "Max dp/dt")<br>$Units = DT (mm[Hg]/s, UCUM, "mmHg/s") |
| 10 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (109026, DCM, "Max neg dp/dt")<br>$Units = DT (mm[Hg]/s, UCUM, "mmHg/s") |
| 11 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122190, DCM, "Max dp/dt/P")<br>$Units = DT (s-1, UCUM, "/s") |
| 12 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122192, DCM, "Indicator appearance time")<br>$Units = DT (s, UCUM, "s") |
| 13 | | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122193, DCM, "Maximum pressure acceleration")<br>$Units = DT (mm[Hg]/s2, UCUM, "mmHg/s/s") |
| 14 | | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3617) Valve Flows<br>$Units = DT (ml/min, UCUM, "ml/min") |



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### TID 3560 Derived Hemodynamic Measurements

The Derived Hemodynamic Measurements template consists of a CONTAINER containing measurements derived from one or more other measurements. These measurements are associated with a particular procedure phase, but not necessarily with a particular anatomic location.

**TID 3560**
**Derived Hemodynamic Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122126, DCM, "Derived Hemodynamic Measurements") | 1 | U | | |
| 2 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3614) Valve Areas, non-Mitral<br>$Units = EV (cm2, UCUM, "cm2")<br>$Equation = DT (122262, DCM, “Area = Flow / 44.5 * sqrt(Gradient[mmHg])”) |
| 3 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-02320, SRT, "Mitral Valve Area”)<br>$Units = EV (cm2, UCUM, "cm2")<br>$Equation = DT (122263, DCM, “MVA= Flow / 38.0 * sqrt(Gradient[mmHg])”) |
| 4 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3615) Valve Areas<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (8277-6, LN, “Body Surface Area”)<br>$Units = DT (cm2/m2, UCUM, "cm2/m2") |
| 5 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3616) Hemodynamic Period Measurements<br>$Units = DT ("s/min", UCUM, "s/min") |
| 6 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3617) Valve Flows<br>$Units = DT (ml/s, UCUM, "ml/s") |
| 7 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-32110, SRT, "Cardiac Index”)<br>$Units = DT (l/min/m2, UCUM, "l/min/m2") |
| 8 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3529) Arterial / Venous Content<br>$Units = DT (ml/dl, UCUM, "ml/dl") |
| 9 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3618) Hemodynamic Flows<br>$Units = DT (l/min, UCUM, "l/min") |
| 10 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8736-1, LN, "FICK Cardiac Output”)<br>$Units = DT (l/min, UCUM, "l/min") |
| 11 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8750-2, LN, "FICK Cardiac Index”) |



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|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $Units = DT (l/min/m2, UCUM, "l/min/m2") |
| 12 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122229, DCM, "Arteriovenous difference”)<br>$Units = DT (ml/dl, UCUM, "ml/dl") |
| 13 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = BCID (3620) Hemodynamic Ratios<br>$Units = DT (1, UCUM, "ratio") |
| 14 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122237, DCM, "Corrected Sinus Node Recovery Time”)<br>$Units = DT (ms, UCUM, "ms") |
| 15 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8861-7, LN, "Left Ventricular Stroke Work”)<br>$Units = DT (g.m, UCUM, "g.m") |
| 16 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8862-5, LN, "Right Ventricular Stroke Work”)<br>$Units = DT (g.m, UCUM, "g.m") |
| 17 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8863-3, LN, "Left Ventricular Stroke Work Index”)<br>$Units = DT (g.m/m2, UCUM, "g.m/m2") |
| 18 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (8864-1, LN, "Right Ventricular Stroke Work Index”)<br>$Units = DT (g.m/m2, UCUM, "g.m/m2") |
| 19 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122238, DCM, "Max volume normalized to 50mmHg pulse pressure”)<br>$Units = DT (ml, UCUM, "ml") |
| 20 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122239, DCM, "Oxygen Consumption”)<br>$Units = DT (ml/min, UCUM, "ml/min")<br>$Equation = BCID (3664) Oxygen Consumption Equations and Tables |
| 21 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (19217-9, LN, "Oxygen partial pressure at 50% saturation (P50)")<br>$Units = DCID (3500)<br>$Equation = BCID (3666) P50 Equations |
| 22 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (11556-8, LN, "Blood Oxygen partial pressure”)<br>$Units = DCID (3500) |
| 23 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3618) Hemodynamic Flows<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (8277-6, LN, “Body Surface Area”)<br>$Units = DT (l/min/m2, UCUM, "l/min/m2") |
| 24 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3619) Hemodynamic Resistance |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | Measurement | | | | Measurements<br>$Units = BCID (3502) Hemodynamic Resistance Units |
| 25 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3619) Hemodynamic Resistance Measurements<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (8277-6, LN, “Body Surface Area”)<br>$Units = BCID (3503) Indexed Hemodynamic Resistance Units |
| 26 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122227, DCM, "Left to Right Flow”)<br>$Units = DT (l/min, UCUM, "l/min") |
| 27 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (122228, DCM, "Right to Left Flow”)<br>$Units = DT (l/min, UCUM, "l/min") |
| 28 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, "Stroke Volume”)<br>$Units = DT (ml, UCUM, "ml") |
| 29 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (20562-5, LN, "Stroke Volume”)<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = EV (8277-6, LN, “Body Surface Area”)<br>$Units = DT (ml,/m2 UCUM, "ml/m2") |
| 30 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1 | U | | $Measurement = EV (F-042BA, SRT, "Total blood volume”)<br>$Units = DT (l, UCUM, "l") |
| 31 | > | CONTAINS | INCLUDE | TID (300) Measurement | 1-n | U | | $Measurement = DCID (3667) Framingham Scores<br>$Units = DT (%, UCUM, "%")<br>$Equation = DCID (3668) Framingham Tables |

### TID 3570 Summary, Hemodynamics

This Template allows the recording of any significant numeric measurements or findings.

**TID 3570**
**Summary, Hemodynamics**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121111, DCM, "Summary") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121111, DCM, "Summary") | 1 | U | | |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | |
| 4 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3640) Hypertension |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 5 | >> | | INCLUDE | DTID (1350) “Negation Modifier, Presence of Finding” | 1 | U | | |
| 6 | >> | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 7 | > | CONTAINS | CODE | DCID (3641) Hemodynamic Assessments | 1-n | U | | DCID (3642) Degree Findings |
| 8 | >> | HAS PROPERTIES | CODE | EV (G-C0B2, SRT, “Condition”) | 1 | U | | EV (R-102B9, SRT, “Large v-wave”) |
| 9 | > | CONTAINS | CODE | EV (121071, DCM, “Finding”) | 1 | U | | EV (R-102BA, SRT, “Diastolic pressure equalization”) |

### TID 3601 Procedure Context

The Procedure Context template describes acquisition context for measurements made or events recorded in a procedure.

**TID 3601**
**Procedure Context**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS ACQ CONTEXT | TEXT | EV (121065, DCM, "Procedure Description") | 1 | U | | Defaults to Study Description (0008,1030) of the General Study Module |
| 2 | | HAS ACQ CONTEXT | CODE | EV (G-C0E8, SRT, “Has Intent”) | 1 | U | | BCID (3629) Procedure Intent |
| 3 | | HAS ACQ CONTEXT | CODE | EV (G-C09C, SRT, “Procedure Priority”) | 1 | U | | BCID (3414) Procedure Urgency |
| 4 | | HAS OBS CONTEXT | CODE | EV (121023, DCM, ”Procedure Code”) | 1-n | U | | Defaults to Procedure Code Sequence (0008,1032) of General Study Module |

### TID 3602 Cardiovascular Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

**TID 3602**
**Cardiovascular Patient Characteristics**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121118, DCM, “Patient Characteristics”) | 1 | M | | |
| 2 | > | CONTAINS | NUM | EV (121033, DCM, | 1 | M | | Units = DCID (7456) |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | "Subject Age") | | | | Units of Measure for Age |
| 3 | > | CONTAINS | CODE | EV (121032, DCM, "Subject Sex") | 1 | M | | DCID (7455) Sex |
| 4 | > | CONTAINS | NUM | EV (8302-2, LN, "Patient Height") | 1 | M | | UNITS = EV (cm, UCUM, "cm") |
| 5 | > | CONTAINS | NUM | EV (29463-7, LN, "Patient Weight") | 1 | M | | UNITS = EV (kg, UCUM, "kg") |
| 6 | > | CONTAINS | NUM | EV (122221, DCM, "Thorax diameter, sagittal") | 1 | U | | UNITS = EV (cm, UCUM, "cm") |
| 7 | > | CONTAINS | NUM | EV (8277-6, LN, "Body Surface Area") | 1 | M | | UNITS = EV (m2, UCUM, "m^2") |
| 8 | >> | INFERRED FROM | CODE | EV (8278-4, LN, "Body Surface Area Formula") | 1 | U | | BCID (3663) Body Surface Area Equations |
| 9 | > | CONTAINS | NUM | EV (F-01860, SRT, "Body Mass Index") | 1 | U | | UNITS = EV (kg/m2, UCUM, "kg/m^2") |
| 10 | >> | INFERRED FROM | CODE | EV (121420, DCM, "Equation") | 1 | U | | DT (122265, DCM, "BMI = Wt/Ht^2") |
| 11 | > | CONTAINS | NUM | EV (8867-4, LN, "Heart Rate") | 1 | U | | UNITS = EV ("{H.B.}/min", UCUM, "BPM") |
| 12 | > | CONTAINS | NUM | EV (F-008EC, SRT, "Systolic Blood Pressure") | 1 | U | | Units = DCID (3500) |
| 13 | > | CONTAINS | NUM | EV (F-008ED, SRT, "Diastolic Blood Pressure") | 1 | U | | Units = DCID (3500) |

**TID 3603 Procedure Environmental Characteristics**

**TID 3603**
**Procedure Environmental Characteristics**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122222, DCM, "Procedure Environmental Characteristics") | 1 | M | | |
| 2 | > | CONTAINS | NUM | EV (122223, DCM, "Room oxygen concentration") | 1 | U | | UNITS = EV (%, UCUM, "%") |
| 3 | > | CONTAINS | NUM | EV (122224, DCM, "Room temperature") | 1 | U | | UNITS = EV (Cel, UCUM, "ºC") |
| 4 | > | CONTAINS | NUM | EV (122225, DCM, "Room Barometric pressure") | 1 | U | | UNITS = DT (mbar, UCUM, "millibar") |



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## ECG REPORT TEMPLATES

### TID 3700 ECG Report

The ECG Report template is the root structure for the representation of analysis of an ECG waveform, potentially in comparison to a prior ECG waveform analysis. The analyzed waveform may or may not be stored as a DICOM SOP Instance.

**TID 3700**
**ECG Report**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (28010-7, LN, “ECG Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | U | | DCID (3670) ECG Procedure Types |
| 3 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (1002) Observer Context | 1-n | M | | |
| 5 | > | CONTAINS | INCLUDE | DTID (3701) "Clinical Context, ECG" | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3702) Prior ECG Exam | 1 | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3708) ECG Waveform Information | 1 | M | | |
| 8 | > | CONTAINS | CONTAINER | EV (122144, DCM, "Quantitative Analysis") | 1 | M | | |
| 9 | >> | CONTAINS | INCLUDE | DTID (3713) Global Measurements | 1-n | U | | |
| 10 | >> | CONTAINS | INCLUDE | DTID (3714) ECG Lead Measurements | 1-n | U | | |
| 11 | > | CONTAINS | INCLUDE | DTID (3717) ECG Qualitative Analysis | 1 | U | | |
| 12 | > | CONTAINS | INCLUDE | DTID (3719) "Summary, ECG" | 1 | U | | |

### TID 3701 Clinical Context, ECG

**TID 3701**
**Clinical Context, ECG**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (122127, DCM, "Clinical Context") | 1 | U | | |
| 2 | > | CONTAINS | CODE | EV (122139, DCM, "Reason for Exam") | 1-n | U | | DCID (3671) Reason for ECG Exam |
| 3 | > | CONTAINS | TEXT | EV (122139, DCM, "Reason for Exam") | 1 | U | | |
| 4 | > | CONTAINS | CODE | EV (109054, DCM, ”Patient | 1 | U | | DCID (3262) ECG |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | State") | | | | Patient State Values |
| 5 | > | CONTAINS | CODE | EV (G-02D0, SRT, "Regular Medication") | 1-n | U | | No BCID |
| 6 | > | CONTAINS | TEXT | EV (G-02D0, SRT, "Regular Medication") | 1 | U | | |
| 7 | > | CONTAINS | CODE | EV (G-02EC, SRT, "Pacemaker in situ") | 1-n | U | | DCID (3672) Pacemakers |
| 8 | > | CONTAINS | TEXT | EV (G-02EC, SRT, "Pacemaker in situ") | 1 | U | | |
| 9 | > | CONTAINS | CODE | EV (121060, DCM, "History") | 1-n | U | | DCID (3673) Diagnosis |
| 10 | > | CONTAINS | TEXT | EV (121060, DCM, "History") | 1 | U | | |

### TID 3702 Prior ECG Exam

**TID 3702**
**Prior ECG Exam**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121066, DCM, "Prior Procedure Descriptions ") | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (122140, DCM, "Comparison with Prior Exam Done") | 1 | M | | DCID (230) Yes-No |
| 3 | > | CONTAINS | DATETIME | EV (122146, DCM, "Procedure DateTime") | 1 | U | | |
| 4 | > | CONTAINS | COMPOSITE | EV (122075, DCM, "Prior report for current patient") | 1 | U | | |
| 5 | > | CONTAINS | WAVEFORM | EV (121112, DCM, "Source of Measurement") | 1 | U | | |

### TID 3708 ECG Waveform Information

The ECG Waveform Information template provides reference to, and important parameters of, the analyzed waveform.

**TID 3708**
**ECG Waveform Information**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121064, DCM, "Current Procedure Descriptions") | 1 | M | | |
| 2 | > | CONTAINS | WAVEFORM | EV (121112, DCM, "Source of Measurement") | 1 | U | | |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (5.4.5-33-1, SCPECG [1.3], "Electrode Placement") | 1 | U | | DCID (3263) Electrode Placement Values |
| 4 | > | HAS ACQ | CODE | EV (5.4.5-33-2, SCPECG | 1 | U | | DCID (3264) XYZ |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | CONTEXT | | [1.3], “XYZ Electrode Configuration”) | | | | Electrode Placement Values |
| 5 | > | HAS ACQ CONTEXT | TEXT | EV (122142, DCM, "Acquisition Device Type") | 1 | U | | |
| 6 | > | HAS ACQ CONTEXT | TEXT | EV (121122, DCM, "Equipment Identifier") | 1 | U | | |
| 7 | > | HAS ACQ CONTEXT | INCLUDE | DTID (1003) Person Observer Identifying Attributes | 1 | U | | |
| 8 | > | HAS ACQ CONTEXT | TEXT | EV (121121, DCM, "Room Identification") | 1 | U | | |
| 9 | > | HAS ACQ CONTEXT | DATETIME | EV (122146, DCM, "Procedure DateTime") | 1 | M | | |
| 10 | > | HAS ACQ CONTEXT | NUM | EV (5.4.5-27, SCPECG [1.3], "Baseline Filter Frequency") | 1 | U | | UNITS = EV (Hz, UCUM, "Hz") |
| 11 | > | HAS ACQ CONTEXT | NUM | EV (5.4.5-28, SCPECG [1.3], "Low-Pass Filter Frequency ") | 1 | U | | UNITS = EV (Hz, UCUM, "Hz") |
| 12 | > | HAS ACQ CONTEXT | CODE | EV (5.4.5-29, SCPECG [1.3], "Filters") | 1-n | U | | DCID (3675) Other Filters |

### TID 3713 ECG Global Measurements

The ECG Global Measurements Template provides a structure for measurements calculated across the ECG waveform as a whole (multiple leads).

**TID 3713**
**ECG Global Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122158, DCM, "ECG Global Measurements") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (3715) ECG Measurement Source | 1 | U | | |
| 3 | > | CONTAINS | NUM | EV (5.10.2.5-3, SCPECG[1.3], "Atrial Heart Rate") | 1 | U | | UNITS = EV ({H.B.}/min, UCUM, "heart beats per minute") |
| 4 | > | CONTAINS | NUM | EV (5.10.2.5-1, SCPECG[1.3], "Ventricular Heart Rate") | 1 | M | | UNITS = EV ({H.B.}/min, UCUM, "heart beats per minute") |
| 5 | > | CONTAINS | NUM | EV ( F-38292, SRT, "QT Duration") | 1 | M | | UNITS = EV (ms, UCUM, "ms") |
| 6 | > | CONTAINS | NUM | EV (5.10.2.5-5, SCPECG[1.3], "QT Corrected Duration") | 1 | U | | UNITS = EV (ms, UCUM, "ms") |
| 7 | > | CONTAINS | CODE | EV (5.10.2.5-7, SCPECG[1.3], "Correction Algorithm") | 1 | U | | DCID (3678) QT Correction Algorithms |
| 8 | > | CONTAINS | NUM | EV ( F-025C5, SRT, "PR Duration") | 1 | M | | UNITS = EV (ms, UCUM, "ms") |
| 9 | > | CONTAINS | NUM | EV ( F-025C6, SRT, "QRS | 1 | M | | UNITS = EV (ms, |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | Duration") | | | | UCUM, "ms") |
| 10 | > | CONTAINS | NUM | EV (5.10.3-11, SCPECG [1.3], "P Axis") | 1 | U | | UNITS = EV (deg, UCUM, "°") |
| 11 | > | CONTAINS | NUM | EV (5.10.3-13, SCPECG [1.3], "QRS Axis") | 1 | U | | UNITS = EV (deg, UCUM, "°") |
| 12 | > | CONTAINS | NUM | EV (5.10.3-15, SCPECG [1.3], "T Axis") | 1 | U | | UNITS = EV (deg, UCUM, "°") |

### TID 3714 ECG Lead Measurements

The ECG Lead Measurements Template provides a structure for measurements calculated on individual ECG leads.

**TID 3714**
**ECG Lead Measurements**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122159, DCM, "ECG Lead Measurements") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (122148, DCM, "Lead ID") | 1 | M | | BCID (3001) ECG Leads |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (3715) ECG Measurement Source | 1 | U | | |
| 4 | > | CONTAINS | NUM | DCID (3687) Electrophysiology Waveform Durations | 1-n | U | | UNITS = EV (ms, UCUM, "ms") |
| 5 | > | CONTAINS | NUM | DCID (3688) Electrophysiology Waveform Voltages | 1-n | U | | UNITS = EV (mv, UCUM, "mv") |
| 6 | > | CONTAINS | CODE | EV (5.13.5-47, SCPECG [1.3], "T Morphology Description") | 1 | U | | DCID (3679) ECG Morphology Descriptions |
| 7 | > | CONTAINS | CODE | EV (5.13.5-45, SCPECG [1.3], "P Morphology Description") | 1 | U | | DCID (3679) ECG Morphology Descriptions |
| 8 | > | CONTAINS | NUM | EV (5.13.5-43, SCPECG [1.3], "ST Slope") | 1 | U | | UNITS = EV (uV/s, UCUM, "uV/s ") |
| 9 | > | CONTAINS | CODE | DCID (3680) ECG Lead Noise Descriptions | 1-n | U | | DCID (3681) ECG Lead Noise Modifiers |



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### TID 3715 ECG Measurement Source

The ECG Measurement Source Template provides a structure for identifying the particular cardiac cycle, or beat, in an analyzed ECG waveform used for the measurement group for which this template provides Observation Context. The cardiac cycle is identified by beat number, and optionally by specific temporal coordinates within a DICOM ECG waveform SOP Instance.

**TID 3715**
**ECG Measurement Source**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | EV (122149, DCM, "Beat Number") | 1 | U | | Up to three numeric characters |
| 2 | | | CODE | EV (G-C036, SRT, "Measurement Method") | 1 | U | | DCID (3676) Lead Measurement Technique |
| 3 | | | TCOORD | EV (121112, DCM, "Source of measurement") | 1 | U | | |
| 4 | > | SELECTED FROM | WAVEFORM | | 1 | U | | |

#### Content Item Descriptions

Row 1 Beat Number is specified as a numeric text string, and shall be treated as the ordinal of the beat (cardiac cycle) within the waveform acquisition for this lead that was analyzed for the measurements in this container (i.e., “1” for the first beat, “2” for the second, etc.). If absent, the measurements may have been made by a technique across multiple cycles as specified in Row 2 Measurement Method.

Rows 3 and 4 Source of measurement identify the specific channel and time period within a DICOM ECG Waveform SOP Instance that was analyzed for the measurements in this container.

### TID 3717 ECG Qualitative Analysis

The ECG Qualitative Analysis template allows a free text qualitative interpretation of the analyzed ECG, as well as a structure for a coded analysis.

**TID 3717**
**Qualitative Analysis, ECG**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (122145, DCM, "Qualitative Analysis") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (122147, DCM, "Clinical Interpretation") | 1 | M | | |
| 3 | > | CONTAINS | CONTAINER | EV (122150, DCM, "Compound Statement") | 1-n | U | | |
| 4 | >> | CONTAINS | INCLUDE | DTID (3718) ECG Interpretive Statement | 1-n | U | | |

#### Content Item Descriptions

Row 3 Interpretive Statement is a container for one or more coded statements, defined in Template 3718. This container will typically have the Continuity of Content (0040,A050) flag set to CONTINUOUS, as



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multiple interpretive statements in one container may be linked by conjunctive terms, and should be understood as a continuous semantic unit.

### TID 3718 ECG Interpretive Statement

The ECG Interpretive Statement template provides a structure for an atomic coded interpretation of an ECG, optionally followed by a conjunctive term to another interpretation coded in a subsequent invocation of this template.

**TID 3718**
**ECG Interpretive Statement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (122151, DCM, "Trend") | 1 | U | | DCID (3684) Trend |
| 2 | > | HAS CONCEPT MOD | CODE | EV (122157, DCM, "Probability") | 1 | U | | DCID (3682) Probability |
| 3 | | | CODE | EV (122152, DCM, "Statement") | 1 | M | | DCID (3686) ECG Interpretive Statements |
| 4 | > | HAS CONCEPT MOD | CODE | EV (122153, DCM, "Statement Modifier") | 1 | U | | DCID (3683) Modifiers |
| 5 | | | CODE | EV (122154, DCM, "Conjunctive Term") | 1 | U | | DCID (3685) Conjunctive Terms |

### TID 3719 Summary, ECG

**TID 3719**
**Summary, ECG**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121111, DCM, "Summary") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121111, DCM, "Summary") | 1 | U | | |
| 3 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1 | U | | DCID (3677) Summary Codes ECG |



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## CATH LAB CLINICAL REPORT TEMPLATES

The templates that comprise the Cardiac Catheterization Report are interconnected as shown in Figure A-7.

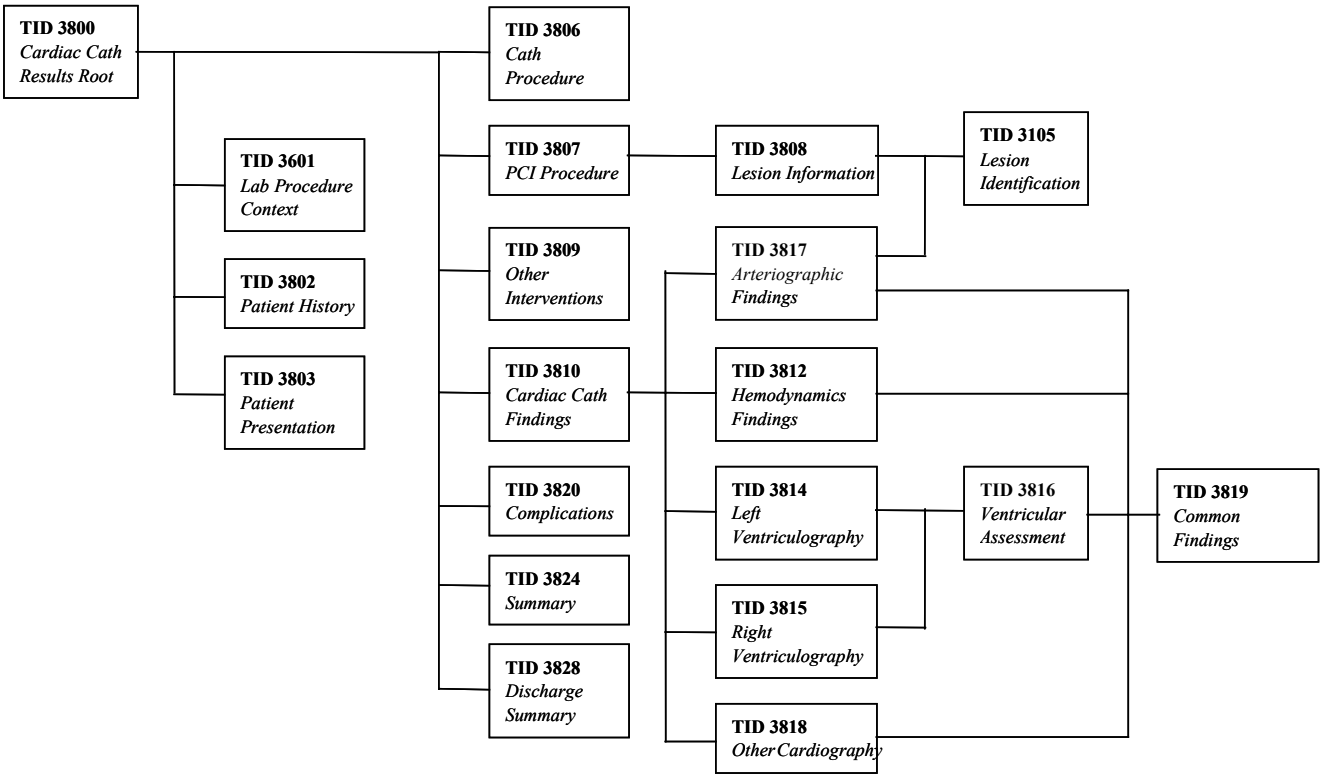


**Figure A-7 Cardiac Catheterization Report Template Hierarchy**

Note: The figure shows the relationship of templates; it does not show the structural hierarchy of Content Items in the IOD.

### TID 3800 Cardiac Catheterization Report Root

The Cardiac Cath Report provides the overall clinical results of the catheterization procedure and interventions. In many cases, more detailed information is optionally available in other reports (Hemodynamic Measurements, Procedure Log, etc.). That information is collected and summarized here (and referenced when available).

When a Discharge Summary section (row 12) is included, this report template covers the full set of information required for submission to the ACC NCDR™ (version 2.0) registry.

Notes: 1. The information required for such a submission must sometimes be reformatted from a single concept in these templates to two data elements for the registry, or vice versa.
2. This Template is expected to be used with the Basic Text SR or Enhanced SR IOD.
3. This Cardiac Cath Report template is a baseline template within these SOP Classes that may be



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replaced; it is therefore in no sense binding for exchange of this type of report. It is solely an example of a possible encoding of the Cardiac Cath Report.

**TID 3800**
**Cardiac Catheterization Report Root**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (18745-0, LN, "Cardiac Catheterization Report") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DCID (3739) Cath Procedure Type |
| 3 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 4 | > | | INCLUDE | DTID (3601) Procedure Context | 1 | M | | |
| 5 | > | CONTAINS | INCLUDE | DTID (3802) "Cardiovascular Patient History" | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3803) "Patient Presentation, Cath" | 1 | M | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3806) Cath Procedure | 1 | M | | |
| 8 | > | CONTAINS | INCLUDE | DTID (3810) Cardiac Catheterization Findings | 1 | M | | |
| 9 | > | CONTAINS | INCLUDE | DTID (3807) Percutaneous Coronary Intervention Procedure | 1 | U | | |
| 10 | > | CONTAINS | INCLUDE | DTID (3809) Other Interventional Procedures | 1-n | U | | |
| 11 | > | CONTAINS | INCLUDE | DTID (3820) "Adverse Outcomes, Cath" | 1 | M | | |
| 12 | > | CONTAINS | INCLUDE | DTID (3824) "Summary, Cath" | 1 | M | | |
| 13 | > | CONTAINS | INCLUDE | DTID (3828) "Discharge Summary, Cath" | 1 | U | | |

### TID 3802 Cardiovascular Patient History

This template contains information about a cardiovascular patient’s past medical history. This information is considered to have some degree of “persistence” across different episodes.

**TID 3802**
**Cardiovascular Patient History**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121060, DCM, "History") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121060, DCM, "History") | 1 | U | | |
| 3 | > | CONTAINS | CODE | DCID (3721) Cath Patient History | 1-n | U | | DCID (230) Yes-No |
| 4 | > | CONTAINS | CODE | DCID (3756) Cath Patient Risk Factors | 1-n | U | | DCID (240) Present-Absent |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 5 | > | CONTAINS | DATE | DCID (3720) Cardiac History Dates | 1-n | U | | |
| 6 | > | CONTAINS | CODE | EV (36, NCDR [2.0b], "Previous Myocardial Infarction, > 1 week prior") | 1 | U | | DCID (230) Yes-No |
| 7 | >> | HAS PROPERTIES | CODE | DT (122170, DCM, "Type of Myocardial Infarction") | 1 | U | | DCID (3723) MI Types |
| 8 | > | CONTAINS | CODE | EV (31.1, NCDR [2.0b], "Diabetic Therapy") | 1 | U | | DCID (3722) Diabetic Therapy |
| 9 | > | CONTAINS | CODE | EV (39.1, NCDR [2.0b], "Lipid Lowering Therapy") | 1 | U | | DCID (230) Yes-No |
| 10 | > | CONTAINS | CODE | EV (38, NCDR [2.0b], "Smoking History") | 1 | U | | DCID (3724) Smoking History |
| 11 | > | CONTAINS | COMPOSITE | EV (122075, DCM, "Prior report for current patient") | 1-n | U | | |
| 12 | >> | HAS PROPERTIES | CODE | EV (121144, DCM, "Document Title") | 1 | U | | |
| 13 | > | CONTAINS | CONTAINER | DT (10160-2, LN, "History of Medications") | 1 | U | | |
| 14 | >> | CONTAINS | TEXT | DT (111516, DCM, "Medication Type") | 1-n | U | | |
| 15 | >>> | HAS PROPERTIES | CODE | EV (111528, DCM, "Ongoing") | 1 | U | | DCID (230) Yes-No |
| 16 | >> | CONTAINS | CODE | DT (111516, DCM, "Medication Type") | 1-n | U | | |
| 17 | >>> | HAS PROPERTIES | NUM | DT (G-C0B7, SRT, "Dosage") | 1 | U | | |
| 18 | >>> | HAS PROPERTIES | CODE | EV (111528, DCM, "Ongoing") | 1 | U | | DCID (230) Yes-No |

**TID 3803 Patient Presentation, Cath**

This template describes the aspects of the patient that are specific to this clinical presentation (admission).

**TID 3803**
**Patient Presentation, Cath**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121110, DCM, "Patient Presentation") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (122128, DCM, "Patient Transferred From") | 1 | U | | |
| 3 | > | CONTAINS | DATETIME | EV (15, NCDR [2.0b], "Admission Date/Time") | 1 | U | | |
| 4 | > | CONTAINS | CODE | EV (17, NCDR [2.0b], "Admission Status") | 1 | U | | DCID (3729) Admission Status |
| 5 | > | CONTAINS | CODE | EV (18, NCDR [2.0b], "Insurance Payor Type") | 1 | U | | DCID (3730), Insurance Payor |
| 6 | > | CONTAINS | CODE | EV (46, NCDR [2.0b], "Congestive Heart Failure Prior to Procedure") | 1 | U | | DCID (230) Yes-No |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 7 | > | CONTAINS | CODE | EV (47, NCDR [2.0b], "NYHA Classification") | 1 | UC | IFF Row 6 Value code meaning is <yes> | DCID (3736) NYHA Classification |
| 8 | > | CONTAINS | CODE | EV (48, NCDR [2.0b], "Noninvasive Testing - Ischemia") | 1 | U | | DCID (3737) Non-Invasive Test - Ischemia |
| 9 | > | CONTAINS | CODE | EV (49, NCDR [2.0b], "Pre-Cath Angina Type") | 1 | U | | DCID (3738) Pre-Cath Angina Type |
| 10 | > | CONTAINS | CODE | EV (50, NCDR [2.0b], "Pre-Cath Canadian Classification") | 1 | U | | DCID (3719) Canadian Clinical Classification |
| 11 | > | CONTAINS | CODE | EV (51, NCDR [2.0b], "Acute Coronary Syndrome Time Period") | 1 | UC | IFF Row 9 Value code meaning is <ACS> | DCID (3735) Acute Coronary Syndrome Time Period |
| 12 | > | CONTAINS | CONTAINER | EV (121109, DCM, "Indications for Procedure") | 1 | U | | |
| 13 | >> | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3727) Indications for Catheterization |
| 14 | > | CONTAINS | NUM | EV (10230-1, LN, "LV Ejection Fraction") | 1-n | U | | Units = EV (%, UCUM, "%") |
| 15 | >> | HAS CONCEPT MOD | CODE | EV (G-C036, SRT, "Measurement method") | 1 | U | | DCID (3744) EF Testing Method |
| 16 | >> | | INCLUDE | DTID (1000) Quotation | 1 | U | | |
| 17 | > | CONTAINS | CODE | EV (121069, DCM, “Previous Finding”) | 1-n | U | | DCID (3700) Cath Diagnosis |
| 18 | > | CONTAINS | TEXT | EV (121110, DCM, "Patient Presentation") | 1 | U | | |

**TID 3806 Cath Procedure**

This template describes the patient-related information about this specific clinical encounter (catheterization).

**TID 3806**
**Cath Procedure**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121064, DCM, "Current Procedure Descriptions") | 1 | M | | |
| 2 | > | CONTAINS | DATETIME | EV (52, NCDR [2.0b], "Procedure DateTime") | 1 | M | | |
| 3 | > | CONTAINS | TEXT | EV (53, NCDR [2.0b], "Procedure Number in this admission") | 1 | U | | Up to three numeric characters |
| 4 | > | CONTAINS | TEXT | EV (121065, DCM, "Procedure Description") | 1 | U | | |
| 5 | > | CONTAINS | COMPOSITE | EV (121120, DCM, "Cath Lab Procedure Log") | 1-n | U | | |
| 6 | > | CONTAINS | NUM | EV (55, NCDR [2.0b], "Fluoroscopy Time") | 1 | U | | UNITS = DT (min, UCUM, "min") |
| 7 | > | CONTAINS | NUM | EV (122130, DCM, "Dose Area Product") | 1 | U | | UNITS = DT (mGycm2, UCUM, "mGycm2") |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 8 | > | CONTAINS | PNAME | EV (76, NCDR [2.0b], "Catheterization Operator") | 1 | M | | |
| 9 | > | CONTAINS | PNAME | EV (121088, DCM, "Fellow") | 1-n | U | | |
| 10 | > | CONTAINS | PNAME | BCID (7453) Performing Roles | 1-n | U | | |
| 11 | > | CONTAINS | CODE | EV (122129, DCM, "PCI during this procedure") | 1 | U | | DCID (230) Yes-No |
| 12 | > | CONTAINS | CONTAINER | EV (F-04460, "Medication Given") | 1 | M | | |
| 13 | >> | CONTAINS | CODE | EV (57, NCDR [2.0b], "Thrombolytics") | 1 | U | | DCID (3740) Thrombolytic Administration |
| 14 | >> | CONTAINS | CODE | EV (58, NCDR [2.0b], "IIb/IIIa Blockade") | 1 | U | | DCID (3741) Medication Administration, Lab Visit |
| 15 | >> | CONTAINS | CODE | EV (59, NCDR [2.0b], "Heparin") | 1-n | U | | DCID (3742) Medication Administration, PCI |
| 16 | >> | CONTAINS | CODE | EV (60, NCDR [2.0b], "Aspirin") | 1 | U | | DCID (3741) Medication Administration, Lab Visit |
| 17 | >> | CONTAINS | CODE | EV (61, NCDR [2.0b], "Clopidogrel/Ticlopidine") | 1 | U | | DCID (3743) Clopidogrel/Ticlopidine Administration |
| 18 | >> | CONTAINS | TEXT | EV (122083, DCM, “Drug administered”) | 1-n | U | | |
| 19 | > | CONTAINS | CODE | EV (122138, DCM, "Circulatory Support") | 1-n | U | | DCID (3553) Circulatory Support |
| 20 | > | CONTAINS | CODE | EV (74, NCDR [2.0b], "Percutaneous Entry Site") | 1 | M | | DCID (3746) Percutaneous Entry |
| 21 | > | CONTAINS | CODE | EV (75, NCDR [2.0b], "Closure Device") | 1 | U | | DCID (3747) Percutaneous Closure |

### Content Item Descriptions

Row 3 Procedure Number (this admission) is specified as a numeric text string, and shall be treated as the ordinal of this catheterization procedure within the admission (i.e., “1” for the first catheterization, “2” for the second, etc.).

## TID 3807 Percutaneous Coronary Intervention Procedure

This template describes the various aspects of a coronary intervention.

**TID 3807**
**Percutaneous Coronary Intervention Procedure**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121064, DCM, "Current Procedure Descriptions") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (122061, DCM, “Percutaneous Coronary Intervention”) |
| 3 | > | CONTAINS | PNAME | EV (121114, DCM, "Performing Physician") | 1 | M | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 4 | > | CONTAINS | PNAME | EV (121088, DCM, "Fellow") | 1-n | U | | |
| 5 | > | CONTAINS | PNAME | DCID (7452) Organizational Roles | 1-n | U | | |
| 6 | > | CONTAINS | CODE | EV (G-C09C, SRT, “Procedure Priority”) | 1 | M | | DCID (3414) Procedure Urgency |
| 7 | > | CONTAINS | CONTAINER | EV (121109, DCM, "Indications for Procedure") | 1 | U | | |
| 8 | >> | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3726) Indications for Coronary Intervention |
| 9 | >> | CONTAINS | CODE | EV (122172, DCM, "Acute MI Present") | 1 | U | | DCID (230) Yes-No |
| 10 | >>> | HAS PROPERTIES | CODE | DT (122170, DCM, “Type of Myocardial Infarction”) | 1 | U | | DCID (3723) MI Types |
| 11 | >>> | HAS PROPERTIES | DATETIME | EV (122173, DCM, "ST Elevation Onset Datetime") | 1 | U | | |
| 12 | >> | CONTAINS | TEXT | EV (121071, DCM, "Finding") | 1-n | U | | |
| 13 | > | CONTAINS | NUM | EV (122175, DCM, "Number of lesion interventions attempted") | 1 | M | | UNITS = (1, UCUM, "units") |
| 14 | > | CONTAINS | NUM | EV (122176, DCM, "Number of lesion interventions successful") | 1 | M | | UNITS = (1, UCUM, "units") |
| 15 | > | CONTAINS | CODE | EV (122177, DCM, "Procedure Result") | 1 | M | | DCID (3749) PCI Procedure Result |
| 16 | > | CONTAINS | TEXT | EV (122177, DCM, "Procedure Result") | 1 | U | | |
| 17 | > | CONTAINS | INCLUDE | DTID (3808) Lesion Intervention Information | 1-n | M | | |

**Content Item Descriptions**

Rows 8 and 12 allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.

Similarly, rows 15 and 16 allow the recording of procedure results as either codes or as text, but not as both.

**TID 3808 Lesion Intervention Information**

**TID 3808**
**Lesion Intervention Information**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122178, DCM, "Lesion Intervention Information") | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (3105) Lesion Identification and Properties | 1 | M | | |
| 3 | > | CONTAINS | CODE | EV (108, NDR [2.0b, "Previous Dilation") | 1 | U | | DCID (3750) Previously Dilated Lesion |
| 4 | > | CONTAINS | CODE | EV (103, NDR [2.0b], “Guidewire crossing lesion") | 1 | U | | DCID (3752) Guidewire Crossing |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 5 | > | CONTAINS | CODE | EV (G-C50A, SRT, "Uses Equipment") | 1-n | M | | DCID (3411) Coronary Intervention Devices |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (122111, DCM, "Primary Intervention Device") | 1 | MC | IF Device is Primary for this Lesion | DCID (230) Yes-No |
| 7 | >> | HAS PROPERTIES | TEXT | EV (121145, DCM, "Description of Material") | 1 | U | | |
| 8 | >> | HAS PROPERTIES | NUM | DCID (3423) Numeric Device Characteristics | 1-n | U | | |
| 9 | >> | HAS PROPERTIES | NUM | DCID (3425) Intervention Parameters | 1-n | U | | |
| 10 | >> | HAS PROPERTIES | DATETIME | EV (122105, DCM, "DateTime of Intervention") | 1 | U | | |
| 11 | >> | HAS PROPERTIES | NUM | EV (122106, DCM, “Duration of Intervention”) | 1 | U | | UNITS = EV (s, UCUM, “s”) |
| 12 | > | CONTAINS | NUM | (R-101BB, SRT, “Lumen Diameter Stenosis”) | 1 | M | | UNITS = EV (%, UCUM, "%") |
| 13 | >> | HAS CONCEPT MOD | CODE | EV (G-72BB, SRT, “Catheterization Procedure Phase”) | 1 | M | | EV (G-7298, SRT, “Post-intervention Phase”) |
| 14 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | U | | DCID (3745) Calculation Method |
| 15 | >> | | INCLUDE | DTID (1000) Quotation | 1 | U | | |
| 16 | > | CONTAINS | CODE | EV (122110, DCM, "Post-Intervention TIMI Flow") | 1 | U | | DCID (3713) TIMI Flow Characteristics |
| 17 | > | CONTAINS | CODE | EV (115, NCDR [2.0b], "Dissection in segment observed") | 1 | U | | DCID (230) Yes-No |
| 18 | > | CONTAINS | CODE | EV (116, NCDR [2.0b], "Acute closure observed") | 1 | U | | DCID (230) Yes-No |
| 19 | > | CONTAINS | CODE | EV (117, NCDR [2.0b], "Acute closure re-opened") | 1 | UC | IFF Row 18 value is <yes> | DCID (230) Yes-No |
| 20 | > | CONTAINS | CODE | EV (118, NCDR [2.0b], "Perforation occurred") | 1 | U | | DCID (230) Yes-No |
| 21 | > | CONTAINS | IMAGE | DT (121080, DCM, "Best illustration of finding" | 1 | U | | |
| 22 | > | CONTAINS | TEXT | DT (122177, DCM, "Procedure Result") | 1 | U | | |

**TID 3809 Other Interventional Procedures**

**TID 3809**
**Other Interventional Procedures**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121064, DCM, "Current Procedure Descriptions") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | BCID (3406) Non-Coronary Transcatheter Interventions |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 3 | > | CONTAINS | TEXT | EV (121065, DCM, "Procedure Description") | 1 | U | | |
| 4 | > | CONTAINS | CODE | DT (121065, DCM, "Procedure Description") | 1 | U | | No BCID |
| 5 | > | CONTAINS | TEXT | DT (122177, DCM, "Procedure Result") | 1 | U | | |

**Content Item Descriptions**

Rows 3 and 4 allow the recording of procedure description as either code or as text; the same description shall not be recorded as both.

### TID 3810 Cardiac Catheterization Findings

The Cardiac Catheterization Findings Template provides the structure for the diagnostic findings of the cath procedure, organized into sub-sections based on type of sub-procedure. It also provides for top-level summary findings and diagnoses.

**TID 3810**
**Cardiac Catheterization Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (3812) Hemodynamic Findings | 1 | U | | |
| 3 | > | CONTAINS | INCLUDE | DTID (3817) Coronary Arteriography Findings | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3814) Left Ventriculography Findings | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID (3815) Right Ventriculography Findings | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3818) Other Cardiographic Findings | 1-n | U | | |
| 7 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3700) Cath Diagnosis |
| 8 | >> | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 9 | > | CONTAINS | TEXT | EV (121071, DCM, "Finding") | 1-n | U | | |

**Content Item Descriptions**

Rows 7 and 9 allow the recording of findings as either codes or as text; the same finding shall not be recorded as both.



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### TID 3812 Hemodynamic Findings

**TID 3812**
**Hemodynamic Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (PA-50030, SRT, "Hemodynamic measurements") |
| 3 | > | CONTAINS | CODE | EV (121071, DCM, “Finding”) | 1-n | U | | DCID (3640) Hypertension |
| 4 | >> | | INCLUDE | DTID (1350) “Negation Modifier, Presence of Finding” | 1 | U | | |
| 5 | >> | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 6 | > | CONTAINS | CODE | DCID (3641) Hemodynamic Assessments | 1-n | U | | DCID (3642) Degree Findings |
| 7 | >> | HAS PROPERTIES | CODE | EV (G-C0B2, SRT, “Condition”) | 1 | U | | EV (R-102B9, SRT, “Large v-wave”) |
| 8 | > | CONTAINS | CODE | EV (121071, DCM, “Finding”) | 1 | U | | EV (R-102BA, SRT, “Diastolic pressure equalization”) |
| 9 | > | CONTAINS | INCLUDE | DTID (3819) Common Findings | 1-n | U | | $Report = DT (122120, DCM, “Hemodynamics Report”) |

#### Content Item Descriptions

Row 4 (through DTID 3819 Common Findings Template) may be used to encode any significant hemodynamic numeric measurements. For reference, see Templates 3550 Pressure Waveform Measurements, and 3560 Derived Hemodynamic Measurements.

### TID 3814 Left Ventriculography Findings

The information contained here about the left ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report. This template addresses findings about any ventricular septal defect (Row 7), the myocardial wall (Row 11), and about the aortic root (Row 16).

**TID 3814**
**Left Ventriculography Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (P5-30041, SRT, "Left Ventriculography") |
| 3 | > | CONTAINS | CODE | EV ( F-30117, SRT, “Left Ventricular Function - | 1 | M | | DCID (242) Normal-Abnormal |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | Finding") | | | | |
| 4 | > | | INCLUDE | TID (300) Measurement | 1 | M | | $Measurement = EV (10230-1, LN, "LV Ejection Fraction")<br>$Units = EV (%, UCUM, "%")<br>$Method = DCID (3748) Angiographic EF Testing Method<br>$Derivation = DCID (3745) Calculation Method |
| 5 | > | CONTAINS | CODE | EV (F-0224E, SRT, "Left Ventricular Cavity Size") | 1 | U | | DCID (3705) Chamber Size |
| 6 | > | CONTAINS | CODE | EV (F-02225, SRT, "Left Ventricular Contractility") | 1 | U | | DCID (3706) Overall Contractility |
| 7 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1 | U | | EV (D4-31159, SRT, "Ventricular Septal Defect") |
| 8 | >> | HAS PROPERTIES | CODE | EV (G-C504, SRT, "Associated Morphology") | 1 | U | | DCID (3707) VSD Description |
| 9 | > | CONTAINS | INCLUDE | DTID (3816) Ventricular Assessment | 1 | U | | |
| 10 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | U | | |
| 11 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-D0772, SRT, ”Myocardial Wall”) |
| 12 | >> | CONTAINS | CODE | EV (LN, 18179-2, "Wall Segment”) | 1-n | M | | BCID (3717) Myocardial Wall Segments |
| 13 | >>> | HAS PROPERTIES | CODE | EV (F-32050, SRT, ”Cardiac Wall Motion”) | 1 | M | | DCID (3703) Wall Motion |
| 14 | >>> | HAS PROPERTIES | CODE | EV (G-C504, SRT, "Associated Morphology") | 1 | U | | DCID (3704) Myocardium Wall Morphology Findings |
| 15 | >>> | HAS PROPERTIES | NUM | DT (G-C1E3, SRT, “Score”) | 1 | U | | |
| 16 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | U | | |
| 17 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (F-04403, SRT, "Aortic Root") |
| 18 | >> | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | M | | DCID (3709) Aortic Root Description |

### TID 3815 Right Ventriculography Findings

The information contained here about right ventricle is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Ventricular Analysis report.

**TID 3815**
**Right Ventriculography Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (P5-3003F, SRT, "Right Ventriculography") |
| 3 | > | | INCLUDE | TID (300) Measurement | 1 | M | | $Measurement = EV (10231-9, LN, "RV Ejection Fraction"))<br>$Units = EV (%, UCUM, "%")<br>$Method = DCID (3748) Angiographic EF Testing Method<br>$Derivation = DCID (3745) Calculation Method |
| 4 | > | CONTAINS | CODE | EV (F-022A1, SRT, "Right Ventricular Cavity Size") | 1 | U | | DCID (3705) Chamber Size |
| 5 | > | CONTAINS | CODE | EV (F-0227A, "Right Ventricular Contractility") | 1 | U | | DCID (3706) Overall Contractility |
| 6 | > | CONTAINS | INCLUDE | DTID (3816) Ventricular Assessment | 1 | U | | |

### TID 3816 Ventricular Assessment

**TID 3816**
**Ventricular Assessment**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | U | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DCID (3701) Cardiac Valves and Tracts |
| 3 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | M | | DCID (3711) Valvular Abnormalities |
| 4 | >> | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 5 | >> | HAS PROPERTIES | NUM | DT (G-C1E3, SRT, “Score”) | 1 | U | | |
| 6 | | CONTAINS | INCLUDE | DTID (3819) Common Findings | 1-n | U | | $Report = DT (122292, DCM, “Quantitative Ventriculography Report”) |

### TID 3817 Coronary Arteriography Findings

The information contained here about with regards to coronary artery lesions is relatively qualitative in nature. It is a high-level summary of the more detailed information that may be contained in an optional Quantitative Coronary Arteriography report. This template addresses findings about the individual arteries (Row 4), and about individual lesions (Row 9).



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**TID 3817**
**Coronary Arteriography Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (P5-30100, SRT, "Coronary Arteriography") |
| 3 | > | CONTAINS | CODE | EV (68, NCDR[2.0b], "Coronary Dominance") | 1 | U | | DCID (3710) Coronary Dominance |
| 4 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | U | | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | BCID (3015) Coronary Arteries |
| 6 | >>> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical modifier”) | 1 | U | | BCID (3019) Cardiovascular Anatomic Location Modifiers |
| 7 | >> | CONTAINS | CODE | EV (122134, DCM, "Vessel Morphology") | 1-n | U | | DCID (3712) Vessel Descriptors |
| 8 | >> | CONTAINS | INCLUDE | DTID (3819) Common Findings | 1-n | U | | |
| 9 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | U | | |
| 10 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”") | 1 | M | | DT (R-002EF, SRT, "Coronary artery lesion (culprit)") |
| 11 | >> | CONTAINS | INCLUDE | DTID (3105) Lesion Identification and Properties | 1 | M | | |
| 12 | >> | CONTAINS | INCLUDE | DTID (3819) Common Findings | 1-n | U | | $Report = DT (122291, DCM, “Quantitative Arteriography Report”) |

**TID 3818 Other Cardiographic Findings**

**TID 3818**
**Other Cardiographic Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | BCID (3428) Imaging Procedures |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | U | | BCID (3630) Cardiovascular Anatomic Locations |
| 4 | > | CONTAINS | INCLUDE | DTID (3819) Common Findings | 1-n | M | | |



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## TID 3819 Common Findings

**TID 3819 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Report | Title of composite object (evidence document) referenced |

**TID 3819**
**Common Findings**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | EV (121071, DCM, "Finding") | 1 | U | | |
| 2 | | | IMAGE | DT (121080, DCM, "Best illustration of finding") | 1 | U | | |
| 3 | | | NUM | No BCID | 1 | U | | |
| 4 | > | | INCLUDE | DTID (1000) Quotation | 1 | U | | |
| 5 | | | COMPOSITE | DT (122073, DCM, "Current procedure evidence") | 1 | U | | |
| 6 | > | HAS PROPERTIES | CODE | EV (121144, DCM, “Document Title") | 1 | U | | $Report |

### Content Item Descriptions

Row 3 may be used to encode any significant image- or waveform-based numeric measurements, with post-coordination of the Concept Name using child Content Items (with relationship HAS CONCEPT MOD), as permitted by Section 6.2.4. The source of the measurement may be noted using the Quotation Template in Row 4.

## TID 3820 Adverse Outcomes, Cath

**TID 3820**
**Adverse Outcomes, Cath**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121113, DCM, "Complications") | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (DD-60002, SRT, "Complication of Procedure") | 1-n | U | | DCID (3755) Cath Complications |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-D709, SRT, "Relative Time”) | 1 | U | | DCID (12102) Temporal Periods Relating to Procedure or Therapy |
| 4 | > | CONTAINS | CODE | EV (DD-60002, SRT, "Complication of Procedure") | 1-n | U | | DCID (3754) Vascular Complications |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-D709, SRT, "Relative Time”) | 1 | U | | DCID (12102) Temporal Periods Relating to Procedure |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | MOD | | | | | | or Therapy |
| 6 | > | CONTAINS | TEXT | EV (DD-60002, SRT, "Complication of Procedure") | 1-n | U | | |
| 7 | > | CONTAINS | CODE | EV (122179, DCM, "Peri-procedural MI occurred") | 1 | U | | DCID (230) Yes-No |
| 8 | >> | INFERRED FROM | NUM | EV (122181, DCM, "CK-MB peak") | 1 | U | | UNITS = EV ([iU], UCUM, "International unit") |
| 9 | >>> | HAS PROPERTIES | NUM | EV (R-0038B, SRT, "Normal Range Upper Limit") | 1 | M | | UNITS = EV ([iU], UCUM, "International unit") |
| 10 | >> | INFERRED FROM | NUM | EV (122180, DCM, "CK-MB baseline") | 1 | M | | UNITS = EV ([iU], UCUM, "International unit") |
| 11 | > | CONTAINS | IMAGE | DT (121080, DCM, "Best illustration of finding" | 1-n | U | | |

**Content Item Descriptions**

Rows 2, 3 and 4 allow the recording of outcomes as either codes or as text; the same outcome shall not be recorded as both.

**TID 3824 Summary, Cath**

**TID 3824**
**Summary, Cath**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121111, DCM, "Summary") | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | U | | DCID (3728) Cath Findings |
| 3 | >> | HAS PROPERTIES | CODE | EV (G-C197, SRT, "Severity") | 1 | U | | DCID (3716) Severity |
| 4 | > | CONTAINS | TEXT | EV (121111, DCM, "Summary") | 1 | U | | |
| 5 | > | CONTAINS | TEXT | EV (121075, DCM, "Recommendation") | 1-n | U | | |

**TID 3828 Discharge Summary, Cath**

**TID 3828**
**Discharge Summary, Cath**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121115, DCM, "Discharge Summary") | 1 | M | | |
| 2 | > | CONTAINS | DATETIME | EV (122163, DCM, "Discharge DateTime") | 1 | U | | |



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| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 3 | > | CONTAINS | CODE | EV (122164, DCM, "Coronary Artery Bypass During This Admission") | 1 | U | | DCID (230) Yes-No |
| 4 | >> | HAS PROPERTIES | CODE | EV (G-C09C, SRT, “Procedure Priority”) | 1 | U | | BCID (3414) Procedure Urgency |
| 5 | >> | HAS PROPERTIES | DATETIME | EV (122146, DCM, "Procedure Datetime") | 1 | U | | |
| 6 | > | CONTAINS | CODE | EV (122166, DCM, "Death During This Admission") | 1 | U | | DCID (230) Yes-No |
| 7 | >> | HAS PROPERTIES | DATETIME | EV (122165, DCM, "Date of Death") | 1 | U | | |
| 8 | >> | HAS PROPERTIES | CODE | EV (25, NCDR [2.0b], "Primary Cause of Death") | 1 | U | | DCID (3733) Primary Cause of Death |
| 9 | >> | HAS PROPERTIES | CODE | EV (122167, DCM, “Death During Catheterization") | 1 | U | | DCID (230) Yes-No |
| 10 | > | CONTAINS | TEXT | EV (121111, DCM, "Summary") | 1 | U | | |



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## CT/MR CARDIOVASCULAR ANALYSIS REPORT TEMPLATES

### TID 3900 CT/MR Cardiovascular Analysis Report

Root Template of the Non-invasive Computed Tomography and Magnetic Resonance Cardiovascular Analysis Report.

This template contains the top level structure and includes sub-templates for the various analyses.

**TID 3900**
**CT/MR Cardiovascular Analysis Report**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (122600, DCM, “Cardiovascular Analysis Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(121058, DCM, "Procedure Reported") | 1-n | M | | DCID(3820) Non-invasive Vascular Procedures |
| 3 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 4 | > | HAS OBS CONTEXT | INCLUDE | DTID (1001) Observation Context | 1 | M | | |
| 5 | > | CONTAINS | INCLUDE | DTID (3602) Cardiovascular Patient Characteristics | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (3802) Patient History, Cardiovascular | 1 | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3901) Procedure Summary | 1 | U | | |
| 8 | > | CONTAINS | INCLUDE | DTID (3902) Vascular Analysis | 1 | U | | $AnalysisPerformed = EV(122605, DCM, "Vascular Morphological Analysis") |
| 9 | > | CONTAINS | INCLUDE | DTID (3902) Vascular Analysis | 1 | U | | $AnalysisPerformed = EV(122606, DCM, "Vascular Functional Analysis") |
| 10 | > | CONTAINS | INCLUDE | DTID (3920) Ventricular Analysis | 1 | U | | |
| 11 | > | CONTAINS | INCLUDE | DTID (3927) Report Summary | 1-n | U | | |

### TID 3901 Procedure Summary

Contains summaries related to the performed procedures.

**TID 3901**
**Procedure Summary**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV(121064, DCM, "Current Procedure Descriptions") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV(121065, DCM, "Current Procedure Description") | 1-n | M | | |

### TID 3902 Vascular Analysis

Contains either morphological or functional vascular measurement results of an analysis



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**TID 3902**
**Vascular Analysis**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | $AnalysisPerformed |
| 3 | > | CONTAINS | INCLUDE | DTID (3905) Calcium Scoring Results | 1 | UC | IFF the value of row 2 equals EV(122605, DCM, "Vascular Morphological Analysis") | |
| 4 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12105) Intracranial Cerebral Vessels<br>$AnalysisPerformed = $AnalysisPerformed |
| 5 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12105) Intracranial Cerebral Vessels<br>$AnalysisPerformed = $AnalysisPerformed |
| 6 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-40501, SRT, ”Blood Vessel of Head”<br>$SectionLaterality = EV (G-A103, SRT, ”Unilateral”)<br>$Anatomy = DCID (12106) Unpaired Intracranial Cerebral Vessels (unilateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 7 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-45005, SRT, ”Artery of Neck”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12104) Extracranial Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 8 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-45005, SRT, ”Artery of Neck”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12104) Extracranial Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 9 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-47040, SRT, ”Artery of Lower Extremity ”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12109) Lower Extremity Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 10 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-47040, SRT, ”Artery of Lower Extremity ”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12109) Lower Extremity Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 11 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-49403, SRT, ”Vein of Lower Extremity”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12110) Lower Extremity Veins<br>$AnalysisPerformed = $AnalysisPerformed |
| 12 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-49403, SRT, ”Vein of Lower Extremity”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12110) Lower Extremity Veins<br>$AnalysisPerformed = $AnalysisPerformed |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 13 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-47020, SRT, "Artery of Upper Extremity")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12107) Upper Extremity Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 14 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-47020, SRT, "Artery of Upper Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12107) Upper Extremity Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 15 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-49103, SRT, "Vein of Upper Extremity")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12108) Upper Extremity Veins<br>$AnalysisPerformed = $AnalysisPerformed |
| 16 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-49103, SRT, "Vein of Upper Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12108) Upper Extremity Veins<br>$AnalysisPerformed = $AnalysisPerformed |
| 17 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-71019, SRT, "Vascular Structure of Kidney")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12115) Renal Vessels<br>$AnalysisPerformed = $AnalysisPerformed |
| 18 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-71019, SRT, "Vascular Structure of Kidney")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12115) Renal Vessels<br>$AnalysisPerformed = $AnalysisPerformed |
| 19 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-46002, SRT, "Artery of Abdomen")<br>$SectionLaterality = EV(G-A101, SRT, "Left")<br>$Anatomy = DCID (12111) Abdominal Arteries (lateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 20 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-46002, SRT, "Artery of Abdomen")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12111) Abdominal Arteries (lateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 21 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-46002, SRT, "Artery of Abdomen")<br>$SectionLaterality = EV (G-A103, SRT, "Unilateral")<br>$Anatomy = DCID (12112) Abdominal Arteries (unilateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 22 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-487A0, SRT, "Vein of Abdomen")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12113) Abdominal Veins (lateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 23 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-487A0, SRT, "Vein of Abdomen")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12113) Abdominal Veins (lateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 24 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-487A0, SRT, "Vein of Abdomen")<br>$SectionLaterality = EV (G-A103, SRT, |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ”Unilateral”)<br>$Anatomy = DCID (12114) Abdominal Veins (unilateral)<br>$AnalysisPerformed = $AnalysisPerformed |
| 25 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT (T-44000, SRT, ”Pulmonary Artery Structure”)<br>$SectionLaterality = EV (G-A103, SRT, ”Unilateral”)<br>$Anatomy = DCID (3829) Pulmonary Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 26 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-43000, SRT, "Coronary Artery Structure")<br>$Anatomy = DCID(3015) Coronary Arteries<br>$AnalysisPerformed = $AnalysisPerformed |
| 27 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-48400, SRT, "Cardiac Vein Structure")<br>$Anatomy = DCID(3839) Coronary Veins<br>$AnalysisPerformed = $AnalysisPerformed |
| 28 | > | CONTAINS | INCLUDE | DTID (3906) Vascular Section Measurements | 1-n | U | | $VascularSection = DT(T-48581, SRT, "Pulmonary Venous Structure")<br>$Anatomy = DCID(3840) Pulmonary Veins<br>$AnalysisPerformed = $AnalysisPerformed |

**TID 3905 Calcium Scoring Results**

Contains the calcium scoring results related to plaque findings, vessels or the whole body.

**TID 3905**
**Calcium Scoring Results**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | EV(122603, DCM, "Calcium Scoring Analysis") |
| 3 | > | CONTAINS | NUM | EV(122657, DCM, "Agatston Score Threshold") | 1 | U | | Units= DT([hnsf´U], UCUM, "Hounsfield unit") |
| 4 | > | CONTAINS | NUM | EV(122658, DCM, "Calcium Mass Threshold") | 1 | U | | Units= DT(mg/cm3, UCUM, "mg/cm^3") |
| 5 | > | CONTAINS | NUM | EV(122659, DCM, "Calcium Scoring Calibration") | 1 | U | | Units= DT(mg/[hnsf´U]cm3), UCUM, "mg/[hnsf´U]cm^3") |
| 6 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement=EV(112058, DCM, "Calcium Score")<br>$Method=EV(112055, DCM, "Agatston Scoring Method")<br>$Units= DT (1, UCUM, "no units") |
| 7 | > | CONTAINS | NUM | EV(122660, DCM, "Calcium Volume") | 1 | U | | Units= UCUM(mm3, UCUM, "mm^3") |
| 8 | > | CONTAINS | NUM | EV(122661, DCM, "Calcium Mass") | 1 | U | | Units= UCUM(mg, UCUM, "mg") |
| 9 | > | CONTAINS | NUM | EV(F-02A3B, SRT, "Number of Lesions") | 1 | U | | Units= DT ({lesions}, UCUM, "lesions") |



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### TID 3906 Vascular Section Measurements

Sections of vascular measurements are section containers of an anatomical region consisting of measurement group containers containing the measurements.

| Parameter Name | Parameter Usage |
|---|---|
| $VascularSection | The concept name of the region or structure of which the anatomy is part |
| $SectionLaterality | The laterality (if any) of the anatomy in this section heading |
| $Anatomy | The concept name of the vascular anatomy |
| $AnalysisPerformed | The context of the measurements performed during the analysis |

**TID 3906**
**Vascular Section Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | $VascularSection | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality”) | 1 | MC | IFF $SectionLaterality has a value | $SectionLaterality |
| 3 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | M | | |
| 4 | > | HAS CONCEPT MOD | CODE | EV(G-C0E3, SRT, "Finding Site") | 1 | M | | $Anatomy |
| 5 | >> | CONTAINS | CODE | EV(122686, DCM, “Parent Vessel Finding”) | 1-n | U | | DCID(3810) Vascular Morphology |
| 6 | >>> | | INCLUDE | DTID (1350) Negation Modifier, Presence of Finding | 1 | U | | |
| 7 | >> | CONTAINS | INCLUDE | DTID (3905) Calcium Scoring Results | 1 | UC | IF the value of $AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis") | |
| 8 | >> | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | M | | |
| 9 | >>> | HAS CONCEPT MOD | CODE | EV (125101, DCM, “Vessel Branch”) | 1-n | UC | IF concept value of row 4 is not equal to (T-43000, SRT, "Coronary Artery Structure") | DCID (12117) Vessel Branch Modifiers |
| 10 | >>> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical Modifier”) | 1 | UC | IF concept value of row 4 is not equal to (T-43000, SRT, "Coronary Artery Structure") | DCID (12116) Vessel Segment Modifiers |
| 11 | >>> | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical Modifier”) | 1 | UC | IF concept value of row 4 equals (T-43000, SRT, "Coronary Artery Structure") | DCID(3019) Cardiovascular Anatomic Location Modifiers |
| 12 | >>> | CONTAINS | INCLUDE | DTID (3907) Vessel Measurements | 1 | U | | |
| 13 | >>> | CONTAINS | INCLUDE | DTID (3908) Vascular Lesion | 1-n | UC | IF the value of $AnalysisPerformed equals (122605, DCM, "Vascular Morphological Analysis") | |
| 14 | >>> | CONTAINS | INCLUDE | DTID (3910) Flow Quantification | 1 | UC | IF the value of $AnalysisPerformed equals (122606, DCM, "Vascular Functional Analysis") | |



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**Content Item Descriptions**

| | |
|---|---|
| Row 3 | This Findings container allows an application to group related vessels or branches |
| Row 5 | The characteristics associated with the parent vessel shall also be reported in the findings Container for the parent vessel. Negative findings (characteristics not present) need not be reported in the parent vessel Container. |

**TID 3907 Vessel Measurements**

Contains measurements made on vessel level.

**TID 3907**
**Vessel Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | NUM | EV(R-101BB, SRT, “Lumen Diameter Stenosis“) | 1 | U | | UNITS=DT(%,UCUM, “%”) |
| 2 | | CONTAINS | NUM | EV(R-101BA, SRT, “Lumen Area Stenosis“) | 1 | U | | UNITS=DT(%,UCUM, “%”) |
| 3 | | CONTAINS | NUM | EV(121206, DCM, ”Distance”) | 1-n | U | | UNITS=DT(mm, UCUM, “mm”) |
| 4 | > | HAS CONCEPT MOD | CODE | EV(122340, DCM, “Fiducial Feature”) | 2 | M | | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV(G-C171, SRT, “Laterality”) | 1 | U | | DCID(244) Laterality |
| 6 | > | | INCLUDE | DTID (320) Image or Spatial Coordinates | 1 | U | | |
| 7 | | CONTAINS | NUM | EV(G-0364, SRT, "Vessel Lumen Diameter") | 1-n | U | | UNITS=DT(mm, UCUM, "mm") |
| 8 | > | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | U | | DCID(3488) Min/Max/Mean |
| 9 | > | HAS CONCEPT MOD | NUM | EV(122337, DCM, "Relative Position”) | 1 | M | | Units=EV(mm, UCUM, "mm") |
| 10 | >> | HAS CONCEPT MOD | CODE | EV(122340, DCM, "Fiducial Feature") | 1 | M | | DCID(3837) Fiducial Feature |

**Content Item Descriptions**

| | |
|---|---|
| Rows 3-5 | The distance between two identified fiducial features |
| Rows 7-10 | Measurement of vessel diameter made at a position relative to a fiducial feature |
| Row 9 | A positive value indicates a distance in the direction of flow within the vessel |

**TID 3908 Vascular Lesion**

Specifies properties and the features of a vascular lesion deteced during the analysis. In addition it is possible to reference or include growing of lesions over time by adding references to previous reports or by adding previous examination results.

**TID 3908**
**Vascular Lesion**
**Type: Extensible**

- Standard -

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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV(F-00585, SRT, "Lesion Finding") | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121151, DCM, "Lesion Identifier") | 1 | M | | |
| 3 | > | CONTAINS | INCLUDE | DTID (3909) Best Illustration of Findings | 1-n | U | | |
| 4 | > | CONTAINS | TEXT | EV(121106, DCM, "Comment") | 1-n | U | | |
| 5 | > | CONTAINS | NUM | EV(122337, DCM, "Relative Position") | 1 | U | | Units=EV(mm, UCUM, "mm") |
| 6 | >> | HAS CONCEPT MOD | CODE | EV(122340, DCM, "Fiducial Feature") | 1 | M | | DCID(3837) Fiducial Feature |
| 7 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(G-0364, SRT, "Vessel Lumen Diameter")<br>$Derivation=DCID (3838) Diameter Derivation<br>$FindingSite=DCID(3486) IVUS Measurement Sites<br>$Units=DT(mm, UCUM, "mm") |
| 8 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area")<br>$Derivation=DCID (3838) Diameter Derivation<br>$FindingSite=DCID(3486) IVUS Measurement Sites<br>$Units=DT(mm2, UCUM, "mm^2") |
| 9 | > | CONTAINS | CODE | EV(G-C504, SRT, "Associated Morphology") | 1-n | M | | DCID(3810) Vascular Morphology |
| 10 | >> | | INCLUDE | DTID(3909) Best Illustration of Findings | 1-n | U | | |
| 11 | >> | HAS PROPERTIES | TEXT | EV(121106, DCM, "Comment") | 1-n | U | | |
| 12 | >> | | INCLUDE | DTID(3911) Plaque Properties | 1 | MC | IFF value of row 9 equals (M-01470, SRT, "Plaque") | |
| 13 | >> | | INCLUDE | DTID(3912) Stenosis Properties | 1 | MC | IFF value of row 9 equals (M-34200, "Stenosis") | |
| 14 | >> | | INCLUDE | DTID(3913) Aneurysm Properties | 1 | MC | IFF value of row 9 equals (M-32200, SRT, "Aneurysm") | |
| 15 | >> | | INCLUDE | DTID(3914) Dissection Properties | 1 | MC | IFF value of row 9 equals (D3-81310, SRT, "Arterial Dissection") | |
| 16 | >> | HAS PROPERTIES | CODE | EV(G-C504, SRT, "Associated Morphology") | 1 | MC | IFF value of row 9 equals (M-520F8, SRT, "Vascular Sclerosis") | DCID (3817) Vascular Sclerosis Types |
| 17 | >> | | INCLUDE | DTID(3915) Vascular Occlusion Properties | 1 | MC | IFF value of row 9 equals EVM-34000, SRT, "Occlusion") | |
| 18 | >> | | INCLUDE | DTID(3916) Stent Properties | 1 | MC | IFF value of row 9 equals (A-25500, SRT, "Stent") | |

### Content Item Descriptions

| Row | Description |
|---|---|
| Row 5 | A positive value indicates a distance in the direction of flow within the vessel<br>For example: An aneurysm with relative position -4 mm from the renal arteries would begin superior to the renal arteries. |
| Row 7, 8 | These rows are associated with the position of the most significant effect of the lesion, i.e. maximum diameter of aneurysm or the minimum diameter of stenosis |



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### TID 3909 Best Illustration of Findings

Specification of images, waveforms, spatial and temporal coordinates used to illustrate findings.

**TID 3909**
**Best Illustration of Findings**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | IMAGE | EV (121080, DCM, "Best illustration of finding") | 1 | U | | |
| 2 | | CONTAINS | WAVEFORM | EV (121080, DCM, "Best illustration of finding") | 1 | U | | |
| 3 | | CONTAINS | SCOORD | EV (121080, DCM, "Best illustration of finding") | 1 | U | | |
| 4 | > | SELECTED FROM | IMAGE | no purpose of reference | 1 | M | | |
| 5 | | CONTAINS | TCOORD | EV (121080, DCM, "Best illustration of finding") | 1 | U | | |
| 6 | > | SELECTED FROM | SCOORD | no purpose of reference | 1 | MC | XOR row 8, 9 | |
| 7 | >> | SELECTED FROM | IMAGE | no purpose of reference | 1 | MC | | must be a multiframe image |
| 8 | > | SELECTED FROM | WAVEFORM | no purpose of reference | 1 | MC | XOR row 6, 9 | |
| 9 | > | SELECTED FROM | IMAGE | no purpose of reference | 1 | MC | XOR row 6, 8 | must be a multiframe image |

### TID 3910 Flow Quantification

Contains the flow quantification measurement results

**TID 3910**
**Flow Quantification**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | EV (122604, DCM, "Flow Quantification") |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID(3929) Cardiovascular Analysis Observation Context | 1 | U | | |
| 4 | > | HAS OBS CONTEXT | DATETIME | EV(G-D321, SRT, "Start Time") | 1 | M | | |
| 5 | > | HAS OBS CONTEXT | DATETIME | EV(G-D320, SRT, "Stop Time") | 1 | M | | |
| 6 | > | CONTAINS | INCLUDE | DTID(3990) 2-Dimensional Measurement Graph | 1 | U | | $MeasurementGraph = EV(122667, DCM, "Blood velocity vs. time of cardiac cycle")<br>$X-Concept = EV(122666, DCM, "Time relative to R-wave peak")<br>$Y-Concept = EV(F-0319E, SRT, "Arterial Velocity")<br>$X-AxisUnits= DT(ms, UCUM, "ms")<br>$Y-AxisUnits= DT(cm/s, UCUM, "cm/s") |
| 7 | > | CONTAINS | NUM | EV(122642, DCM, "Velocity Encoding Minimum Value") | 1 | U | | Units = DT(cm/s, UCUM, "cm/s") |
| 8 | > | CONTAINS | NUM | EV(122643, DCM, "Velocity Encoding | 1 | U | | Units = DT(cm/s, UCUM, "cm/s") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | "Velocity Encoding Maximum Value") | | | | |
| 9 | > | CONTAINS | CONTAINER | EV(125007, DCM, "Measurement Group") | 1-n | M | | |
| 10 | >> | HAS CONCEPT MOD | TEXT | EV(G-C0E3, SRT, "Finding Site") | 1 | MC | XOR row 11 | |
| 11 | >> | HAS CONCEPT MOD | CODE | EV(G-C0E3, SRT, "Finding Site") | 1 | MC | XOR row 10 | |
| 12 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122207, DCM, "Blood Velocity, Peak")<br>$Units = DT(cm/s, UCUM, "cm/s") |
| 13 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122205, DCM, "Blood Velocity, Mean")<br>$Units = DT(cm/s, UCUM, "cm/s") |
| 14 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-39200, SRT, "Blood Flow")<br>$Derivation = EV(R-00317, SRT, "Mean")<br>$Units = DT(ml/s, UCUM, "ml/s"") |
| 15 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1-2 | U | | $Measurement = EV(F-39200, SRT, "Blood Flow")<br>$ModType = EV(G-C048, SRT, “Direction of flow”)<br>$ModValue = DCID(12221) Flow Direction<br>$Units = DT(ml/s, UCUM, "ml/s") |
| 16 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122645, DCM, "Net Forward Volume")<br>$Units = DT(ml, UCUM, "ml") |
| 17 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122645, DCM, "Net Forward Volume")<br>$ModType=EV(121425, DCM, "Index")<br>$ModValue= DT(8277-6, LN, “BSA”)<br>$Units = (ml/m2, UCUM, "ml/m^2") |
| 18 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area")<br>$Derivation = DCID (3488) Min/Max/Mean<br>$Units = DT(mm2, UCUM, "mm^2") |
| 19 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32110, SRT, "Cardiac Index")<br>$Units = DT(l/min/m2, UCUM, "l/min/m^2") |

**TID 3911 Plaque Properties**

Properties of a plaque finding

**TID 3911**
**Plaque Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | NUM | EV(122376, DCM, "Total Plaque Volume") | 1 | U | | Units=DT(mm3,UCUM,"mm^3") |
| 2 | | HAS PROPERTIES | CODE | EV(G-A428, SRT, "Margin") | 1 | U | | DCID(3715) Lesion Morphology |
| 3 | | HAS PROPERTIES | CODE | EV(M-01000, SRT, "Morphological Abnormal Structure") | 1-n | M | | DCID(3802) Plaque Structures |
| 4 | | HAS PROPERTIES | INCLUDE | DTID (3905) Calcium Scoring Results | 1 | U | | |
| 5 | | HAS PROPERTIES | CODE | EV(121071, DCM, "Finding") | 1 | U | | DT(R-102DA, SRT, "Contrast Media Seen in Plaque") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | PROPERTIES | | "Finding") | | | | Plaque") |

**TID 3912 Stenosis Properties**

Properties of a stenosis finding

**TID 3912**
**Stenosis Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | CODE | EV(G-C036, SRT, "Measurement method") | 1 | M | | DCID(3804) Stenosis Measurement Methods |
| 2 | | HAS PROPERTIES | CODE | EV(G-D775, SRT, "Type of Stenosis") | 1 | U | | DCID(3805) Stenosis Types |
| 3 | | HAS PROPERTIES | CODE | EV(G-C002, SRT, "Associated with") | 1 | U | | DCID(3815) Source of Vascular Finding |
| 4 | | HAS PROPERTIES | CODE | EV(G-C2FE, SRT, "Shape") | 1 | U | | DCID(3806) Stenosis Shapes |
| 5 | | HAS PROPERTIES | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(G-0364, SRT, "Vessel Lumen Diameter")<br>$Derivation= DCID(3488) Min/Max/Mean<br>$Units=DT(mm, UCUM, "mm") |
| 6 | | HAS PROPERTIES | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(G-0366, SRT, "Vessel Lumen Cross-Sectional Area")<br>$Derivation= DCID(3488) Min/Max/Mean<br>$Units=DT(mm2,UCUM, "mm^2") |
| 7 | | HAS PROPERTIES | NUM | EV(R-101BC, SRT, "Stenotic Lesion Length") | 1 | U | | Units=DT(mm, UCUM, "mm") |
| 8 | | HAS PROPERTIES | CODE | EV(R-101BC, SRT, "Stenotic Lesion Length") | 1 | U | | DCID(3831) Stenosis Length |
| 9 | | HAS PROPERTIES | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(R-101BA, SRT, "Lumen Area Stenosis")<br>$Derivation= DCID(3488) Min/Max/Mean<br>$Units=DT(%,UCUM, “%") |
| 10 | | HAS PROPERTIES | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement= EV(R-101BB, SRT, "Lumen Diameter stenosis")<br>$Derivation= DCID(3488) Min/Max/Mean<br>$Units=DT(%,UCUM, “%") |
| 11 | | HAS PROPERTIES | CODE | EV(R-101BA, SRT, "Lumen Area Stenosis") | 1-n | U | | DCID(3832) Stenosis Grade |
| 12 | > | HAS CONCEPT MOD | CODE | EV(121401, DCM, "Derivation") | 1 | M | | DCID(3488) Min/Max/Mean |

**TID 3913 Aneurysm Properties**

Properties of an aneurysm finding

**TID 3913**
**Aneurysm Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | CODE | EV(G-C504, SRT, "Associated Morphology") | 1-n | M | | DCID (3808) Aneurysm Types |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | PROPERTIES | | "Associated Morphology") | | | | |
| 2 | | HAS PROPERTIES | CODE | EV(G-C002, SRT, "Associated with") | 1 | U | | DCID(3815) Source of Vascular Finding |
| 3 | | HAS PROPERTIES | INCLUDE | DTID(3917) Aneurysm Measurements | 1 | U | | |
| 4 | | HAS PROPERTIES | CODE | EV(G-C504, SRT, "Associated Morphology") | 1-n | UC | IFF value of row 1 equals (M-32206, SRT, "Compound Aneurysm") | DCID (3808) Aneurysm Types |
| 5 | > | HAS PROPERTIES | INCLUDE | DTID(3917) Aneurysm Measurements | 1 | U | | |

**TID 3914 Arterial Dissection Properties**

Properties of a arterial dissection finding

**TID 3914**
**Arterial Dissection Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | CODE | EV(122387, DCM, "Dissection Classification") | 1 | M | | DCID(3492) IVUS Dissection Classification |
| 2 | | HAS PROPERTIES | CODE | EV(G-C150, SRT, "Etiology") | 1 | U | | DCID(3809) Associated Conditions |
| 3 | | HAS PROPERTIES | NUM | EV(G-A22A, SRT, "Length") | 1 | U | | Units= DT(mm, UCUM, "mm") |
| 4 | | HAS PROPERTIES | CODE | EV(R-102DD, SRT, "Anatomic structure potentially involved in evolution of disease") | 1-n | U | | DCID(3827) Vessel Segments |

**TID 3915 Vascular Occlusion Properties**

Properties of vascular occlusion finding

**TID 3915**
**Vascular Occlusion Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | CODE | EV(G-D775, SRT, "Type of Stenosis") | 1 | M | | DCID(3805) Stenosis Types |
| 2 | | HAS PROPERTIES | CODE | EV(G-C002, SRT, "Associated with") | 1 | U | | DCID(3815) Source of Vascular Finding |
| 3 | | HAS PROPERTIES | CODE | EV(G-C2FE, SRT, "Shape") | 1 | U | | DCID(3806) Stenosis Shapes |
| 4 | | HAS PROPERTIES | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement=EV(R-101BC, SRT, "Stenotic Lesion Length")<br>$Method= DCID(3804) Stenosis Measurement Methods<br>$Units=DT(mm, UCUM, "mm") |



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**TID 3916 Stent Properties**

Properties of a stent finding

**TID 3916**
**Stent Properties**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS PROPERTIES | CODE | EV(155, DCM, "Stent Composition") | 1-n | M | | DCID(38014) Stent Composition |
| 2 | | HAS PROPERTIES | NUM | EV(R-101AD, SRT, "Vascular Stent Diameter") | 1 | U | | Units= DT(mm, UCUM, "mm") |
| 3 | | HAS PROPERTIES | NUM | EV(R-101B0, SRT, "Vascular Stent Length") | 1 | U | | Units= DT(mm, UCUM, "mm") |
| 4 | | HAS PROPERTIES | CODE | EV(121071, DCM, "Finding") | 1-n | U | | DCID(3813) Stent Findings |
| 5 | > | | INCLUDE | DTID(3912) Stenosis Properties | 1 | MC | IFF value of row 4 equals (M-34200, SRT, "Stenosis") | |

**TID 3917 Aneurysm Measurements**

Measurements of aneurysms. TID 300 invoked from this template alllows the measurement to reference an image used as the source of the measurement.

**TID 3917**
**Aneurysm Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(G-A22A, SRT, "Length")<br>$ModType = EV(G-C093, SRT, ”Extent”)<br>$ModValue = DT(G-A143, SRT, ”Longitudinal” )<br>$Units=DT(mm, UCUM, "mm") |
| 2 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(G-D705, SRT, "Volume")<br>$Method= DCID(3807) Volume Measurement Methods<br>$Units=DT(mm3, UCUM, "mm^3") |
| 3 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(R-102DB, SRT, "Vessel Lumen Cross-Sectional Area Increase")<br>$Units=DT(%, UCUM, “%") |
| 4 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(R-102DB, SRT, "Vessel Lumen Cross-Sectional Area Increase")<br>$Units=DT(mm2, UCUM, "mm^2") |
| 5 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(R-102DC, SRT, "Vessel Lumen Cross-Sectional Diameter Increase")<br>$Units=DT(%, UCUM, “%") |
| 6 | | | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement= EV(R-102DC, SRT, "Vessel Lumen Cross-Sectional Diameter Increase")<br>$Units=DT(mm, UCUM, "mm") |

**TID 3920 Ventricular Analysis**

Contains the ventricular functional measurement results.



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**TID 3920**
**Ventricular Analysis**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | EV(122601, DCM, "Ventricular Analysis") |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (3929) Cardiovascular Analysis Observation Context | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (3921) Ventricular Measurements | 1-n | U | | $Ventricle = EV (T-32600, SRT, "Left Ventricle") |
| 5 | > | CONTAINS | INCLUDE | DTID (3921) Ventricular Measurements | 1-n | U | | $Ventricle = EV (T-32500, SRT, "Right Ventricle") |
| 6 | > | CONTAINS | INCLUDE | DTID (3925) Thickening Analysis | 1-n | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (3926) Myocardial Perfusion Analysis | 1-n | U | | |

**TID 3921 Ventricular Measurements**

Ventricular measurement results related to the volume of a ventricle.

| Parameter Name | Parameter Usage |
|---|---|
| $Ventricle | Describes if either the left or the right ventricle was examined |

**TID 3921**
**Ventricular Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(G-C0E3, SRT, "Finding Site") | 1 | M | | $Ventricle |
| 3 | > | CONTAINS | INCLUDE | DTID(3922) Absolute Values Of Ventricular Measurements | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID(3923) BSA-Normalized Ventricular Measurements | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID(3924) Heart Rate-Normalized Ventricular Measurements | 1 | U | | |



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**TID 3922 Absolute Values Of Ventricular Measurements**

Ventricular measurement results related to the absolute volume of a ventricle.

**TID 3922**
**Absolute Values Of Ventricular Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV(122608, DCM, "Absolute Values Of Ventricular Measurements") | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3833) Cardiac Ejection Fraction<br>$ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded")<br>$ModValue = DCID(3821) Papillary Muscle Included/Excluded<br>$Method = DCID(3807) Volume Measurement Methods<br>$Units = DT(%,UCUM,"%") |
| 3 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3835) Volume Measurements<br>$ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded")<br>$ModValue = DCID(3821) Papillary Muscle Included/Excluded<br>$Units = DT(ml, UCUM, "ml") |
| 4 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32100, SRT, "Cardiac Output")<br>$ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded")<br>$ModValue = DCID(3821) Papillary Muscle Included/Excluded<br>$Units = DT(l/min, UCUM, "l/min") |
| 5 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = EV(122447, DCM, " Wall Mass")<br>$ModType = DT(122670, DCM, "Papillary Muscle Included/Excluded")<br>$ModValue = DCID(3821) Papillary Muscle Included/Excluded<br>$Units = DT(g, UCUM, "g") |
| 6 | >> | HAS CONCEPT MOD | CODE | EV(R-4089A, SRT, "Cardiac Cycle Point") | 1 | U | | DCID(12233) Cardiac Cycle Point |
| 7 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122616, DCM, "Peak Ejection Rate")<br>$Units = DT(ml/s, UCUM, "ml/s") |
| 8 | > | CONTAINS | NUM | EV(122617, DCM, "Peak Ejection Time") | 1 | U | | Units = EV(s, UCUM, "s") |
| 9 | >> | HAS CONCEPT MOD | CODE | EV(122611, DCM, “Reference Point”) | 1 | M | | EV(F-32011, SRT, "End-Diastolic") |
| 10 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122618, DCM, "Peak Filling Rate")<br>$Units = DT(ml/s, UCUM, "ml/s") |
| 11 | > | CONTAINS | NUM | EV(122619, DCM, "Peak Filling Time") | 1 | U | | $Units = DT(s, UCUM, ”s”) |
| 12 | >> | HAS CONCEPT MOD | CODE | EV(122611, DCM, “Reference Point”) | 1 | M | | DT(109070, DCM, "End-Systolic") |



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### TID 3923 BSA-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Body Surface Area

**TID 3923**
**BSA-normalized Ventricular Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV(122609, DCM, "Normalized values of ventricular measurements") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(121425, DCM, "Index") | 1 | M | | DT(8277-6, LN, “Body Surface Area”) |
| 3 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3835) Volume Measurements<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8277-6, LN, “Body Surface Area”)<br>$Units=DT(ml/m2, UCUM, “ml/m^2") |
| 4 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32110, SRT, "Cardiac Index")<br>$Units=DT(ml/min/m2, UCUM, “(ml/min)/m^2”) |
| 5 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-2 | U | | $Measurement = EV(122447, DCM, "Wall Mass")<br>$ModType = EV (121425, DCM, “Index")<br>$ModValue = DT(8277-6, LN, “Body Surface Area”)<br>$Units=DT(g/m2, UCUM, “g/m^2”) |
| 6 | >> | HAS CONCEPT MOD | CODE | DT(122670, DCM, "Papillary Muscle Included/Excluded” | 1 | U | | DCID(3821) Papillary Muscle Included/Excluded |
| 7 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122618, DCM, "Peak Filling Rate")<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8277-6, LN, “Body Surface Area”)<br>$Units=DT(ml/s/m2, UCUM, “(ml/s)/m^2”) |
| 8 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32070, SRT, "Peak Cardiac Ejection Fraction")<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8277-6, LN, “Body Surface Area”)<br>$Units=DT(%/m2, UCUM, “%/m^2”) |

### TID 3924 Heart Rate-Normalized Ventricular Measurements

Ventricular measurement results normalized based on the Heart Rate

**TID 3924**
**Heart Rate-Normalized Ventricular Measurements**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV(122609, DCM, "Normalized values of ventricular measurements") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(121425, DCM, "Index" | 1 | M | | DT(8867-4, LN, “Heart Rate") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 3 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3835) Volume Measurements<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8867-4, LN, “Heart Rate")<br>$Units=DT(ml/{H.B.}/min, UCUM, "ml/BPM”) |
| 4 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32100, SRT, "Cardiac Output")<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8867-4, LN, “Heart Rate")<br>$Units = DT(ml/min/{H.B.}/min, UCUM, ”(ml/min)/ BPM”) |
| 5 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122618, DCM, "Peak Filling Rate")<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8867-4, LN, “Heart Rate")<br>$Units = DT(ml/s/{H.B.}/min, UCUM, “(ml/s)/BPM”) |
| 6 | > | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(F-32070, SRT, "Peak Cardiac Ejection Fraction")<br>$ModType = EV (121425, DCM, “Index”)<br>$ModValue = DT(8867-4, LN, “Heart Rate")<br>$Units=DT(%/{H.B.}/min, UCUM, “%/BPM”) |

**TID 3925 Ventricular Thickening Analysis**

Data of a ventricular wall thickening analysis

**TID 3925**
**Thickening Analysis**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | EV (122607, DCM, "Thickening Analysis") |
| 3 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | M | | |
| 4 | >> | CONTAINS | CODE | EV(G-C0E3, SRT, "Finding Site") | 1-n | MC | XOR row 5 | DCID(3717) Myocardial Wall Segments |
| 5 | >> | CONTAINS | TEXT | EV(G-C0E3, SRT, "Finding Site") | 1 | MC | XOR row 4 | |
| 6 | >> | CONTAINS | INCLUDE | DTID(3909) Best Illustration of Findings | 1-n | U | | |
| 7 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | M | | $Measurement = EV(122445, DCM, "Wall Thickness")<br>$ModType= EV(R-4089A, SRT, "Cardiac Cycle Point")<br>$ModValue= DT(F-32011, SRT, "End-Diastolic")<br>$Units = DT(mm, UCUM, "mm") |
| 8 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | M | | $Measurement = EV(122445, DCM, "Wall Thickness")<br>$ModType= EV(R-4089A, SRT, "Cardiac Cycle Point")<br>$ModValue= DT(109070, DCM, "End-Systolic")<br>$Units = DT(mm, UCUM, "mm") |
| 9 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1 | U | | $Measurement = EV(122624, DCM, "Wall Thickness Ratio end-systolic to end- |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | diastolic")<br>$Units = DT(%, UCUM, "%") |
| 10 | >> | CONTAINS | CODE | EV(F-32050, SRT, "Cardiac Wall Motion") | 1 | U | | DCID (3703) Wall Motion |
| 11 | >> | CONTAINS | CODE | EV(G-C504, SRT, "Associated Morphology") | 1 | U | | DCID (3704) Wall Morphology Findings |

**TID 3926 Myocardial Perfusion Analysis**

Myocardial perfusion analysis results.

Perfusion measurements may be performed either for one or more ventricular segments (row 4) or for substructures inside ventricular segments (row 14)

**TID 3926**
**Myocardial Perfusion Analysis**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | EV(122602, DCM, "Myocardial Perfusion Analysis") |
| 3 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | M | | |
| 4 | >> | HAS CONCEPT MOD | CODE | EV(G-C0E3, SRT, "Finding Site") | 1-n | MC | XOR row 6 | DCID(3717) Myocardial Wall Segments |
| 5 | >>> | HAS CONCEPT MOD | CODE | EV(G-A1F8, SRT, "Topographical Modifier" | 1 | U | | DCID(3843) Myocardial Subsegment |
| 6 | >> | HAS CONCEPT MOD | TEXT | EV(G-C0E3, SRT, "Finding Site") | 1 | MC | XOR row 4 | |
| 7 | >> | HAS ACQ CONTEXT | CODE | EV(109054, DCM, "Patient State") | 1 | U | | DCID(3101) NM Procedural State Values |
| 8 | >> | HAS ACQ CONTEXT | INCLUDE | DTID (3106) Drugs/Contrast Administered | 1-n | U | | |
| 9 | >> | CONTAINS | TEXT | EV(122627, DCM, "Curve Fit Method") | 1 | U | | |
| 10 | >> | CONTAINS | INCLUDE | DTID(3909) Best Illustration of Findings | 1-n | U | | |
| 11 | >> | CONTAINS | TEXT | EV(122628, DCM, "Baseline Result Correction") | 1 | U | | |
| 12 | >> | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3836) Time-based Perfusion Measurements<br>$Units= EV(s, UCUM, "s") |
| 13 | >> | CONTAINS | NUM | EV(122640, DCM, "Image Interval") | 1 | U | | Units= EV(ms, UCUM, "ms") |
| 14 | >> | CONTAINS | NUM | EV(122635, DCM, "MR Perfusion Peak") | 1 | U | | Units=DT(1, UCUM, "No units") |
| 15 | >> | CONTAINS | NUM | EV(122636, DCM, "MR Perfusion Slope") | 1 | U | | Units=DT(1, UCUM, "No units") |
| 16 | >> | CONTAINS | NUM | EV(122637, DCM, "MR Perfusion Time Integral") | 1 | U | | Units=DT(1, UCUM, "No units") |
| 17 | >> | CONTAINS | CONTAINER | EV(125007, DCM, "Measurement Group") | 1-n | U | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 18 | >>> | CONTAINS | INCLUDE | DTID(300) Measurement | 1-n | U | | $Measurement = DCID(3836) Time-based Perfusion Measurements<br>$Units= EV(s, UCUM, "s") |
| 19 | >>> | CONTAINS | NUM | EV(122635, DCM, “MR Perfusion Peak”) | 1 | U | | Units=DT(1, UCUM, “No units”) |
| 20 | >>> | CONTAINS | NUM | EV(122636, DCM, "MR Perfusion Slope") | 1 | U | | Units=DT(1, UCUM, “No units”) |
| 21 | >>> | CONTAINS | NUM | EV(122637, DCM, "MR Perfusion Time Integral") | 1 | U | | Units=DT(1, UCUM, “No units”) |
| 22 | >> | CONTAINS | CODE | EV(122664, DCM, "Late Contrast Enhancement") | 1 | U | | DCID(230) Yes-No |
| 23 | >>> | HAS ACQ CONTEXT | NUM | EV(122665, DCM, "Time after start of injection of contrast bolus") | 1 | M | | Units=DT(s, UCUM, "s") |
| 24 | >>> | HAS ACQ CONTEXT | NUM | EV(122668, DCM, "Time interval since detection of contrast bolus") | 1 | U | | Units=DT(s, UCUM, "s") |

**Content Item Descriptions**

| | |
|---|---|
| Row 12 | Image Interval is appropriate only for equally time-spaced images |

**TID 3927 Report Summary**

Contains summary elements based on the findings of the report

**TID 3927**
**Report Summary**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | BCID(7001) Diagnostic Imaging Reports Headings | 1 | M | | |
| 2 | > | CONTAINS | CODE | BCID(7002) Diagnostic Imaging Report Elements | 1-n | U | | |
| 3 | >> | | INCLUDE | DTID(320) Image or Spatial Coordinates | 1-n | U | | |
| 4 | >> | | INCLUDE | DTID(321) Waveform or Temporal Coordinates | 1-n | U | | |
| 5 | > | CONTAINS | TEXT | BCID(7002) Diagnostic Imaging Report Elements | 1-n | U | | |
| 6 | >> | | INCLUDE | DTID(320) Image or Spatial Coordinates | 1-n | U | | |
| 7 | >> | | INCLUDE | DTID(321) Waveform or Temporal Coordinates | 1-n | U | | |

**TID 3929 Cardiovascular Analysis Observation Context**

Defines the observation context for cardioVascular Functional Analysis

**TID 3929**
**Cardiovascular Analysis Observation Context**
**Type: Extensible**



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS OBS CONTEXT | NUM | EV(8867-4, LN, "Heart Rate") | 1 | U | | Units= DT ("{H.B.}/min", UCUM, "BPM") |
| 2 | | HAS OBS CONTEXT | CODE | EV(8884-9, LN, "Cardiac Rhythm") | 1 | U | | DCID(3826) Heart Rhythm |
| 3 | | HAS OBS CONTEXT | NUM | EV(F-008EC, SRT, "Systolic Blood Pressure") | 1 | U | | Units=DT(mm[Hg], UCUM, “mmHg”) |
| 4 | | HAS OBS CONTEXT | NUM | EV(F-008ED, SRT, "Diastolic Blood Pressure") | 1 | U | | Units=DT(mm[Hg], UCUM, “mmHg”) |
| 5 | | HAS OBS CONTEXT | CODE | EV (F-043E6, SRT, "Respiration Observable") | 1 | U | | DCID(3823) Respiratory Status |
| 6 | | HAS ACQ CONTEXT | INCLUDE | DTID (3106) Drugs/Contrast Administered | 1-n | U | | |

### TID 3990 2-Dimensional Measurement Graph

Generic template representing arbitrary two-dimensional graphs.

| Parameter Name | Parameter Usage |
|---|---|
| $MeasurementGraph | Describes what the graph is about |
| $X-Concept | Concept of the X-Axis of the graph |
| $Y-Concept | Concept of the Y-Axis of the graph |
| $X-AxisUnit | Unit of the x-axis data elements |
| $Y-AxisUnit | Unit of the y-axis data elements |

**TID 3990**
**2-Dimensional Measurement Graph**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $MeasurementGraph | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV(122698, DCM, "X-Concept") | 1 | M | | $X-Concept |
| 3 | > | CONTAINS | CODE | EV(122699, DCM, "Y-Concept") | 1 | M | | $Y-Concept |
| 4 | > | CONTAINS | CONTAINER | no concept name | 0-n | M | | |
| 5 | >> | CONTAINS | NUM | $X-Concept | 1 | M | | UNITS= $X-AxisUnit |
| 6 | >> | CONTAINS | NUM | $Y-Concept | 1 | M | | UNITS= $Y-AxisUnit |
| 7 | > | CONTAINS | IMAGE | $MeasurementGraph | 1 | U | | |
| 8 | > | CONTAINS | WAVEFORM | $MeasurementGraph | 1 | U | | |
| 9 | > | CONTAINS | COMPOSITE | $MeasurementGraph | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Rows 5-6 | The X-Concept values shall be monotonically increasing. |
| Row 7 | Secondary Capture Image containing a bitmap representation of the graph |
| Row 8 | Waveform containing a representation of the graph |
| Row 9 | Composite Object containing a rendered representation of the graph |



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## MAMMOGRAPHY CAD SR IOD TEMPLATES

The templates that comprise the Mammography CAD SR IOD are interconnected as in Figure A-8:

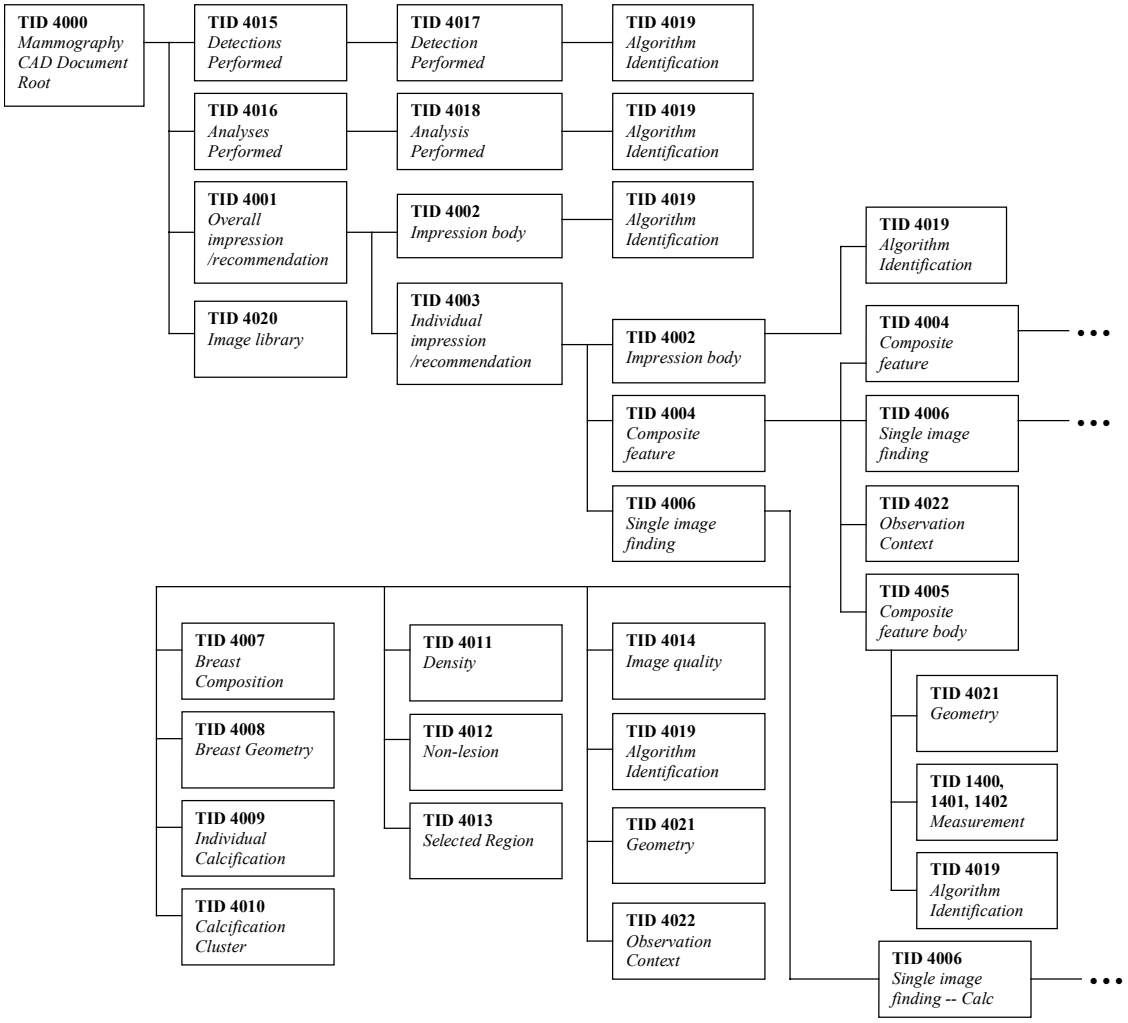


**Figure A-8: Mammography CAD SR IOD Template Structure**

In Figure A-8, '• • •' indicates possible recursive application of subordinate templates.



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**TID 4000 Mammography CAD Document Root Template**

This template forms the top of a content tree that allows a mammography CAD device to describe the results of detection and analysis of Mammographic evidence. This template, together with its subordinate templates, describes both the results for presentation to radiologists and partial product results for consumption by mammography CAD devices in subsequent mammography CAD reports.

This template defines a Container which contains an Image Library, the mammography CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or mammography CAD results.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a mammography CAD report may produce no (or fewer than anticipated) results. Mammography CAD results are constructed bottom-up, starting from Single Image Findings (see Template 4006), associated as Composite Features (see Template 4004), and from which Individual and Overall Impressions are formed.

See the figure entitled “Top Levels of Mammography CAD SR Content Tree” in the “Mammography CAD SR Content Tree Structure” Annex of PS 3.17.

**TID 4000**
**MAMMOGRAPHY CAD DOCUMENT ROOT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV(111036, DCM, “Mammography CAD Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) “Language of Content Item and Descendants” | 1 | M | | |
| 3 | > | CONTAINS | CONTAINER | EV(111028, DCM, “Image Library”) | 1 | M | | |
| 4 | >> | CONTAINS | INCLUDE | DTID (4020) “CAD Image Library Entry” | 1-n | M | | $ImageLaterality = DCID (6022) “Side”, $ImageView = DCID (4014) “View for Mammography”, $ImageViewMod = DCID (4015) “View Modifier for Mammography” |
| 5 | > | CONTAINS | INCLUDE | DTID (4001) “Mammography CAD Overall Impression / Recommendation” | 1 | M | | |
| 6 | > | CONTAINS | CODE | EV(111064, DCM, “Summary of Detections”) | 1 | M | | DCID (6042) “Status of Results” |
| 7 | >> | INFERRED FROM | INCLUDE | DTID (4015) “CAD Detections Performed” | 1 | MC | Shall be present unless the value of (111064, DCM, “Summary of Detections”) is (111225, DCM, “Not Attempted”) | $DetectionCode = DCID (6014) “Mammography Single Image Finding” |
| 8 | > | CONTAINS | CODE | EV(111065, DCM, “Summary of Analyses”) | 1 | M | | DCID (6042) “Status of Results” |
| 9 | >> | INFERRED FROM | INCLUDE | DTID (4016) “CAD Analyses Performed” | 1 | MC | Shall be present unless the value of (111065, DCM, “Summary of Analyses”) is (111225, DCM, “Not Attempted”) | $AnalysisCode = DCID (6043) “Types of Mammography CAD Analysis” |



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**Content Item Descriptions**

| | |
|---|---|
| Image Library | The "Image Library" section of the Content Tree (TID 4000, row 3) shall include all Image SOP Instances from the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Mammography CAD SR IOD is duplicated in the "Overall Impression/ Recommendation" section of the Content Tree, the "Image Library" shall also include all Image Library Entries referenced from the duplicated portions of the Mammography CAD SR. |
| Detections Performed | The "Detections Performed" and "Analyses Performed" sections of the Content Tree (TID 4000, rows 6 and 8) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. |
| Analyses Performed | |

### TID 4001 Mammography CAD Overall Impression/Recommendation Template

This template forms the top of the mammography CAD results sub-tree. The contents of this template describe the overall impression the mammography CAD device had for the mammographic evidence presented and any recommendations that the mammography CAD device made. The details of the overall impression and recommendation are expressed in this instance of the Mammography CAD Impression/Recommendation Body (see TID 4002). The data from which the details are inferred, are expressed in the Mammography CAD Individual Impression/Recommendations (see TID 4003), of which there may be several.

**TID 4001**
**MAMMOGRAPHY CAD OVERALL IMPRESSION/RECOMMENDATION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111017, DCM, "CAD Processing and Findings Summary") | 1 | M | | DCID (6047) "CAD Processing and Findings Summary" |
| 2 | > | HAS PROPERTIES | INCLUDE | DTID (4002) "Mammography CAD Impression/Recommendation Body" | 1 | U | | |
| 3 | > | INFERRED FROM | INCLUDE | DTID (4003) "Mammography CAD Individual Impression/Recommendation" | 1-n | MC | Shall be present if 1 or more (111059, DCM, "Single Image Finding") or (111015, DCM, "Composite Feature") content items are reported. | |

**Content Item Descriptions**

| | |
|---|---|
| CAD Processing and Findings Summary | This code value is used to express if and why the Overall Impression/Recommendation sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed.<br><br>If the code value indicates that there were no findings, then the code value can be used to determine whether mammography CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees. |



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### TID 4002 Mammography CAD Impression/Recommendation Body Template

The details of an impression and recommendation are expressed in this template. It is applied to both Mammography CAD Overall Impression/Recommendation (TID 4001) and Mammography CAD Individual Impression/Recommendation (TID 4003).

**TID 4002**
**MAMMOGRAPHY CAD IMPRESSION/RECOMMENDATION BODY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111005, DCM, "Assessment Category") | 1 | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. | DCID (6026) "Mammography Assessment" |
| 2 | | | CODE | (111023, DCM, "Differential Diagnosis/ Impression") | 1-n | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. | DCID (6002) "Change Since Last Mammogram or Prior Surgery" |
| 3 | | | TEXT | (111033, DCM, "Impression Description") | 1 | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. | |
| 4 | | | CODE | (111053, DCM, "Recommended Follow-up") | 1-n | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. | DCID (6028) "Mammography Recommended Follow-up" |
| 5 | | | NUM | (111055, DCM, "Recommended Follow-up Interval") | 1 | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. May be present only if (111054, DCM, "Recommended Follow-up Date") is not present. | UNITS = DCID (6046) "Units of Follow-up Interval"; Values = Integer $\geq$ 0, where 0 = immediate follow-up |
| 6 | | | DATE | (111054, DCM, "Recommended Follow-up Date") | 1 | MC | At least one of rows 1, 2, 3, 4, 5, 6 shall be present. May be present only if (111055, DCM, "Recommended Follow-up Interval") is not present. | Shall be later than date of exam |
| 7 | | | NUM | (111013, DCM, "Certainty of impression") | 1 | UC | May be present only if (111005, DCM, "Assessment Category"), (111023, DCM, "Differential Diagnosis/Impression") or (111033, DCM, "Impression Description") is present. | UNITS = (%, UCUM, "Percent")<br>Values = 0 – 100 |
| 8 | | | INCLUDE | DTID (4019)<br>"CAD Algorithm Identification" | 1-n | M | | |

**Content Item Descriptions**

| | |
|---|---|
| Certainty of Impression | The certainty that the device populating the Mammography CAD SR report places on this impression, where 0 equals no certainty and 100 equals certainty. |
| Impression Description | Free-form text describing the overall or an individual impression |



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### TID 4003 Mammography CAD Individual Impression/Recommendation Template

This template collects an individual impression the mammography CAD device had for a lesion, non-lesion object, or correlation of related objects. The details of the impression and recommendation are expressed in the Mammography CAD Impression/Recommendation Body (see TID 4002). The data from which the details are inferred are expressed in the Composite Features (see TID 4004) and/or Single Image Findings (see TID 4006) of which there may be several.

The sub-tree headed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

**TID 4003**
**MAMMOGRAPHY CAD INDIVIDUAL IMPRESSION/RECOMMENDATION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | (111034, DCM, "Individual Impression/ Recommendation") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | (111056, DCM, "Rendering Intent") | 1 | M | | DCID (6034) "Intended Use of CAD Output" |
| 3 | > | CONTAINS | INCLUDE | DTID (4002) "Mammography CAD Impression / Recommendation Body" | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (4004) "Mammography CAD Composite Feature" | 1-n | MC | At least one of rows 4, 5 shall be present. | |
| 5 | > | CONTAINS | INCLUDE | DTID (4006) "Mammography CAD Single Image Finding" | 1-n | MC | At least one of rows 4, 5 shall be present. | |

**Content Item Descriptions**

| | |
|---|---|
| Rendering Intent | This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior. |



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### TID 4004 Mammography CAD Composite Feature Template

This template collects a composite feature for a lesion, non-lesion object, or correlation of related objects. The details of the composition are expressed in the Mammography CAD Composite Feature Body (see TID 4005). The data from which the details are inferred, are expressed in the Composite Features (see TID 4004) and/or Single Image Findings (see TID 4006), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

**TID 4004**
**MAMMOGRAPHY CAD COMPOSITE FEATURE**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111015, DCM, "Composite Feature") | 1 | M | | DCID (6016) "Mammography Composite Feature" |
| 2 | > | HAS CONCEPT MOD | CODE | (111056, DCM, "Rendering Intent") | 1 | M | | DCID (6034) "Intended Use of CAD Output" |
| 3 | > | HAS PROPERTIES | INCLUDE | DTID (4005) "Mammography CAD Composite Feature Body" | 1 | M | | |
| 4 | > | INFERRED FROM | INCLUDE | DTID (4004) "Mammography CAD Composite Feature" | 1-n | MC | At least two items shall be present: two of row 4, two of row 5, or one of each. | |
| 5 | > | INFERRED FROM | INCLUDE | DTID (4006) "Mammography CAD Single Image Finding" | 1-n | MC | At least two items shall be present: two of row 4, two of row 5, or one of each. | |
| 6 | > | HAS OBS CONTEXT | INCLUDE | DTID (4022) "CAD Observation Context" | 1 | MC | Shall be present only if this feature is incorporated from a different report than its parent. | |

**Content Item Descriptions**

| | |
|---|---|
| Rendering Intent | This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior. |



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### TID 4005 Mammography CAD Composite Feature Body Template

The details of a composite feature are expressed in this template. It is applied to Mammography CAD Composite Feature (TID 4004).

**TID 4005**
**MAMMOGRAPHY CAD COMPOSITE FEATURE BODY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111016, DCM, "Composite type") | 1 | M | | DCID (6035) "Composite Feature Relations ". The value shall be (111155, DCM, "Target content items are related contra-laterally") if the parent content item has code value (F-01792, SRT, "Focal asymmetric breast tissue") or (F-01793, SRT, "Asymmetric breast tissue"). |
| 2 | | | CODE | (111057, DCM, "Scope of Feature") | 1 | M | | DCID (6036) "Scope of Feature" |
| 3 | | | INCLUDE | DTID (4019) "CAD Algorithm Identification" | 1 | M | | |
| 4 | | | NUM | (111011, DCM, "Certainty of Feature") | 1 | U | | UNITS = (%, UCUM, "Percent") Value = 0 – 100 |
| 5 | | | NUM | (111047, DCM, "Probability of cancer") | 1 | UC | May be present only if value of parent is not (111102, DCM, "Non-lesion") | UNITS = (%, UCUM, "Percent") Value = 0 – 100 |
| 6 | | | CODE | (111042, DCM, "Pathology") | 1-n | U | | BCID (6030) "Mammography Pathology Codes" |
| 7 | | | INCLUDE | DTID (1400) "Linear Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1400) "Linear Measurement" shall be used. |
| 8 | | | INCLUDE | DTID (1401) "Area Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1401) "Area Measurement" shall be used. |
| 9 | | | INCLUDE | DTID (1402) "Volume Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) "Volume Measurement" shall be used. |
| 10 | | | INCLUDE | DTID (4021) "Mammography CAD Geometry" | 1-n | U | | |
| 11 | | | NUM | DCID (6037) "Mammography Quantitative Temporal Difference Type" | 1-n | UC | May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related temporally") | UNITS = DCID (7460) "Units of Linear Measurement", DCID (7461) "Units of Area Measurement", DCID (7462) "Units of Volume Measurement" or (1, UCUM, "no units") |
| 12 | > | R-INFERRED FROM | NUM | | 2 | U | | The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 11 |
| 13 | | | CODE | (111049, DCM, "Qualitative Difference") | 1-n | UC | May be present only if the value of (111016, DCM, "Composite type") is (111153, DCM, "Target content items are related | DCID (6038) "Mammography Qualitative Temporal Difference Type" |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | temporally") | |
| 14 | > | HAS PROPERTIES | TEXT | (111021, DCM, "Description of Change") | 1 | U | | |
| 15 | > | R-INFERRED FROM | CODE | | 2 | M | | The referenced code values shall have the same Concept Name and be from the same context group. |
| 16 | | | CODE | (111048, DCM, "Quadrant location") | 1 | U | | DCID (6020) "Quadrant Location" |
| 17 | | | CODE | (111014, DCM, "Clockface or region") | 1 | U | | DCID (6018) "Clockface Location or Region" |
| 18 | | | CODE | (111020, DCM, "Depth") | 1 | U | | DCID (6024) "Depth" |
| 19 | | | CODE | (111035, DCM, "Lesion Density") | 1 | UC | May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density") | DCID (6008) "Density Modifier" |
| 20 | | | CODE | (M-020F9, SNM3, "Shape") | 1 | UC | May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density") | DCID (6004) "Mammography Characteristics of Shape" |
| 21 | | | CODE | (111037, DCM, "Margins") | 1-n | UC | May be present only if value of parent is (F-01791, SRT, "Mammographic breast mass") or (F-01796,SRT,"Mammography breast density") | DCID (6006) "Mammography Characteristics of Margin" |
| 22 | | | CODE | (111009, DCM, "Calcification Type") | 1-n | UC | May be present only if value of parent is (F-01775,SRT, "Calcification Cluster") or (F-01776,SRT, "Individual Calcification") | DCID (6010) "Mammography Calcification Types" |
| 23 | | | CODE | (111008, DCM, "Calcification Distribution") | 1 | UC | May be present only if value of parent is (F-01775,SRT, "Calcification Cluster") | DCID (6012) "Calcification Distribution Modifier" |
| 24 | | | NUM | (111038, DCM, "Number of calcifications") | 1 | UC | May be present only if value of parent is (F-01775,SRT, "Calcification Cluster") | UNITS = (1, UCUM, "no units") Value = Integer 1 – n |
| 25 | | | NUM | DCID (6142) Calculated Value | 1-n | U | | |
| 26 | > | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | 1 | M | | DCID (6140) Calculation Methods |
| 27 | > | INFERRED FROM | TEXT | EV (112034, DCM, "Calculation Description") | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Certainty of Feature | The likelihood that the feature analyzed, and classified by the CODE specified in the Composite Feature parent template, is in fact that type of feature. |
| Volume Measurement | If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID (1400) Linear Measurement. |



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| | |
|---|---|
| Row 11 | Values ≤ 0 are allowed. The two referenced numeric values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature. Given the equation, A – B, the value representing A shall be referenced first. |
| Qualitative Difference | The two referenced code values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature. |



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### TID 4006 Mammography CAD Single Image Finding Template

This template describes a single image finding for a lesion or other object. The details of the finding are expressed in this template and/or more specific templates. The details from which a single image Calcification Cluster is inferred may be expressed in a number of Single Image Findings (see TID 4006) of type Individual Calcification.

A Single Image Finding of type Breast Composition may be INFERRED FROM by-reference to a Single Image Finding of type Breast Geometry.

**TID 4006**
**MAMMOGRAPHY CAD SINGLE IMAGE FINDING**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV(111059, DCM, “Single Image Finding”) | 1 | M | | DCID (6014) “Mammography Single Image Finding” |
| 2 | > | HAS CONCEPT MOD | CODE | EV(111056, DCM, “Rendering Intent”) | 1 | M | | DCID (6034) “Intended Use of CAD Output” |
| 3 | >> | HAS PROPERTIES | NUM | (111071, DCM, “CAD Operating Point”) | 1 | UC | IFF value of row 2 is (111151, DCM, “Presentation Optional”) and row 9 of TID 4017 is present | UNITS = DT ({1:n}, UCUM, “range: 1:n”), where n is the maximum specified in Row 9 of TID 4017. Value is restricted to being an integer |
| 4 | > | HAS PROPERTIES | INCLUDE | DTID (4019) “CAD Algorithm Identification” | 1 | M | | |
| 5 | > | HAS PROPERTIES | NUM | EV(111012, DCM, “Certainty of Finding”) | 1 | U | | UNITS = EV(%, UCUM, “Percent”) Value = 0 – 100 |
| 6 | > | HAS PROPERTIES | NUM | EV(111047, DCM, “Probability of cancer”) | 1 | UC | May be present unless value of parent is (F-01710,SRT, “Breast composition”), (111100, DCM, “Breast geometry”), (T-04100, SNM3, “Nipple”), (111099, DCM, “Selected region”), (111101, DCM, “Image quality”) or (111102, DCM, “Non-lesion”) | UNITS = EV(%, UCUM, “Percent”) Value = 0 – 100 |
| 7 | > | HAS PROPERTIES | INCLUDE | DTID (4021) “Mammography CAD Geometry” | 1 | MC | Shall be present unless value of parent is (F-01710,SRT, “Breast composition”), (111100, DCM, “Breast geometry”) or (111101, DCM, “Image quality”) | |
| 8 | > | HAS PROPERTIES | INCLUDE | DTID (4007) “Mammography CAD Breast Composition” | 1 | MC | Shall be present only if value of parent is (F-01710,SRT, “Breast composition”) | |
| 9 | > | R-INFERRED FROM | CODE | | 1-n | UC | May be present only if value of parent is (F-01710,SRT, “Breast composition”) | Shall reference a (111059, DCM, “Single Image Finding”) of value: EV (111100, DCM, “Breast geometry”) |
| 10 | > | HAS PROPERTIES | INCLUDE | DTID (4008) “Mammography CAD Breast Geometry” | 1 | MC | Shall be present only if value of parent is (111100, DCM, “Breast geometry”) | |
| 11 | > | HAS PROPERTIES | INCLUDE | DTID (4009) “Mammography CAD Individual Calcification” | 1 | UC | May be present only if value of parent is (F-01776,SRT, “Individual Calcification”) | |
| 12 | > | HAS PROPERTIES | INCLUDE | DTID (4010) “Mammography CAD Calcification Cluster” | 1 | UC | May be present only if value of parent is (F-01775,SRT, “Calcification Cluster”) | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 13 | > | HAS PROPERTIES | INCLUDE | DTID (4011) "Mammography CAD Density" | 1 | UC | May be present only if value of parent is (F-01796,SRT,"Mammography breast density") | |
| 14 | > | HAS PROPERTIES | CODE | EV(111297,DCM, "Nipple Characteristic") | 1 | UC | May be present only if value of parent is (T-04100, SNM3, "Nipple") | DCID (6039) "Nipple Characteristic" |
| 15 | > | HAS PROPERTIES | INCLUDE | DTID (4012) "Mammography CAD Non-Lesion" | 1 | MC | Shall be present only if value of parent is (111102, DCM, "Non-lesion") | |
| 16 | > | HAS PROPERTIES | INCLUDE | DTID (4013) "Mammography CAD Selected Region" | 1 | MC | Shall be present only if value of parent is (111099, DCM, "Selected Region") | |
| 17 | > | R-INFERRED FROM | IMAGE | | 1 | MC | Shall be present only if value of parent is (111101, DCM, "Image quality") and row 18 is not present | Shall reference an IMAGE content item in the (111028, DCM, "Image Library") |
| 18 | > | HAS PROPERTIES | SCOORD | EV(111030, DCM, "Image Region") | 1-n | MC | Shall be present only if value of parent is (111101, DCM, "Image quality") and row 17 is not present | |
| 19 | >> | R-SELECTED FROM | IMAGE | | 1 | M | | All the (111030, DCM, "Image Region") content items in a single invocation of this template shall reference the same IMAGE content item in the (111028, DCM, "Image Library") |
| 20 | > | HAS PROPERTIES | INCLUDE | DTID (4014) "CAD Image Quality" | 1-n | MC | Shall be present only if value of parent is (111101, DCM, "Image quality") | $QualityFinding = DCID (6041) "Mammography Image Quality Finding",<br>$QualityStandard = DCID (6045) "Mammography Types of Quality Control Standard" |
| 21 | > | HAS PROPERTIES | NUM | DCID (6142) Calculated Value | 1-n | U | | |
| 22 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, "Derivation") | 1 | M | | DCID (6140) Calculation Methods |
| 23 | >> | INFERRED FROM | TEXT | EV (112034, DCM, "Calculation Description") | 1 | U | | |
| 24 | > | INFERRED FROM | INCLUDE | DTID (4006) "Mammography CAD Single Image Finding" | 1-n | UC | May be present only if value of parent is (F-01775,SRT, "Calcification Cluster") | EV (F-01776,SRT, "Individual Calcification") |
| 25 | > | HAS OBS CONTEXT | INCLUDE | DTID (4022) "CAD Observation Context" | 1 | MC | Shall be present only if this finding is incorporated from a different report than its parent. | |

**Content Item Descriptions**

| | |
|---|---|
| Rendering Intent | This content item constrains the SCP receiving the Mammography CAD SR IOD in its use of the contents of this template and its target content items. Mammography CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent mammography CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Storage SOP Classes for SCU and SCP Behavior. |



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| | |
|---|---|
| CAD Operating Point | Additional information to use when Rendering Intent is “Presentation Optional”. A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of “Presentation Required”. See PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior and PS 3.17 annex on Mammography. |
| Single Image Finding | A Single Image Finding (whose parent is a Single Image Finding of type Calcification Cluster) allows one level of nesting for the definition of individual calcifications within the cluster. To use this template recursively, this Single Image Finding code value shall be “Individual Calcification”. |
| Certainty of Finding | The likelihood that the finding detected, and classified by the CODE specified in the Single Image Finding parent template, is in fact that type of finding. |



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### TID 4007 Mammography CAD Breast Composition Template

**TID 4007**
**MAMMOGRAPHY CAD BREAST COMPOSITION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (F-01710,SRT, “Breast composition”) | 1 | MC | At least one of row 1 or 2 shall be present | DCID (6000) “Overall Breast Composition” |
| 2 | | | NUM | (111046, DCM, “Percent Glandular Tissue”) | 1 | MC | At least one of row 1 or 2 shall be present | UNITS = (%, UCUM, “Percent”)<br>Value = 0 – 100 |

**Content Item Descriptions**

| | |
|---|---|
| Percent Glandular Tissue | Percent of breast area that is mammographically dense. |

### TID 4008 Mammography CAD Breast Geometry Template

**TID 4008**
**MAMMOGRAPHY CAD BREAST GEOMETRY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | SCOORD | (111007, DCM, “Breast Outline Including Pectoral Muscle Tissue”) | 1 | M | | GRAPHIC TYPE = {POLYLINE} |
| 2 | > | R-SELECTED FROM | IMAGE | | 1 | M | | Shall reference an IMAGE content item in the (111028, DCM, “Image Library”) |
| 3 | | | SCOORD | (111045, DCM, “Pectoral Muscle Outline”) | 1 | U | | GRAPHIC TYPE = {POLYLINE} |
| 4 | > | R-SELECTED FROM | IMAGE | | 1 | M | | Shall reference the same node as row 2 |

**Content Item Descriptions**



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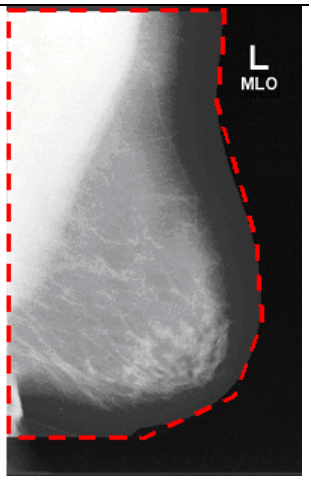
| | | | |
|---|---|---|---|
| Breast Outline Including Pectoral Muscle Tissue |  Example | Pectoral Muscle Outline |  Example |

**TID 4009 Mammography CAD Individual Calcification Template**

This template provides the detail specific to an individual calcification.

**TID 4009**
**MAMMOGRAPHY CAD INDIVIDUAL CALCIFICATION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111009, DCM, “Calcification Type”) | 1-n | MC | At least one of rows 1, 2, 3 shall be present | DCID (6010) “Mammography Calcification Types” |
| 2 | | | INCLUDE | DTID (1400) “Linear Measurement” | 1-n | MC | At least one of rows 1, 2, 3 shall be present | The by-reference relationship to the IMAGE in TID (1400) “Linear Measurement” shall be used. |
| 3 | | | INCLUDE | DTID (1401) “Area Measurement” | 1-n | MC | At least one of rows 1, 2, 3 shall be present | The by-reference relationship to the IMAGE in TID (1401) “Area Measurement” shall be used. |
| 4 | | | INCLUDE | DTID (1402) “Volume Measurement” | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) “Volume Measurement” shall be used. |

**TID 4010 Mammography CAD Calcification Cluster Template**

This template provides the detail specific to a calcification cluster.

**TID 4010**
**MAMMOGRAPHY CAD CALCIFICATION CLUSTER**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111009, DCM, “Calcification Type”) | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | DCID (6010) “Mammography Calcification Types” |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 2 | | | CODE | (111008, DCM, “Calcification Distribution”) | 1 | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | DCID (6012) “Calcification Distribution Modifier” |
| 3 | | | NUM | (111038, DCM, “Number of calcifications”) | 1 | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | UNITS = (1, UCUM, “no units”) Value = Integer >= 1 |
| 4 | | | INCLUDE | DTID (1400) “Linear Measurement” | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | The by-reference relationship to the IMAGE in TID (1400) “Linear Measurement” shall be used. |
| 5 | | | INCLUDE | DTID (1401) “Area Measurement” | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | The by-reference relationship to the IMAGE in TID (1401) “Area Measurement” shall be used. |
| 6 | | | INCLUDE | DTID (1402) “Volume Measurement” | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) “Volume Measurement” shall be used. |

### TID 4011 Mammography CAD Density Template

This template provides the detail specific to a density.

**TID 4011**
**MAMMOGRAPHY CAD DENSITY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111035, DCM, “Lesion Density”) | 1 | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | DCID (6008) “Density Modifier” |
| 2 | | | CODE | (M-020F9, SNM3, “Shape”) | 1 | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | DCID (6004) “Mammography Characteristics of Shape” |
| 3 | | | CODE | (111037, DCM, “Margins”) | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | DCID (6006) “Mammography Characteristics of Margin” |
| 4 | | | INCLUDE | DTID (1400) “Linear Measurement” | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | The by-reference relationship to the IMAGE in TID (1400) “Linear Measurement” shall be used. |
| 5 | | | INCLUDE | DTID (1401) “Area Measurement” | 1-n | MC | At least one of rows 1, 2, 3, 4, 5 shall be present | The by-reference relationship to the IMAGE in TID (1401) “Area Measurement” shall be used. |
| 6 | | | INCLUDE | DTID (1402) “Volume Measurement” | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) “Volume Measurement” shall be used. |



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### TID 4012 Mammography CAD Non-Lesion Template

This template provides the detail specific to a finding other than a lesion (see CID 6040).

**TID 4012**
**MAMMOGRAPHY CAD NON-LESION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | (111039, DCM, "Object type") | 1 | M | | DCID (6040) "Non-Lesion Object Type" |
| 2 | | | INCLUDE | DTID (1400) "Linear Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1400) "Linear Measurement" shall be used. |
| 3 | | | INCLUDE | DTID (1401) "Area Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1401) "Area Measurement" shall be used. |
| 4 | | | INCLUDE | DTID (1402) "Volume Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) "Volume Measurement" shall be used. |

### TID 4013 Mammography CAD Selected Region Template

This template provides the detail specific to a selected region. A selected region is any mammography CAD derived arbitrary region of the image, whether within the breast outline or not. This can be use to delineate regions such as the intramammary fold.

**TID 4013**
**MAMMOGRAPHY CAD SELECTED REGION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | (111058, DCM, "Selected Region Description") | 1 | M | | |
| 2 | | | INCLUDE | DTID (1400) "Linear Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1400) "Linear Measurement" shall be used. |
| 3 | | | INCLUDE | DTID (1401) "Area Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1401) "Area Measurement" shall be used. |
| 4 | | | INCLUDE | DTID (1402) "Volume Measurement" | 1-n | U | | The by-reference relationship to the IMAGE in TID (1402) "Volume Measurement" shall be used. |

### TID 4014 CAD Image Quality Template

This template provides the detail specific to image quality. It allows the encoding of descriptors of image quality (e.g., CID 6041) for a given image or region of an image. For instance, images with partial motion blur can be identified with the region noted.



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| Parameter Name | Parameter Usage |
|---|---|
| $QualityFinding | Coded term or Context Group for Quality Finding |
| $QualityStandard | Coded term or Context Group for Quality Control Standard |

**TID 4014**
**CAD IMAGE QUALITY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV(111052, DCM, "Quality Finding") | 1 | M | | $QualityFinding |
| 2 | > | HAS PROPERTIES | CODE | EV(111050, DCM, "Quality Assessment") | 1 | U | | DCID (6044) "Types of Image Quality Assessment" |
| 3 | > | HAS PROPERTIES | CODE | EV(111051, DCM, "Quality Control Standard") | 1 | UC | Shall be present if row 2 is present. | $QualityStandard |
| 4 | > | HAS PROPERTIES | NUM | EV(111029, DCM, "Image Quality Rating") | 1 | U | | UNITS = EV({0:100}, UCUM, "range:0:100")<br>Value = 0 – 100 |

**Content Item Descriptions**

| | |
|---|---|
| Image Quality Rating | A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality. |

**TID 4015 CAD Detections Performed Template**

This template gathers two lists of detection algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) detection results.

The sub-tree formed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

| Parameter Name | Parameter Usage |
|---|---|
| $DetectionCode | Coded term or Context Group for Detection Performed |

**TID 4015**
**CAD DETECTIONS PERFORMED**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV(111063, DCM, "Successful Detections") | 1 | MC | Shall be present only if value of parent is (111222, DCM, "Succeeded") or (111223, DCM, "Partially Succeeded") | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 2 | > | CONTAINS | INCLUDE | DTID (4017) "CAD Detection Performed" | 1-n | M | | $DetectionCode = $DetectionCode |
| 3 | | | CONTAINER | EV(111025, DCM, "Failed Detections") | 1 | MC | Shall be present only if value of parent is (111224, DCM, "Failed") or (111223, DCM, "Partially Succeeded") | |
| 4 | > | CONTAINS | INCLUDE | DTID (4017) "CAD Detection Performed" | 1-n | M | | $DetectionCode = $DetectionCode |

**TID 4016 CAD Analyses Performed Template**

This template gathers two lists of analysis algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in this sub-tree of the Document Root (e.g., TID 4000). This information forms the basis for understanding why a CAD report may produce no (or fewer than anticipated) analysis results.

The sub-tree formed by this template is illustrated in PS 3.17 in the Annex on Mammography CAD SR Content Tree Structure.

| Parameter Name | Parameter Usage |
|---|---|
| $AnalysisCode | Coded term or Context Group for Analysis Performed |

**TID 4016**
**CAD ANALYSES PERFORMED**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV(111062, DCM, "Successful Analyses") | 1 | MC | Shall be present only if value of parent is (111222, DCM, "Succeeded") or (111223, DCM, "Partially Succeeded") | |
| 2 | > | CONTAINS | INCLUDE | DTID (4018) "CAD Analysis Performed" | 1-n | M | | $AnalysisCode=$AnalysisCode |
| 3 | | | CONTAINER | EV(111024, DCM, "Failed Analyses") | 1 | MC | Shall be present only if value of parent is (111224, DCM, "Failed") or (111223, DCM, "Partially Succeeded") | |
| 4 | > | CONTAINS | INCLUDE | DTID (4018) "CAD Analysis Performed" | 1-n | M | | $AnalysisCode=$AnalysisCode |

**TID 4017 CAD Detection Performed Template**

This template fully identifies a detection algorithm and the images and/or image regions on which it operated (see TID 4015).

| Parameter Name | Parameter Usage |
|---|---|
| $DetectionCode | Coded term or Context Group for Detection Performed |



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**TID 4017**
**CAD DETECTION PERFORMED**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV(111022, DCM, “Detection Performed”) | 1 | M | | $DetectionCode |
| 2 | > | HAS PROPERTIES | INCLUDE | DTID (4019) “CAD Algorithm Identification” | 1 | M | | |
| 3 | > | HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 4 | > | R-HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3,4,5 or 6 shall be present | Shall reference IMAGE content item(s) in the (111028, DCM, “Image Library”) |
| 5 | > | HAS PROPERTIES | UIDREF | EV(112002,DCM,”Series Instance UID”) | 1-n | MC | At least one of row 3,4,5 or 6 shall be present | |
| 6 | > | HAS PROPERTIES | SCOORD | EV(111030, DCM, “Image Region”) | 1-n | MC | At least one of row 3,4,5 or 6 shall be present | |
| 7 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR row 8 | |
| 8 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 7 | Shall reference an IMAGE content item in the (111028, DCM, “Image Library”) |
| 9 | > | | INCLUDE | DTID (4023) CAD Operating Points | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| CAD Algorithm Identification | If more than one detection algorithm has the same “Detection Performed” code value (e.g., CID 6014) then the “CAD Algorithm Identification” shall unambiguously distinguish between algorithms. |
| Rows 3 - 6 | When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 4 and/or row 6 shall be present. When this template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. |
| Rows 7 - 8 | When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. When this template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. |

**TID 4018 CAD Analysis Performed Template**

This template fully identifies an analysis algorithm and the images and/or image regions on which it operated (see TID 4016).

| Parameter Name | Parameter Usage |
|---|---|
| $AnalysisCode | Coded term or Context Group for Analysis Performed |



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**TID 4018**
**CAD ANALYSIS PERFORMED**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV(111004, DCM, "Analysis Performed") | 1 | M | | $AnalysisCode |
| 2 | > | HAS PROPERTIES | INCLUDE | DTID (4019) "CAD Algorithm Identification" | 1 | M | | |
| 3 | > | HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 4 | > | R-HAS PROPERTIES | IMAGE | | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | Shall reference IMAGE content item(s) in the (111028, DCM, "Image Library") |
| 5 | > | HAS PROPERTIES | UIDREF | EV(112002,DCM,"Series Instance UID") | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 6 | > | HAS PROPERTIES | SCOORD | EV(111030, DCM, "Image Region") | 1-n | MC | At least one of row 3, 4, 5 or 6 shall be present | |
| 7 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR Row 8 | |
| 8 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR Row 7 | Shall reference an IMAGE content item in the (111028, DCM, "Image Library") |

**Content Item Descriptions**

| | |
|---|---|
| CAD Algorithm Identification | If more than one analysis algorithm has the same "Analysis Performed" code value (e.g., CID 6043) then the "CAD Algorithm Identification" shall unambiguously distinguish between algorithms. |
| Rows 3 - 6 | When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, and a total of at least two instances of row 4 or row 6 shall be present. When this template is invoked for the Chest CAD SR, the Image Library is optional, thus any combination of rows 3, 4, 5 and 6 may be present. |
| Rows 7 - 8 | When this template is invoked for the Mammography CAD SR, the Image Library is mandatory, thus only row 8 shall be present. When this template is invoked for the Chest CAD SR, the Image Library is optional, thus row 7 or 8 may be present. |

**TID 4019 CAD Algorithm Identification Template**

This template details the algorithm unambiguously. Re-state the software identification from the General Equipment Module of the SR IOD if all algorithms are unambiguously defined by that module.



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**TID 4019**
**CAD ALGORITHM IDENTIFICATION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | EV(111001, DCM, “Algorithm Name”) | 1 | M | | |
| 2 | | | TEXT | EV (111003, DCM, “Algorithm Version”) | 1 | M | | |
| 3 | | | TEXT | EV (111002, DCM, “Algorithm Parameters”) | 1-n | U | | |



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**TID 4020 CAD Image Library Entry Template**

Each instance of the Image Library Entry template contains the Image SOP Class and Instance UIDs, and selected attributes for an image. If values for the attributes are not present in the Image SOP Instance, then as many of the attributes as possible should be derived.

| Parameter Name | Parameter Usage |
|---|---|
| $ImageLaterality | Coded term or Context Group for Image Laterality |
| $ImageView | Coded term or Context Group for Image View |
| $ImageViewMod | Coded term or Context Group for Image View Modifier |

**TID 4020**
**CAD IMAGE LIBRARY ENTRY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | IMAGE | | 1 | M | | |
| 2 | > | HAS ACQ CONTEXT | CODE | EV(111027, DCM, “Image Laterality”) | 1 | MC | Shall be present if (0020,0062) is in the Image Instance | $ImageLaterality |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (111031, DCM, “Image View”) | 1 | MC | Shall be present if (0054,0220) is in the Image Instance | $ImageView |
| 4 | >> | HAS CONCEPT MOD | CODE | EV (111032, DCM, “Image View Modifier”) | 1-n | MC | Shall be present if (0054,0222) is in the Image Instance | $ImageViewMod |
| 5 | > | HAS ACQ CONTEXT | TEXT | EV (111044, DCM, “Patient Orientation Row”) | 1 | MC | Shall be present if (0020,0020) is in the Image Instance | |
| 6 | > | HAS ACQ CONTEXT | TEXT | EV (111043, DCM, “Patient Orientation Column”) | 1 | MC | Shall be present if (0020,0020) is in the Image Instance | |
| 7 | > | HAS ACQ CONTEXT | DATE | EV (111060, DCM, “Study Date”) | 1 | MC | Shall be present if (0008,0020) is in the Image Instance | |
| 8 | > | HAS ACQ CONTEXT | TIME | EV (111061, DCM, “Study Time”) | 1 | MC | Shall be present if (0008,0030) is in the Image Instance | |
| 9 | > | HAS ACQ CONTEXT | DATE | EV (111018, DCM, “Content Date”) | 1 | MC | Shall be present if (0008,0023) is in the Image Instance | |
| 10 | > | HAS ACQ CONTEXT | TIME | EV (111019, DCM, “Content Time”) | 1 | MC | Shall be present if (0008,0033) is in the Image Instance | |
| 11 | > | HAS ACQ CONTEXT | NUM | EV (111026, DCM, “Horizontal Pixel Spacing”) | 1 | MC | Shall be present if (0018,1164) or (0028,0030) is in the Image Instance | UNITS = EV (um, UCUM, “micrometer”) |
| 12 | > | HAS ACQ CONTEXT | NUM | EV (111066, DCM, “Vertical Pixel Spacing”) | 1 | MC | Shall be present if (0018,1164) or (0028,0030) is in the Image Instance | UNITS = EV (um, UCUM, “micrometer”) |
| 13 | > | HAS ACQ CONTEXT | NUM | EV (112011, DCM, “Positioner Primary Angle”) | 1 | UC | May be present if (0018,1510) is in the Image Instance | |
| 14 | > | HAS ACQ CONTEXT | NUM | EV (112012, DCM, “Positioner Secondary Angle”) | 1 | UC | May be present if (0018,1511) is in the Image Instance | |

**Content Item Descriptions**

| | |
|---|---|
| Patient Orientation Row | First (row) and Second (column) components of Patient Orientation (0020,0020) in the Image IOD. See PS 3. C.7.6.1.1.1. |



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| | |
|---|---|
| Patient Orientation Column | (0020,0020) in the Image IOD. See PS 3, C.7.6.1.1.1. |
| Horizontal Imager Pixel Spacing | The row (first) component of Imager Pixel Spacing (0018,1164) in the Image IOD. See PS 3, C.8.11.4. Convert the source spacing to micrometers. |
| Vertical Imager Pixel Spacing | The column (second) component of Imager Pixel Spacing (0018,1164) in the Image IOD. See PS 3, C.8.11.4. Convert the source spacing to micrometers. |



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### TID 4021 Mammography CAD Geometry Template

All geometry template invocations require specification of the location of the center of the object. Outline is optional.

**TID 4021**
**MAMMOGRAPHY CAD GEOMETRY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | SCOORD | EV(111010, DCM, “Center”) | 1 | M | | GRAPHIC TYPE = {POINT} |
| 2 | > | R-SELECTED FROM | IMAGE | | 1 | M | | Shall reference an IMAGE content item in the (111028, DCM, “Image Library”) |
| 3 | | | SCOORD | EV(111041, DCM, “Outline”) | 1 | U | | |
| 4 | > | R-SELECTED FROM | IMAGE | | 1 | M | | Shall reference the same content item as row 2 |
| 5 | | | SCOORD | DCID (6166) CAD Geometry Secondary Graphical Representation | 1-n | U | | |
| 6 | > | R-SELECTED FROM | IMAGE | | 1 | M | | Shall reference the same content item as row 2 |

### TID 4022 CAD Observation Context Template

This template is invoked when a content item, which may be the “root” of a sub-tree, is paraphrased from a prior SR document.

**TID 4022**
**CAD OBSERVATION CONTEXT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | COMPOSITE | EV(111040, DCM, “Original Source”) | 1 | MC | Shall be present if the original source is a DICOM object. | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) “Language of Content Item and Descendants” | 1 | M | | |
| 3 | | | INCLUDE | DTID (1001) “Observation Context” | 1 | M | | |

### TID 4023 CAD Operating Points

This template describes CAD operating points. The description is deliberately left flexible and optional to allow implementation at differing levels of complexity.

**TID 4023**
**CAD OPERATING POINTS**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | HAS | NUM | (111072, DCM, “Maximum | 1 | M | | UNITS = DT ([arb’U], UCUM, |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | PROPERTIES | | CAD Operating Point") | | | | "arbitrary unit")<br>Value is restricted to being an integer |
| 2 | | HAS PROPERTIES | NUM | (111092, DCM, "Recommended CAD Operating Point") | 1 | U | | UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value specified in row 1<br>Value is restricted to being an integer |
| 3 | | HAS PROPERTIES | CONTAINER | (111093,DCM,"CAD Operating Point Table") | 1 | U | | |
| 4 | > | CONTAINS | CODE | (122698, DCM, "X-Concept") | 1 | M | | DCID (6048) CAD Operating Point Axis Label |
| 5 | > | CONTAINS | CODE | (122699, DCM, "Y-Concept") | 1 | M | | DCID (6048) CAD Operating Point Axis Label |
| 6 | > | CONTAINS | NUM | (111071, DCM, "CAD Operating Point") | 1-n | M | Number of instances of this row shall equal value of row 1, plus 1. | UNITS = DT ({0:n}, UCUM, "range: 0:n"), where n is the value of Row 1. Value is restricted to being an integer that is unique within the invocation of this template. |
| 7 | >> | HAS PROPERTIES | TEXT | (111081, DCM, "CAD Operating Point Description") | 1 | U | | |
| 8 | >> | HAS PROPERTIES | NUM | The value of Row 4 | 1 | M | | |
| 9 | >> | HAS PROPERTIES | NUM | The value of Row 5 | 1 | M | | |

**Content Item Descriptions**

| | |
|---|---|
| Maximum CAD Operating Point | The maximum possible value of CAD Operating Point for this type of Detection Performed. No CAD Operating Point value recorded in the CAD Processing and Findings Summary sub-tree of the report for this type of Detection Performed shall exceed this value. The report may or may not contain Rendering Intent = "Presentation Optional" detections that are assigned the maximum value. |
| Recommended CAD Operating Point | A number indicating which of the CAD operating points is recommended by the creator of a CAD SR instance as the first operating point to be used when rendering the CAD SR instance contents. Subsequent changes to the displayed operating point are implementation dependent. |



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## CHEST CAD SR IOD TEMPLATES

The templates that comprise the Chest CAD SR IOD are interconnected as in Figure A-9. In Figure A-9, '• • •' indicates possible recursive application of subordinate templates.

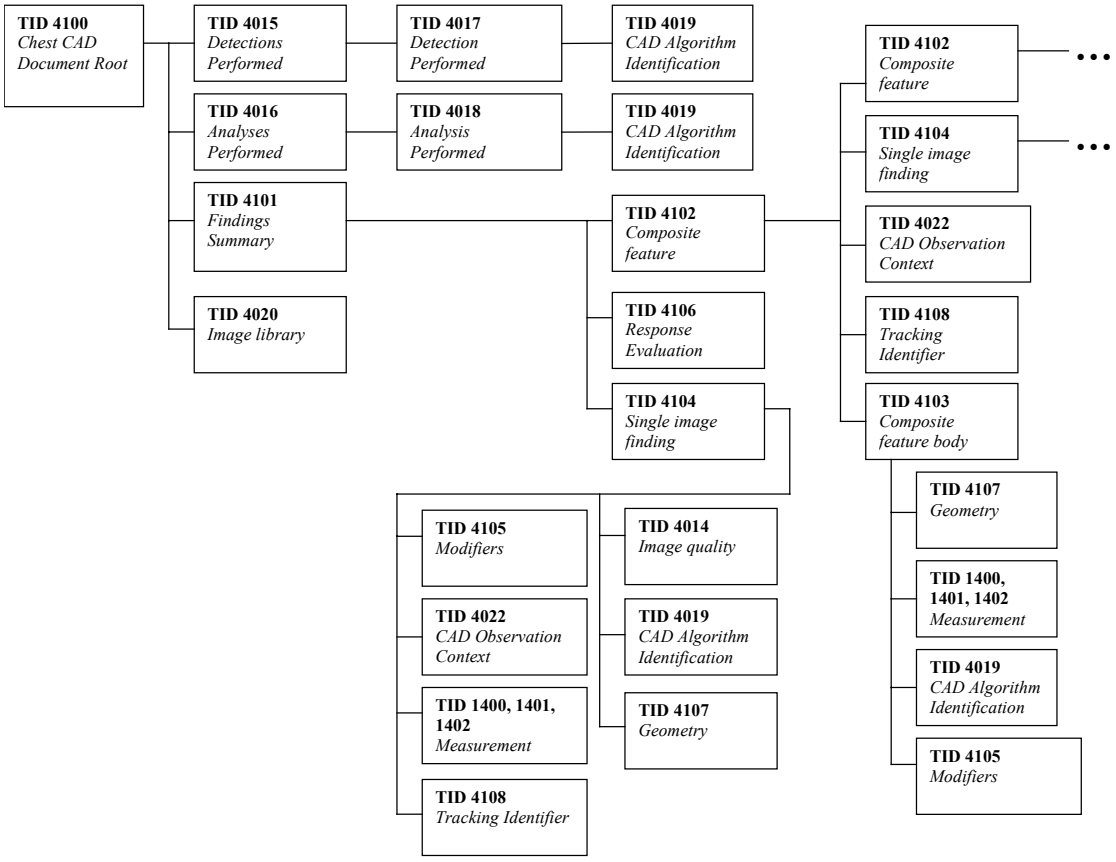


**Figure A-9: Chest CAD SR IOD Template Structure**



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### TID 4100 Chest CAD Document Root Template

This template forms the top of a content tree that allows a chest CAD device to describe the results of detection and analysis of chest evidence. This template, together with its subordinate templates, describes both the results for presentation to radiologists and partial product results for consumption by chest CAD devices in subsequent chest CAD reports.

This template defines a Container that contains an Image Library, the CAD results, and summaries of the detection and analysis algorithms performed. The Image Library contains the Image SOP Class and Instance UIDs, and selected attributes for each image referenced in either the algorithm summaries or chest CAD results.

The atomic CAD results of Single Image Findings and Composite Features are described in the Chest CAD Findings Summary sub-tree.

The Summary of Detections and Summary of Analyses sub-trees gather lists of algorithms attempted, grouped by success/failure status. Algorithms not attempted are not mentioned in these sub-trees. This information forms the basis for understanding why a chest CAD report may produce no (or fewer than anticipated) results. Chest CAD results are constructed bottom-up, starting from Single Image Findings (see TID 4104), associated as Composite Features (see TID 4102).

See the figure entitled “Top Levels of Chest CAD SR Content Tree” in the “Chest CAD” Annex of PS 3.17.

**TID 4100**
**CHEST CAD DOCUMENT ROOT**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (112000, DCM, “Chest CAD Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 3 | > | CONTAINS | CONTAINER | EV (111028, DCM, “Image Library”) | 1 | U | | |
| 4 | >> | CONTAINS | INCLUDE | DTID (4020) CAD Image Library Entry | 1-n | M | | $ImageLaterality = DCID (244) Laterality<br>$ImageView = DCID (4010) DX View<br>$ImageViewMod = DCID (4011) DX View Modifier |
| 5 | > | CONTAINS | INCLUDE | DTID (4101) Chest CAD Findings Summary | 1 | M | | |
| 6 | > | CONTAINS | CODE | EV (111064, DCM, “Summary of Detections”) | 1 | M | | DCID (6042) Status of Results |
| 7 | >> | INFERRED FROM | INCLUDE | DTID (4015) CAD Detections Performed | 1 | MC | Shall be present unless the value of row 6 is (111225, DCM, “Not Attempted”) | $DetectionCode = DCID (6101) Chest Finding or Feature, DCID (6102) Chest Finding or Feature Modifier |
| 8 | > | CONTAINS | CODE | EV (111065, DCM, “Summary of Analyses”) | 1 | M | | DCID (6042) Status of Results |
| 9 | >> | INFERRED FROM | INCLUDE | DTID (4016) CAD Analyses Performed | 1 | MC | Shall be present unless the value of row 8 is (111225, DCM, “Not Attempted”) | $AnalysisCode = DCID (6137) Types of Chest CAD Analysis |

**Content Item Descriptions**

| | |
|---|---|
| Image Library | The “Image Library” section of the Content Tree (TID 4100, row 3) may include all Image SOP Instances from the Current Requested Procedure |



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| | |
|---|---|
| | Evidence Sequence (0040,A375) attribute of the SR Document General module. If a portion of another instance of a Chest CAD SR IOD is duplicated in the “Chest CAD Findings Summary” section of the Content Tree, the “Image Library” may also include all Image Library Entries referenced from the duplicated portions of the Chest CAD SR.<br><br>The Image Library is intended to be used in cases where the acquisition context content items differ from image to image, such as different views and/or laterality in projection X-ray. |
| Detections Performed | The “Detections Performed” and “Analyses Performed” sections of the Content Tree (TID 4100, rows 7 and 9) together shall reference all Image SOP Instances included in the Current Requested Procedure Evidence Sequence (0040,A375) attribute of the SR Document General module. |
| Analyses Performed | |



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### TID 4101 Chest CAD Findings Summary Template

The contents of this template describe the findings and aggregate features that the chest CAD device detected for the chest evidence presented. This template forms the chest CAD results sub-tree of the Chest CAD Document Root (TID 4100). The data from which the details are inferred are expressed in the Composite Features (see TID 4102) and/or Single Image Findings (see TID 4104), of which there may be several.

The sub-tree headed by this template is illustrated in the figure entitled “Example of CAD Processing and Findings Summary sub-tree of Chest CAD SR Content Tree” in the “Chest CAD” Annex of PS 3.17.

**TID 4101**
**CHEST CAD FINDINGS SUMMARY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (111017, DCM, “CAD Processing and Findings Summary”) | 1 | M | | DCID (6047) CAD Processing and Findings Summary |
| 2 | > | INFERRED FROM | INCLUDE | DTID (4102) Chest CAD Composite Feature | 1-n | U | | |
| 3 | > | INFERRED FROM | INCLUDE | DTID (4104) Chest CAD Single Image Finding | 1-n | U | | |
| 4 | > | HAS PROPERTIES | INCLUDE | DTID (4106) Response Evaluation | 1-n | U | | |

**Content Item Descriptions**

| | |
|---|---|
| CAD Processing and Findings Summary | This code value is used to express if and why the Chest CAD Findings Summary sub-tree is empty. The Summary of Detections and Summary of Analyses sub-trees of the Document Root node contain detail about which (if any) algorithms succeeded or failed.<br><br>If the code value indicates that there were no findings, then the code value can be used to determine whether chest CAD processing occurred successfully, without parsing the Summary of Detections and Summary of Analyses sub-trees. |



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### TID 4102 Chest CAD Composite Feature Template

This template collects a composite feature for a lesion, anatomy, non-lesion object, or correlation of related objects (see TID 4101). The details of the composition are expressed in the Chest CAD Composite Feature Body (see TID 4103). The data from which the details are inferred, are expressed in the Composite Features (see TID 4102) and/or Single Image Findings (see TID 4104), of which there may be several.

A Composite Feature shall be INFERRED FROM any combination of two or more Composite Features or Single Image Findings or mixture thereof.

**TID 4102**
**CHEST CAD COMPOSITE FEATURE**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (111015, DCM, “Composite Feature”) | 1 | M | | DCID (6101) Chest Finding or Feature |
| 2 | > | HAS CONCEPT MOD | CODE | EV (112023, DCM, “Composite Feature Modifier”) | 1 | U | | DCID (6102) Chest Finding or Feature Modifier |
| 3 | > | HAS CONCEPT MOD | TEXT | EV (112050, DCM, “Anatomic Identifier”) | 1 | U | | |
| 4 | > | HAS CONCEPT MOD | CODE | EV (112003, DCM, “Associated Chest Component”) | 1 | MC | Shall be present IFF value of row 1 is (112005, DCM, “Radiographic anatomy”) | DCID (6100) Chest Component Categories |
| 5 | > | HAS CONCEPT MOD | CODE | EV (112037, DCM, “Non-lesion Modifier”) | 1 | UC | May be present IFF value of row 1 is (111102, DCM, ”Non-lesion”) | DCID (6139) Non-lesion Modifiers |
| 6 | > | HAS CONCEPT MOD | CODE | EV (112038, DCM, “Osseous Modifier”) | 1 | UC | May be present IFF value of row 2 is from DCID (6114) Osseous Anatomy Finding or Feature | DCID (6115) Osseous Anatomy Modifiers |
| 7 | > | HAS CONCEPT MOD | CODE | EV (111056, DCM, “Rendering Intent”) | 1 | M | | DCID (6034) Intended Use of CAD Output |
| 8 | > | HAS OBS CONTEXT | INCLUDE | DTID (4108) Tracking Identifier | 1 | U | | |
| 9 | > | HAS OBS CONTEXT | CODE | EV (112016, DCM, “Baseline Category”) | 1 | U | | DCID (6145) Baseline Category |
| 10 | > | HAS OBS CONTEXT | INCLUDE | DTID (4022) CAD Observation Context | 1 | MC | Shall be present IFF this feature is duplicated from a different report than its parent. | |
| 11 | > | HAS OBS CONTEXT | INCLUDE | DTID (4019) CAD Algorithm Identification | 1 | M | | |
| 12 | > | HAS PROPERTIES | INCLUDE | DTID (4103) Chest CAD Composite Feature Body | 1 | M | | |
| 13 | > | INFERRED FROM | INCLUDE | DTID (4102) Chest CAD Composite Feature | 1-n | MC | At least two items shall be present: two of row 13, two of row 14, or one of each. | |
| 14 | > | INFERRED FROM | INCLUDE | DTID (4104) Chest CAD Single Image Finding | 1-n | MC | At least two items shall be present: two of row 13, two of row 14, or one of each. | |



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**Content Item Descriptions**

| | |
|---|---|
| Anatomic Identifier | An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as “Rib 1”, “Rib 2” or thoracic vertebrae “T1” or “T2”. |
| Rendering Intent | This content item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this template and its target content items. Chest CAD devices may opt to use data marked “Not for Presentation” or “Presentation Optional” as input to subsequent chest CAD processing steps. Refer to PS 3.4, Annex O Structured Reporting Standard SOP Classes for SCU and SCP Behavior. |



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### TID 4103 Chest CAD Composite Feature Body Template

The details of a composite feature are expressed in this template. It is applied to Chest CAD Composite Feature (TID 4102).

**TID 4103**
**CHEST CAD COMPOSITE FEATURE BODY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (111016, DCM, "Composite type") | 1 | M | | DCID (6035) Composite Feature Relations |
| 2 | | | CODE | EV (111057, DCM, "Scope of Feature") | 1 | M | | DCID (6036) Scope of Feature |
| 3 | | | NUM | EV (111011, DCM, "Certainty of feature") | 1 | U | | UNITS = EV (%, UCUM, "Percent")<br>Value = 0 – 100 |
| 4 | | | INCLUDE | DTID (4107) Chest CAD Geometry | 1 | U | | |
| 5 | | | INCLUDE | DTID (1400) Linear Measurement | 1-n | U | | |
| 6 | | | INCLUDE | DTID (1401) Area Measurement | 1-n | U | | |
| 7 | | | INCLUDE | DTID (1402) Volume Measurement | 1-n | U | | |
| 8 | | | INCLUDE | DTID (4105) Chest CAD Descriptors | 1 | U | | |
| 9 | | | NUM | DCID (6133) Chest Quantitative Temporal Difference Type | 1-n | UC | May be present IFF the value of row 1 is (111153, DCM, "Target content items are related temporally") | |
| 10 | > | R-INFERRED FROM | NUM | | 2 | U | | The referenced numeric values shall have the same Concept Name. Their UNITS shall be the same as row 9 |
| 11 | | | CODE | EV (111049, DCM, "Qualitative Difference") | 1-n | UC | May be present only if the value of row 1 is (111153, DCM, "Target content items are related temporally") | DCID (6134) Chest Qualitative Temporal Difference Type |
| 12 | > | HAS PROPERTIES | TEXT | EV (111021, DCM, "Description of Change") | 1 | U | | |
| 13 | > | R-INFERRED FROM | CODE | | 2 | M | | The referenced content items shall have the same Concept Name and their code values shall be from the same context group. |

**Content Item Descriptions**

| | |
|---|---|
| Certainty of Feature | The certainty of the CAD device that the feature analyzed and classified by the CODE, as specified in the Composite Feature parent template, is in fact that type of feature. |
| Volume Measurement | If dimensions for a volume are to be stated in terms of length, width, and depth, then one shall use 3 instances of TID (1400) Linear Measurement. |
| Row 9 | Values $\leq 0$ are allowed. The two referenced numeric values are target content items of the first generation Composite Feature or Single Image |



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| | |
|---|---|
| | Finding children of this composite feature. Given the equation, A – B, the value representing A shall be referenced first. |
| Qualitative Difference | The two referenced code values are target content items of the first generation Composite Feature or Single Image Finding children of this composite feature. |



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### TID 4104 Chest CAD Single Image Finding Template

This template describes a single image finding for a lesion or other object. The details of the finding are expressed in this template and/or more specific templates.

**TID 4104**
**CHEST CAD SINGLE IMAGE FINDING**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (111059, DCM, “Single Image Finding”) | 1 | M | | DCID (6101) Chest Finding or Feature |
| 2 | > | HAS CONCEPT MOD | CODE | EV (112024, DCM, “Single Image Finding Modifier”) | 1 | U | | DCID (6102) Chest Finding or Feature Modifier |
| 3 | > | HAS CONCEPT MOD | TEXT | EV (112050, DCM, “Anatomic Identifier”) | 1 | U | | |
| 4 | > | HAS CONCEPT MOD | CODE | EV (112003, DCM, “Associated Chest Component”) | 1 | MC | Shall be present IFF value of row 1 is (112005, DCM, “Radiographic anatomy”) | DCID (6100) Chest Component Categories |
| 5 | > | HAS CONCEPT MOD | CODE | EV (112037, DCM, “Non-lesion Modifier”) | 1 | UC | May be present IFF value of row 1 is (111102, DCM, ”Non-lesion”) | DCID (6139) Non-lesion Modifiers |
| 6 | > | HAS CONCEPT MOD | CODE | EV (111056, DCM, “Rendering Intent”) | 1 | M | | DCID (6034) Intended Use of CAD Output |
| 7 | >> | HAS PROPERTIES | NUM | (111071, DCM, “CAD Operating Point”) | 1 | UC | IFF value of row 6 is (111151, DCM, “Presentation Optional”) and row 9 of TID 4017 is present | UNITS = DT ({1:n}, UCUM, “range: 1:n”), where n is the maximum specified in Row 9 of TID 4017. Value is restricted to being an intege |
| 8 | > | HAS OBS CONTEXT | INCLUDE | DTID (4108) Tracking Identifier | 1 | U | | |
| 9 | > | HAS OBS CONTEXT | CODE | EV (112016, DCM, “Baseline Category”) | 1 | U | | DCID (6145) Baseline Category |
| 10 | > | HAS OBS CONTEXT | INCLUDE | DTID (4022) CAD Observation Context | 1 | MC | Shall be present IFF this finding is duplicated from a different report than its parent. | |
| 11 | > | HAS OBS CONTEXT | INCLUDE | DTID (4019) CAD Algorithm Identification | 1 | M | | |
| 12 | > | HAS PROPERTIES | NUM | EV (111012, DCM, “Certainty of Finding”) | 1 | U | | UNITS = EV (%, UCUM, “Percent”)<br>Value = 0 – 100 |
| 13 | > | HAS PROPERTIES | TEXT | EV (111058, DCM, “Selected Region Description”) | 1 | MC | Shall be present IFF value of row 1 is (111099, DCM, “Selected region”) | |
| 14 | > | HAS PROPERTIES | INCLUDE | DTID (4107) Chest CAD Geometry | 1 | MC | Shall be present unless value of row 1 is (111101, DCM, “Image quality”) | |
| 15 | > | HAS PROPERTIES | INCLUDE | DTID (1400) Linear Measurement | 1-n | U | | |
| 16 | > | HAS PROPERTIES | INCLUDE | DTID (1401) Area Measurement | 1-n | U | | |
| 17 | > | HAS PROPERTIES | INCLUDE | DTID (1402) Volume Measurement | 1-n | U | | |
| 18 | > | HAS PROPERTIES | INCLUDE | DTID (4105) Chest CAD Descriptors | 1 | U | | |
| 19 | > | INFERRED FROM | IMAGE | | 1 | MC | Shall be present IFF value of row 1 is (111101, DCM, “Image | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | FROM | | | | | quality") and rows 20 and 21 are not present | |
| 20 | > | R-INFERRED FROM | IMAGE | | 1 | MC | Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and rows 19 and 21 are not present | Shall reference an IMAGE content item in the (111028, DCM, "Image Library") |
| 21 | > | INFERRED FROM | SCOORD | EV (111030, DCM, "Image Region") | 1-n | MC | Shall be present IFF value of row 1 is (111101, DCM, "Image quality") and rows 19 and 20 are not present | |
| 22 | >> | SELECTED FROM | IMAGE | | 1 | MC | XOR row 23 | All the row 21 content items in a single invocation of this template shall reference the same IMAGE |
| 23 | >> | R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 22 | All the row 21 content items in a single invocation of this template shall reference the same IMAGE content item in the (111028, DCM, "Image Library") |
| 24 | > | HAS PROPERTIES | INCLUDE | DTID (4014) CAD Image Quality | 1 | MC | Shall be present IFF value of row 1 is (111101, DCM, "Image quality") | $QualityFinding = DCID (6135) Chest Image Quality Finding<br>$QualityStandard = DCID (6136) Chest Types of Quality Control Standard |

**Content Item Descriptions**

| | |
|---|---|
| Anatomic Identifier | An identifier of an anatomic feature when a multiplicity of features of that type may be present, such as "Rib 1", "Rib 2" or thoracic vertebrae "T1" or "T2". |
| Rendering Intent | This content item constrains the SCP receiving the Chest CAD SR IOD in its use of the contents of this template and its target content items. Chest CAD devices may opt to use data marked "Not for Presentation" or "Presentation Optional" as input to subsequent chest CAD processing steps. Refer to PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior. |
| CAD Operating Point | Additional information to use when Rendering Intent is "Presentation Optional". A CAD Operating Point of zero is not sent, and is encoded as a Rendering Intent of "Presentation Required". See PS 3.4 section on Structured Reporting Storage SOP Classes for SCU and SCP Behavior and PS 3.17 annex on Mammography. |
| Certainty of Finding | The certainty of the CAD device that the finding detected and classified by the Single Image Finding CODE specified is in fact that type of finding. |



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### TID 4105 Chest CAD Descriptors

This template provides qualitative detail for a Single Image Finding or Composite Feature. It is applied to Chest CAD Composite Feature (TID 4102) and Chest CAD Single Image Finding (TID 4104).

**TID 4105**
**CHEST CAD DESCRIPTORS**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (112025, DCM, “Size Descriptor”) | 1 | U | | DCID (6118) Size Descriptor |
| 2 | | | CODE | EV (112026, DCM, “Width Descriptor”) | 1 | U | | DCID (6107) Width Descriptor |
| 3 | | | CODE | EV (112015, DCM, “Border shape”) | 1 | U | | DCID (6119) Chest Border Shape |
| 4 | | | CODE | EV (112007, DCM, “Border definition”) | 1 | U | | DCID (6120) Chest Border Definition |
| 5 | | | CODE | EV (112014, DCM, “Orientation Descriptor”) | 1 | U | | DCID (6121) Chest Orientation Descriptor |
| 6 | | | CODE | EV (112009, DCM, “Type of Content”) | 1-n | U | | DCID (6122) Chest Content Descriptor |
| 7 | | | CODE | EV (112027, DCM, “Opacity Descriptor”) | 1 | U | | DCID (6123) Chest Opacity Descriptor |
| 8 | | | CODE | EV (112013, DCM, “Location in Chest”) | 1 | U | | DCID (6124) Location in Chest |
| 9 | | | CODE | EV (G-C171, SRT, “Laterality”) | 1 | U | | DCID (244) Laterality |
| 10 | | | CODE | EV (112006, DCM, “Distribution Descriptor”) | 1-n | U | | DCID (6128) Chest Distribution Descriptor |
| 11 | | | CODE | EV (112028, DCM, “Abnormal Distribution of Anatomic Structure”) | 1 | U | | DCID (6108) Chest Anatomic Structure Abnormal Distribution |
| 12 | | | CODE | EV (112008, DCM, “Site involvement”) | 1-n | U | | DCID (6129) Chest Site Involvement |
| 13 | | | CODE | EV (G-C197, SRT, “Severity”) | 1 | U | | DCID (6130) Severity Descriptor |
| 14 | | | CODE | EV (112010, DCM, “Texture Descriptor”) | 1 | U | | DCID (6131) Chest Texture Descriptor |
| 15 | | | CODE | EV (112030, DCM, “Calcification Descriptor”) | 1 | U | | DCID (6132) Chest Calcification Descriptor |
| 16 | | | NUM | DCID (6142) Calculated Value | 1-n | U | | |
| 17 | > | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | M | | DCID (6140) Calculation Methods |
| 18 | > | INFERRED FROM | NUM | EV (112032, DCM, “Threshold Attenuation Coefficient”) | 1 | U | | UNITS = EV ([hnsf'U], UCUM, “Hounsfield unit”) |
| 19 | > | INFERRED FROM | TEXT | EV (112034, DCM, “Calculation Description”) | 1 | U | | |
| 20 | | | NUM | DCID (6141) Attenuation Coefficient Measurements | 1-n | U | | UNITS = EV ([hnsf'U], UCUM, “Hounsfield unit”) |

### TID 4106 Response Evaluation

This template provides a means to report response evaluation to cancer treatment, based on a method such as RECIST or WHO.



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**TID 4106**
**RESPONSE EVALUATION**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (112020, DCM, “Response Evaluation”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | CODE | EV (112021, DCM, “Response Evaluation Method”) | 1 | M | | DT (112022, DCM “RECIST”) or DT (112029, DCM, “WHO”) |
| 3 | > | CONTAINS | CODE | EV (112048, DCM, “Current Response”) | 1 | U | | DCID (6143) Response Criteria |
| 4 | > | CONTAINS | CODE | EV (112049, DCM, “Best Overall Response”) | 1 | U | | DCID (6143) Response Criteria |
| 5 | > | CONTAINS | NUM | EV (112051, DCM, “Measurement of Response”) | 1 | U | | UNITS not specified |

### TID 4107 Chest CAD Geometry Template

All geometry template invocations require specification of either the location of the center of the object, the outline, or both. Geometry is a property of single image findings (see TID 4104) and composite features (see TID 4103).

**TID 4107**
**CHEST CAD GEOMETRY**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | SCOORD | EV (111010, DCM, “Center”) | 1 | MC | At least one of rows 1,4 shall be present. | GRAPHIC TYPE = {POINT} |
| 2 | > | SELECTED FROM | IMAGE | | 1 | MC | XOR row 3 | |
| 3 | > | R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 2 | Shall reference an IMAGE content item in the (111028, DCM, “Image Library”) |
| 4 | | | SCOORD | EV (111041, DCM, “Outline”) | 1 | MC | At least one of rows 1,4 shall be present. | |
| 5 | > | SELECTED FROM | IMAGE | | 1 | MC | XOR row 6 | Shall reference the same content item as row 2 |
| 6 | > | R-SELECTED FROM | IMAGE | | 1 | MC | XOR row 5 | Shall reference the same content item as row 3 |



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### TID 4108 Tracking Identifier

This template provides a means to identify an object for longitudinal tracking, potentially across multiple Structured Reports, over time.

**TID 4108**
**TRACKING IDENTIFIER**
**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | TEXT | EV (112039, DCM, "Tracking Identifier") | 1 | MC | At least one of row 1 or 2 shall be present. | A string of characters with case being non-significant. Leading and trailing spaces and control characters are forbidden. |
| 2 | | | UIDREF | EV (112040, DCM, "Tracking Unique Identifier") | 1 | MC | At least one of row 1 or 2 shall be present. | |

**Content Item Descriptions**

| | |
|---|---|
| Tracking Identifier | A human readable identifier for longitudinal tracking, e.g., "Watchlist Nodule 1". |



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**BREAST IMAGING REPORT TEMPLATES**

The templates that comprise the Breast Imaging Report are interconnected as in Figure A-10:

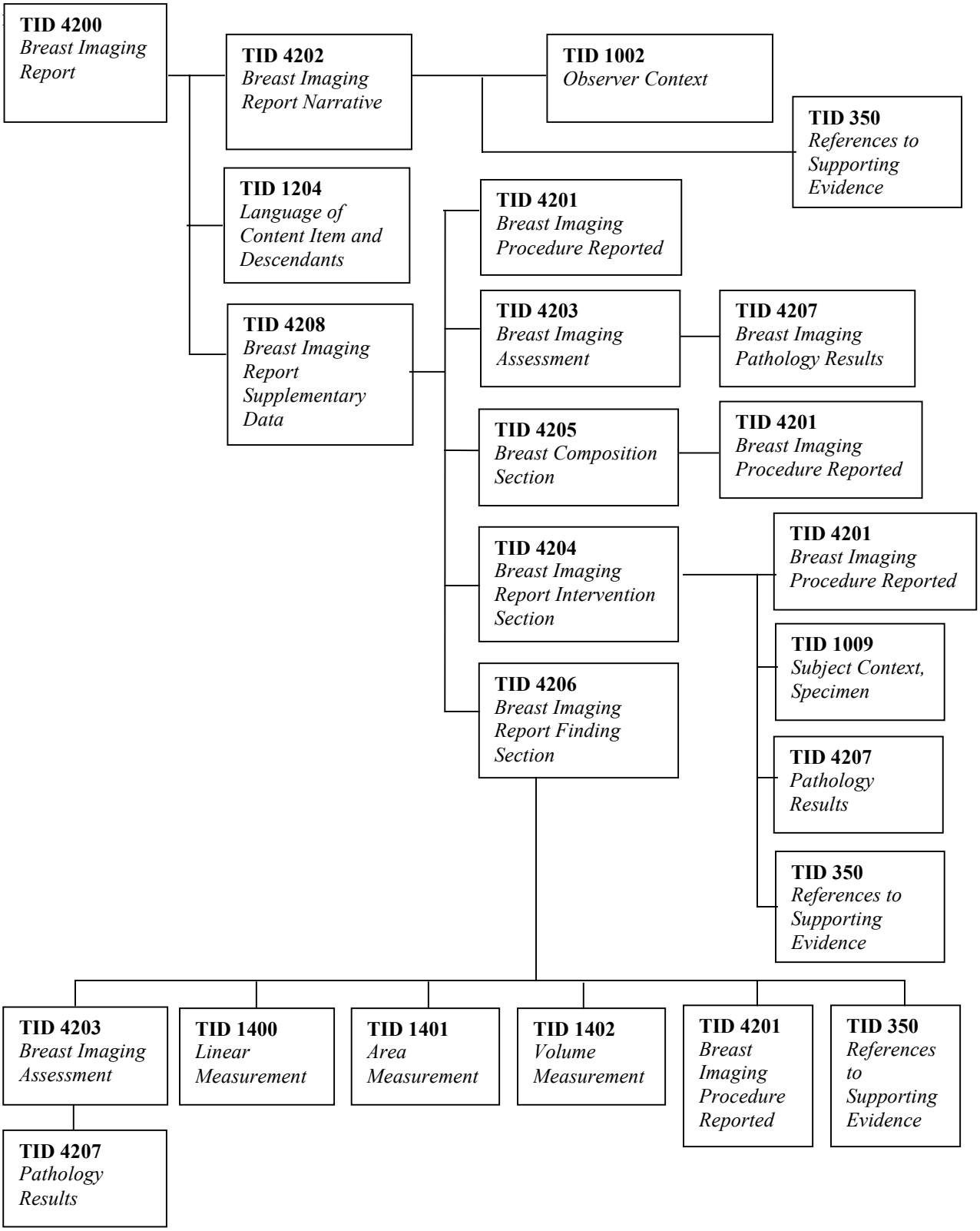


**Figure A-10: Breast Imaging Report Template Structure**

- Standard -

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### TID 4200 Breast Imaging Report

This template forms the content tree that allows a Breast Imaging Report device to describe the results of a radiologist's diagnostic interpretation of Breast Imaging (e.g., X-ray mammography or breast ultrasound) evidence. This template, together with its subordinate templates, describes the results for presentation to clinicians, or for consumption by Breast Imaging Report devices for subsequent Breast Imaging Reports.

This template shall be instantiated at the Root node only.

See the figure entitled "Top Levels of Breast Imaging Report Content Tree" in the "Breast Imaging Report Content Tree Structure" Annex of PS 3.17.

**TID 4200**
**BREAST IMAGING REPORT**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111400, DCM, "Breast Imaging Report") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 3 | > | CONTAINS | INCLUDE | DTID (4202) Breast Imaging Report Narrative | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (4208) Breast Imaging Report Supplementary Data | 1 | U | | |



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### TID 4201 Breast Imaging Procedure Reported

A procedure that is reported in a Breast Imaging Report is expressed in this template. The results of more than one procedure may be included in a single report instance (see TID 4208).

See the figure entitled “Breast Imaging Procedure Reported Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

**TID 4201**
**BREAST IMAGING PROCEDURE REPORTED**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DCID (6050) Breast Procedure Reported |
| 2 | > | HAS CONCEPT MOD | CODE | EV (111464, DCM, “Procedure Modifier”) | 1-n | U | | DCID (6058) Procedure Modifiers for Breast |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | M | | DCID (6022) Side |
| 4 | > | HAS PROPERTIES | CODE | EV (111401, DCM, ”Reason for procedure”) | 1 | U | | DCID (6051) Breast Procedure Reason |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (G-D709, SRT, “Relative time”) | 1 | U | | DCID (12102) Temporal Periods Relating To Procedure or Therapy |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (111402, DCM, ”Clinical Finding”) | 1-n | UC | IFF row 4 value is “Clinical Finding” | DCID (6055) Breast Clinical Finding or Indicated Problem |
| 7 | >>> | HAS PROPERTIES | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | U | | DCID (6022) Side |
| 8 | > | HAS PROPERTIES | DATE | EV (111060, DCM, ”Study Date”) | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 5 “Relative time” | This content item indicates whether the value of “Reason for procedure” (row 4) is modified with “pre-“ or “follow-up”. |



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### TID 4202 Breast Imaging Report Narrative

This template contains the narrative text sub-tree of the content tree of a Breast Imaging Report. The narrative summary may be subdivided into sections with section headings.

See the figure entitled “Breast Imaging Report Narrative Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

**TID 4202**
**BREAST IMAGING REPORT NARRATIVE**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111412, DCM, “Narrative Summary” | 1 | M | | |
| 2 | > | CONTAINS | CONTAINER | BCID (6052) Breast Imaging Report Section Title | 1-n | M | | |
| 3 | >> | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | U | | |
| 4 | >> | CONTAINS | TEXT | BCID (6053) Breast Imaging Report Elements | 1 | M | | |
| 5 | >>> | INFERRED FROM | INCLUDE | DTID (350) References to Supporting Evidence | 1 | U | | |



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### TID 4203 Breast Imaging Assessment

This template provides the content of a Breast Imaging Assessment, for an overall assessment section for the entire report (see TID 4208) or an assessment of a particular finding (see TID 4206). This template defines a code-based assessment of the interpretation results.

See the figure entitled “Breast Imaging Assessment Content Tree” in the “Breast Imaging Report Content Tree Structure” Annex of PS 3.17.

**TID 4203**
**BREAST IMAGING ASSESSMENT**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CODE | EV (111005, DCM, “Assessment Category”) | 1 | M | | DCID (6026) Mammography Assessment |
| 2 | | | CODE | EV (111053, DCM, “Recommended Follow-up”) | 1-n | U | | BCID (6028) Mammography Recommended Follow-up |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | U | | DCID (6022) Side |
| 4 | > | HAS PROPERTIES | NUM | EV (111055, DCM, “Recommended Follow-up Interval”) | 1 | U | | UNITS = DCID (6046) Units of Follow-up Interval Values = Integer ≥ 0, where 0 = immediate follow-up |
| 5 | > | HAS PROPERTIES | DATE | EV (111054, DCM, “Recommended Follow-up Date”) | 1 | U | | |
| 6 | > | HAS PROPERTIES | INCLUDE | DTID (4207) Breast Imaging Pathology Results | 1-n | U | | |



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### TID 4204 Breast Imaging Report Intervention Section

This template defines a supplementary data section for an Intervention of the breast, for the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

**TID 4204**
**BREAST IMAGING REPORT INTERVENTION SECTION**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111463, DCM, ”Supplementary Data for Intervention”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (4201) Breast Imaging Procedure Reported | 1 | M | | |
| 3 | > | CONTAINS | CODE | EV (A-00110, SRT, “Instrument”) | 1 | U | | |
| 4 | >> | HAS PROPERTIES | TEXT | EV (111465, DCM, “Needle Gauge”) | 1 | UC | XOR row 5 | |
| 5 | >> | HAS PROPERTIES | CODE | EV (111465, DCM, “Needle Gauge”) | 1 | UC | XOR row 4 | |
| 6 | >> | HAS PROPERTIES | NUM | EV (111467, DCM, “Needle Length”) | 1 | U | | UNITS = EV (cm, UCUM, ”centimeter”) |
| 7 | > | CONTAINS | NUM | EV (111436, DCM, “Number of passes”) | 1 | U | | UNITS = EV ({passes}, UCUM, ”passes”) |
| 8 | > | CONTAINS | NUM | EV (111437, DCM, “Number of specimens”) | 1 | U | | UNITS = EV ({specimens}, UCUM, ”specimens”) |
| 9 | > | CONTAINS | CODE | EV (111431, DCM, “Instrument Approach”) | 1-n | U | | DCID (6065) Instrument Approach |
| 10 | > | CONTAINS | CODE | EV (111438, DCM, “Needle in target”) | 1 | U | | DCID (230) Yes-No |
| 11 | > | CONTAINS | NUM | EV (111439, DCM, “Number of needles around target”) | 1 | U | | UNITS = EV ({needles}, UCUM, ”needles”) |
| 12 | > | CONTAINS | CODE | EV (F-04460 SRT, ”Medication given”) | 1-n | U | | |
| 13 | > | CONTAINS | CODE | EV (111440, DCM, “Incision made”) | 1 | U | | DCID (230) Yes-No |
| 14 | > | CONTAINS | CODE | EV (111441, DCM, “Microclip placed”) | 1 | U | | DCID (230) Yes-No |
| 15 | > | CONTAINS | CODE | EV (111442, DCM, “Confirmation of target”) | 1 | U | | DCID (6066) Target Confirmation |
| 16 | > | CONTAINS | CODE | EV (DD-60002, SRT, “Complication of procedure”) | 1-n | U | | DCID (6062) Interventional Procedure Complications |
| 17 | >> | HAS PROPERTIES | CODE | EV (111466, DCM, ”Severity | 1 | U | | DCID (251) Severity of Complication |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | of Complication") | | | | |
| 18 | > | CONTAINS | CONTAINER | EV (121027, DCM, "Specimen") | 1-n | U | | |
| 19 | >> | HAS OBS CONTEXT | INCLUDE | DTID (1009) Subject Context, Specimen | 1 | U | | |
| 20 | >> | CONTAINS | CODE | EV (F-00E6D, SRT, "Color of fluid") | 1 | U | | DCID (6067) Fluid Color |
| 21 | >> | CONTAINS | CODE | EV (111456, DCM, "Action on fluid") | 1 | U | | DT (111457, DCM, "Sent for analysis") or DT (111458, DCM, "Discarded") |
| 22 | >> | CONTAINS | CODE | EV (111455, DCM, "Occult blood test result") | 1 | U | | DCID (250) Positive-Negative |
| 23 | >> | CONTAINS | INCLUDE | DTID (4207) Breast Imaging Pathology Results | 1-n | U | | |
| 24 | > | CONTAINS | INCLUDE | DTID (350) References to Supporting Evidence | 1 | U | | |



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### TID 4205 Breast Composition Section

This template defines a Breast Composition section for the supplementary data sub-tree of the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

**TID 4205**
**BREAST COMPOSITION SECTION**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (F-01710, SRT, “Breast composition”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (4201) Breast Imaging Procedure Reported | 1-n | U | | |
| 3 | > | CONTAINS | CODE | EV (F-01710, SRT, “Breast composition”) | 1-n | MC | At least one of row 3, 5 shall be present | DCID (6000) Overall Breast Composition |
| 4 | >> | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | M | | DCID (6022) Side |
| 5 | > | CONTAINS | NUM | EV (111046, DCM, “Percent Glandular Tissue”) | 1-n | MC | At least one of row 3, 5 shall be present | UNITS = (%, UCUM “Percent”) |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | M | | DCID (6022) Side |
| 7 | > | CONTAINS | CODE | EV (111350, DCM, ”Breast background echotexture”) | 1-2 | U | | DCID (6151) Background echotexture |
| 8 | >> | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | M | | DCID (6022) Side |



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### TID 4206 Breast Imaging Report Finding Section

This template defines a supplementary data section for the Findings of the Breast Imaging Report. It is included from TID 4208, Breast Imaging Report Supplementary Data.

**TID 4206**
**BREAST IMAGING REPORT FINDING SECTION**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1002) Observer Context | 1-n | U | | |
| 3 | > | CONTAINS | INCLUDE | DTID (4201) Breast Imaging Procedure Reported | 1 | M | | |
| 4 | > | CONTAINS | CODE | EV (121071, DCM, "Finding") | 1-n | M | | DCID (6054) Breast Imaging Findings |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (111405, DCM, "Implant type") | 1-n | UC | May be present if value of row 4 is (A-04010, SRT, "Implant") | DCID (6059) Breast Implant Types |
| 6 | >> | HAS PROPERTIES | INCLUDE | DTID (4203) Breast Imaging Assessment | 1 | U | | |
| 7 | >> | HAS PROPERTIES | CODE | EV (111014, DCM, "Clockface or region") | 1 | U | | DCID (6018) Clockface Location or Region |
| 8 | >> | HAS PROPERTIES | CODE | EV (111048, DCM, "Quadrant location") | 1 | U | | DCID (6020) Quadrant Location |
| 9 | >> | HAS PROPERTIES | INCLUDE | DTID (1400) Linear Measurement | 1-n | U | | |
| 10 | >> | HAS PROPERTIES | INCLUDE | DTID (1401) Area Measurement | 1-n | U | | |
| 11 | >> | HAS PROPERTIES | INCLUDE | DTID (1402) Volume Measurement | 1-n | U | | |
| 12 | >> | HAS PROPERTIES | CODE | EV (111020, DCM, "Depth") | 1 | U | | DCID (6024) Depth |
| 13 | >> | HAS PROPERTIES | CODE | EV (111035, DCM, "Lesion Density") | 1 | U | | DCID (6008) Density Modifier |
| 14 | >> | HAS PROPERTIES | CODE | EV (M-020F9, SRT, "Shape") | 1-n | U | | DCID (6004) Mammography Characteristics of Shape |
| 15 | >> | HAS PROPERTIES | CODE | EV (111037, DCM, "Margins") | 1-n | U | | DCID (6006) Mammography Characteristics of Margin |
| 16 | >> | HAS PROPERTIES | CODE | EV (111009, DCM, "Calcification Type") | 1-n | U | | DCID (6010) Mammography Calcification Types |
| 17 | >> | HAS PROPERTIES | CODE | EV (111008, DCM, "Calcification Distribution") | 1 | U | | DCID (6012) Calcification Distribution Modifier |
| 18 | >> | HAS PROPERTIES | NUM | EV (111038, DCM, "Number of calcifications") | 1 | U | | UNITS = EV ({calcifications}, UCUM, "calcifications") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Value = Integer 1 – n |
| 19 | >> | HAS PROPERTIES | CODE | EV (111407, DCM, “Implant finding”) | 1-n | U | | DCID (6072) Breast Implant Findings |
| 20 | >> | HAS PROPERTIES | CODE | EV (G-C189, SRT, ”Associated Finding”) | 1-n | U | | DCID (6056) Associated Findings for Breast |
| 21 | >> | HAS PROPERTIES | NUM | EV (111406, DCM, ”Number of similar findings”) | 1 | U | | UNITS = EV ({findings}, UCUM, “findings”) Value = Integer 2 – n |
| 22 | >> | HAS PROPERTIES | CODE | EV (F-01720, SRT, ”Change since last mammogram”) | 1-n | U | | DCID (6002) Change Since Last Mammogram or Prior Surgery |
| 23 | >> | HAS PROPERTIES | CODE | EV (111354, DCM, ”Orientation”) | 1 | U | | DCID (6152) Orientation |
| 24 | >> | HAS PROPERTIES | CODE | EV (111357, DCM, ”Lesion boundary”) | 1 | U | | DCID (6153) Lesion boundary |
| 25 | >> | HAS PROPERTIES | CODE | EV (111360, DCM, ”Echo pattern”) | 1 | U | | DCID (6154) Echo pattern |
| 26 | >> | HAS PROPERTIES | CODE | EV (111366, DCM, ”Posterior acoustic features”) | 1 | U | | DCID (6155) Posterior acoustic features |
| 27 | >> | HAS PROPERTIES | CODE | EV (111371, DCM, ”Identifiable effect on surrounding tissues”) | 1 | U | | DCID (6015) Single Image Finding from BI-RADS® |
| 28 | >> | HAS PROPERTIES | CODE | EV (111372, DCM, ”Vascularity”) | 1 | U | | DCID (6157) Vascularity |
| 29 | >> | HAS PROPERTIES | CODE | EV (111380, DCM, ”Correlation to Other Findings”) | 1-n | U | | DCID (6158) Correlation to Other Findings |
| 30 | >> | INFERRED FROM | INCLUDE | DTID (350) References to Supporting Evidence | 1 | U | | |



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### TID 4207 Breast Imaging Pathology Results

This template defines the pathology results for a procedure. It may be applied to a Breast Imaging Assessment (see TID 4203), or a Breast Imaging Intervention (see TID 4204).

**TID 4207**
**BREAST IMAGING PATHOLOGY RESULTS**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111468, DCM, "Pathology Results") | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (4201) Breast Imaging Procedure Reported | 1 | U | | |
| 3 | > | CONTAINS | DATETIME | EV (111469, DCM, "Sampling Datetime") | 1 | M | | |
| 4 | > | CONTAINS | CODE | EV (122177, DCM, "Procedure Result") | 1 | M | | DCID (6063) Interventional Procedure Results |
| 5 | > | CONTAINS | CODE | EV (111042, DCM, "Pathology") | 1-n | U | | BCID (6030) Mammography Pathology Codes |
| 6 | >> | HAS PROPERTIES | CODE | EV (111388, DCM, "Malignancy Type") | 1 | U | | DCID (6159) Malignancy Type |
| 7 | >> | HAS PROPERTIES | NUM | DCID (6165) Breast Linear Measurements | 1-n | U | | UNITS = EV (mm, UCUM, "millimeter") |
| 8 | >> | HAS PROPERTIES | CODE | EV (F-02900, SRT, "Histological grade finding") | 1 | U | | BCID (6069) Nottingham Combined Histologic Grade, BCID (6070) Bloom-Richardson Histologic Grade |
| 9 | >>> | HAS CONCEPT MOD | CODE | EV (R-00258, SRT, "Histologic grade") | 1 | U | | BCID (6071) Histologic Grading Method |
| 10 | >> | HAS PROPERTIES | CODE | EV (R-00274, SRT, "Tumor margin status") | 1 | U | | DT (111470, DCM, "Uninvolved"), DT (111471, DCM, "Involved") |
| 11 | >> | HAS PROPERTIES | CODE | EV (111472, DCM, "Nipple involved") | 1 | U | | DCID (230) Yes-No |
| 12 | >> | HAS PROPERTIES | NUM | EV (111473, DCM, "Number of nodes removed") | 1 | U | | UNITS=EV ({nodes}, UCUM, "nodes") |
| 13 | >> | HAS PROPERITES | NUM | EV (111474, DCM, "Number of nodes positive") | 1 | MC | Shall be present IFF value of row 12 is > 0 | UNITS=EV ({nodes}, UCUM, "nodes") |
| 14 | >> | HAS PROPERTIES | CODE | EV (R-00465, SRT, "pT category finding") | 1 | U | | DCID (6160) Breast Primary Tumor Assessment from AJCC |
| 15 | >> | HAS PROPERTIES | CODE | EV (R-00463, SRT, "Node stage finding") | 1 | U | | DCID (6161) Clinical Regional Lymph Node Assessment for Breast |
| 16 | >> | HAS PROPERTIES | CODE | EV (R-00461, SRT, "Metastasis | 1 | U | | DCID (6162) Assessment of Metastasis for Breast |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | stage finding") | | | | |
| 17 | >> | HAS PROPERTIES | CODE | EV (R-00443, SRT, "Tumor stage finding") | 1 | U | | BCID (6068) Tumor Stages from AJCC |
| 18 | >> | HAS PROPERTIES | CODE | EV (111475, DCM, "Estrogen receptor") | 1 | U | | DCID (250) Positive-Negative |
| 19 | >> | HAS PROPERTIES | CODE | EV (111476, DCM, "Progesterone receptor") | 1 | U | | DCID (250) Positive-Negative |
| 20 | >> | HAS PROPERTIES | NUM | EV (111477, DCM, "S Phase") | 1 | U | | UNITS=EV (%, UCUM, "percent") |

### TID 4208 Breast Imaging Report Supplementary Data

This template forms a supplementary data sub-tree of the content tree of a Breast Imaging Report. Each subsection provides a specific type of supporting evidence to the narrative text sub-tree, for example, as coded and numeric data.

See the figure entitled "Breast Imaging Report Supplementary Data Content Tree" in the "Breast Imaging Report Content Tree Structure" Annex of PS 3.17.

**TID 4208**
**BREAST IMAGING REPORT SUPPLEMENTARY DATA**

**Type: Non-Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111414, DCM, "Supplementary Data") | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (4201) Breast Imaging Procedure Reported | 1-n | M | | |
| 3 | > | CONTAINS | CODE | EV (111403, DCM, "Baseline screening mammogram") | 1 | U | | DCID (230) Yes-No |
| 4 | > | CONTAINS | CODE | EV (111404, DCM, "First mammogram ever") | 1 | U | | DCID (230) Yes-No |
| 5 | > | CONTAINS | INCLUDE | DTID (4205) Breast Composition Section | 1 | U | | |
| 6 | > | CONTAINS | INCLUDE | DTID (4206) Breast Imaging Report Finding Section | 1-n | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (4204) Breast Imaging Report Intervention Section | 1-n | U | | |
| 8 | > | CONTAINS | CONTAINER | EV (111413, DCM, "Overall Assessment") | 1 | U | | |
| 9 | >> | CONTAINS | INCLUDE | DTID (4203) Breast Imaging Assessment | 1 | M | | |



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## OB-GYN REPORT TEMPLATES

### TID 5000 OB-GYN Ultrasound Procedure Report

This is the template for the root of the content tree for the OB-GYN ultrasound procedure report.

**TID 5000**
**OB-GYN Ultrasound Procedure Report**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (125000, DCM, "OB-GYN Ultrasound Procedure Report") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | U | | |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (1001) Observation Context | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (5001) Patient Characteristics | 1 | U | | |
| 5 | > | CONTAINS | CONTAINER | DT (111028, DCM, "Image Library") | 1 | U | | |
| 6 | >> | CONTAINS | IMAGE | No purpose of reference | 1-n | M | | |
| 7 | > | CONTAINS | INCLUDE | DTID (5002) OB-GYN Procedure Summary Section | 1 | U | | |
| 8 | > | CONTAINS | INCLUDE | DTID (5004) Fetal Biometry Ratio Section | 1-n | U | | |
| 9 | > | CONTAINS | INCLUDE | DTID (5005) Fetal Biometry Section | 1-n | U | | |
| 10 | > | CONTAINS | INCLUDE | DTID (5006) Long Bones Section | 1-n | U | | |
| 11 | > | CONTAINS | INCLUDE | DTID (5007) Fetal Cranium Section | 1-n | U | | |
| 12 | > | CONTAINS | INCLUDE | DTID (5009) Fetal Biophysical Profile Section | 1-n | U | | |
| 13 | > | CONTAINS | INCLUDE | DTID (5011) Early Gestation Section | 1-n | U | | |
| 14 | > | CONTAINS | INCLUDE | DTID (5010) Amniotic Sac Section | 1 | U | | |
| 15 | > | CONTAINS | INCLUDE | DTID (5015) Pelvis and Uterus Section | 1 | U | | |
| 16 | > | CONTAINS | INCLUDE | DTID (5012) Ovaries Section | 1 | U | | |
| 17 | > | CONTAINS | INCLUDE | DTID (5013) Follicles Section | 1 | U | | $Laterality = EV (G-A101, SRT, "Left")<br>$Number = EV (11879-4, LN, "Number of follicles in left ovary") |
| 18 | > | CONTAINS | INCLUDE | DTID (5013) Follicles Section | 1 | U | | $Laterality = EV (G-A100, SRT, "Right")<br>$Number = EV (11880-2, LN, "Number of follicles in right ovary") |
| 19 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1-n | U | | |
| 20 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding SIte") | 1 | M | | EV (T-F6800, SRT, "Embryonic Vascular Structure") |
| 21 | >> | CONTAINS | INCLUDE | DTID (5025) OB-GYN Fetal Vascular Measurement Group | 1 | M | | $AnatomyGroup = DCID (12141) Fetal Vasculature |
| 22 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | U | | |
| 23 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding SIte") | 1 | M | | EV (T-D6007, SRT, "Pelvic Vascular Structure") |
| 24 | >> | CONTAINS | INCLUDE | DTID (5026) OB-GYN Pelvic Vascular Measurement Group | 1 | M | | $AnatomyGroup = DCID (12140) Pelvic Vasculature Anatomical Location |



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### TID 5001 OB-GYN Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

**TID 5001**
**OB-GYN PATIENT CHARACTERISTICS**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121118, DCM, “Patient Characteristics”) | 1 | M | | |
| 2 | > | CONTAINS | TEXT | EV (121106, DCM, “Comment”) | 1 | U | | |
| 3 | > | CONTAINS | NUM | EV (8302-2, LN, “Patient Height”) | 1 | U | | |
| 4 | > | CONTAINS | NUM | EV (29463-7, LN, “Patient Weight”) | 1 | U | | |
| 5 | > | CONTAINS | NUM | EV (11996-6, LN, “Gravida”) | 1 | U | | |
| 6 | > | CONTAINS | NUM | EV (11977-6, LN, “Para”) | 1 | U | | |
| 7 | > | CONTAINS | NUM | EV (11612-9, LN, “Aborta”) | 1 | U | | |
| 8 | > | CONTAINS | NUM | EV (33065-4, LN, “Ectopic Pregnancies”) | 1 | U | | |

### TID 5002 OB-GYN Procedure Summary Section

Observations of the procedure of immediate clinical interest.

**TID 5002**
**OB-GYN PROCEDURE SUMMARY SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121111, DCM, “Summary”) | 1 | M | | |
| 2 | > | CONTAINS | DATE | DCID (12003) OB-GYN Dates | 1-n | U | | |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = BCID (12018) OB-GYN Summary |
| 4 | > | CONTAINS | TEXT | EV (121106, DCM, “Comment”) | 1-n | U | | |
| 5 | >> | | INCLUDE | DTID (320) Image or Spatial Coordinates | 1-n | U | | |
| 6 | > | CONTAINS | INCLUDE | BTID (5003) OB-GYN Fetus Summary | 1-n | UC | No more than 1 inclusion per fetus | |

### TID 5003 OB-GYN Fetus Summary

The Fetus Summary template is a container for summary data of a fetus.



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**TID 5003**
**OB-GYN PROCEDURE FETUS SUMMARY**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125008, DCM, "Fetus Summary") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | TEXT | EV (121106, DCM, "Comment") | 1-n | U | | |
| 4 | >> | | INCLUDE | DTID (320) Image or Spatial Coordinates | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = DCID (12019) OB-GYN Fetus Summary<br>$Equation = DCID (12012) OB Equations and Tables |

### TID 5004 Fetal Biometry Ratio Section

The Fetal Biometry Section Ratio template is a container for common biometric ratios.

**TID 5004**
**FETAL BIOMETRY RATIO SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125001, DCM, "Fetal Biometry Ratios") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | NUM | DCID (12004) Fetal Biometry Ratios | 1-n | M | | |
| 4 | >> | R-INFERRED FROM | NUM | | 2 | U | | |
| 5 | >> | HAS PROPERTIES | INCLUDE | DTID (312) Normal Range Properties | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | Numeric ratio related to fetal growth |
| Row 4 | Reference to the numerator and denominator of the ratio. |

### TID 5005 Fetal Biometry Section

The Fetal Biometry Section template is a container for common biometric groups.

**TID 5005**
**FETAL BIOMETRY SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125002, DCM, "Fetal Biometry") | 1 | M | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | INCLUDE | DTID (5008) Fetal Biometry Group | 1-n | M | | $BiometryType = MemberOf {DCID (12005) Fetal Biometry Measurements} |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | The group of measurements. Only one group per biometry type. |

**TID 5006 Fetal Long Bones Section**

The Long Bones template is a container for biometric data of long bones.

**TID 5006**
**FETAL LONG BONES SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125003, DCM, "Fetal Long Bones") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | INCLUDE | DTID (5008) Fetal Biometry Group | 1-n | M | | $BiometryType = MemberOf {DCID (12006) Fetal Long Bones Biometry Measurements} |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | The group of measurements. Only one group per biometry type. |

**TID 5007 Fetal Cranium Section**

The Fetal Cranium template is a container for groups of biometric data of the fetal cranium.

**TID 5007**
**FETAL CRANIUM SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125004, DCM, "Fetal Cranium") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | INCLUDE | DTID (5008) Fetal Biometry Group | 1-n | M | | $BiometryType = MemberOf {DCID (12007) Fetal Cranium} |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | The group of measurements. Only one group per biometry type. |



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### TID 5008 Fetal Biometry Group

The Biometry Group template is container for a biometric value and its associated growth metrics.

**TID 5008 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $BiometryType | The concept name of the biometry measurement |

**TID 5008**
**FETAL BIOMETRY GROUP**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT(125005, DCM, ”Biometry Group”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | MC | At least one of row 2 and 3 shall be present | $Measurement = $BiometryType<br>$Derivation = DCID (3627) Measurement Type |
| 3 | > | CONTAINS | NUM | EV (18185-9, LN, ”Gestational Age”) | 1 | MC | At least one of row 2and 3 shall be present | Units= EV (d,UCUM, days) |
| 4 | >> | INFERRED FROM | CODE | DCID (228) Equation or Table | 1 | U | | DCID (12013) Gestational Age Equations and Tables |
| 5 | >> | R-INFERRED FROM | NUM | | 1-n | U | | |
| 6 | >> | HAS PROPERTIES | NUM | DCID (226) Population Statistical Descriptors | 1-n | U | | |
| 7 | > | CONTAINS | NUM | DCID (12017) Growth Distribution Rank | 1 | U | | |
| 8 | >> | INFERRED FROM | CODE | DCID (228) Equation or Table | 1 | U | | DCID (12015) Fetal Growth Equations and Tables |

### Content Item Descriptions

| | |
|---|---|
| Row 1 | Container to segregate biometry data by measurement type |
| Row 2 | The discrete measurements of the biometry type including derived measurements such as mean. One of the measurements may be flagged as selected for derived measurements. |
| Row 3 | The estimated gestational age derived from an equation or table based on the explicitly referenced R-INFERRED FROM content item, selected measurement or mean, in that order of preference. |
| Row 4 | The reference that defines the equation or table of GA derivation |
| Row 6 | The uncertainty/confidence limits of the gestational age |
| Row 7 | Expresses the rank of the selected or mean measurement of row 2 relative to the distribution specified in row 8. |
| Row 8 | This row specifies the CODE reference used to compute the percentile or Z-score. |



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### TID 5009 Fetal Biophysical Profile Section

This template encodes scoring observations for fetal well-being evaluation as described by Manning, Antepartum Fetal Evaluation: Development of a Fetal Biophysical Profile Score, Am. J Obsetet Gynecol, 1980;136:787.

**TID 5009**
**FETAL BIOPHYSICAL PROFILE SECTION**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125006, DCM, ”Biophysical Profile”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | NUM | EV (11631-9, LN, “Gross Body Movement”) | 1 | MC | At least one of row 3-7 shall be present | Units = DT (“{0:2}”, UCUM, ”range 0:2”) |
| 4 | > | CONTAINS | NUM | EV (11632-7, LN, “Fetal Breathing”) | 1 | MC | At least one of row 3-7 shall be present | Units = DT (“{0:2}”, UCUM, ”range 0:2”) |
| 5 | > | CONTAINS | NUM | EV (11635-0, LN, “Fetal Tone”) | 1 | MC | At least one of row 3-7 shall be present | Units = DT (“{0:2}”, UCUM, ”range 0:2”) |
| 6 | > | CONTAINS | NUM | EV (11635-5, LN, “Fetal Heart Reactivity”) | 1 | MC | At least one of row 3-7 shall be present | Units = DT (“{0:2}”, UCUM, ”range 0:2”) |
| 7 | > | CONTAINS | NUM | EV (11630-1, LN, “Amniotic Fluid Volume”) | 1 | MC | At least one of row 3-7 shall be present | Units = DT (“{0:2}”, UCUM, ”range 0:2”) |
| 8 | > | CONTAINS | NUM | DT (11634-3, LN, “Biophysical Profile Sum Score”) | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 3-7 | The numeric profile score of range 0-2 |
| Row 8 | The sum of rows 3-7. The range is from 0 to the maximum possible score according the items scored in rows 3-7. |

### TID 5010 Amniotic Sac Section

This template specifies a container for amniotic sac quadrant diameters and a derived index.

**TID 5010**
**AMNIOTIC SAC SECTION**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-F1300, SRT, ”Amniotic Sac”) |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = DT (11627-7, LN, “Amniotic Fluid Index”) |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 4 | U | | $Measurement = DCID (12008) OB-GYN |



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| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Amniotic Sac |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | The sum of the 4 quadrant diameters |
| Row 4 | The four amniotic sac quadrant diameters |

### TID 5011 Early Gestation Section

The Early Gestation Section template is a container for common, first trimester biometric groups.

**TID 5011**
**EARLY GESTATION SECTION**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125009, DCM, “Early Gestation”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | CONTAINS | INCLUDE | DTID (5008) Fetal Biometry Group | 1-n | M | | $BiometryType= Member of {DCID (12009) Early Gestation Biometry Measurements} |

### TID 5012 Ovaries Section

This template contains metrics of ovary size.

**TID 5012**
**OVARIES SECTION**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-87000, SRT, ”Ovary”) |
| 3 | > | CONTAINS | INCLUDE | DTID (5016) LWH Volume Group | 1 | U | | $GroupName = EV (T-87000, SRT, ”Ovary”)<br>$Width =EV (11829-9,LN, ”Left Ovary Width”)<br>$Length =EV (11840-6, LN, ”Left Ovary Length”)<br>$Height =EV (11857-0 , LN,” Left Ovary Height”)<br>$Volume=EV (12164-0, LN, ”Left Ovary Volume”) |
| 4 | > | CONTAINS | INCLUDE | DTID (5016) LWH Volume Group | 1 | U | | $GroupName = EV (T-87000, SRT, ”Ovary”)<br>$Width = EV (11830-7, LN, |



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| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ”Right Ovary Width”)<br>$Length = EV (11841-4, LN, ”Right Ovary Length”)<br>$Height = EV (11858-8, LN, ”Right Ovary Height”)<br>$Volume= EV (12165-7, LN, ”Right Ovary Volume”) |

### TID 5013 Follicles Section

This template contains follicle metrics for left or right ovarian follicles.

**TID 5013 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $Laterality | Ovary laterality |
| $Number | The number of follicles |

**TID 5013**
**FOLLICLES SECTION**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-87600, SRT, “Ovarian Follicle”) |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality”) | 1 | M | | $Laterality |
| 4 | > | CONTAINS | NUM | $Number | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID (5014) Follicle Measurement Group | 1-n | U | | |

### TID 5014 Follicle Measurement Group

This template contains metrics for one ovarian follicle.

**TID 5014**
**FOLLICLE MEASUREMENT GROUP**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (125007, DCM, “Measurement Group”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | TEXT | EV (12510, DCM, “Identifier”) | 1 | U | | Unique among all groups of same laterality |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | U | | $Measurement = EV (G-D705, SRT, “Volume”) |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = EV (11793-7, LN, “Follicle Diameter”)<br>$Derivation = DCID (3627) Measurement |



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| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Type |

### TID 5015 Pelvis and Uterus Section

This template contains general measurements in the pelvis and uterus.

**TID 5015**
**PELVIS AND UTERUS SECTION**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (125011, DCM, “Pelvis and Uterus”) | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (5016) LWH Volume Group | 1 | U | | $GroupName = EV (T-83000, SRT, ”Uterus”) $Width = EV (11865-3,LN,” Uterus Width”) $Length = EV (11842-2, LN,” Uterus Length”) $Height = EV (11859-6, LN,” Uterus Height”) $Volume = EV (33192-6, LN, ”Uterus Volume”) |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = DCID (12011) Ultrasound Pelvis and Uterus<br>$Derivation = DCID (3627) Measurement Type |

### TID 5016 LWH Volume Group

This template is a container for a group of measurements that assess the size of an anatomical structure using a volume derived from perpendicular diameters.

**TID 5016 Parameters**

| Parameter Name | Parameter Usage |
|---|---|
| $GroupName | The name of the volume group |
| $Volume | Concept name of volume measurement |
| $Length | Concept name of length measurement |
| $Width | Concept name of width measurement |
| $Height | Concept name of height measurement |

**TID 5016**
**LWH VOLUME GROUP**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $GroupName | 1 | M | | |
| 2 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1 | MC | At least one of row 2,3,4,5 shall be present | $Measurement = $Volume |
| 3 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | MC | At least one of row | $Measurement = |



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| | NL | Relation with Parent | Value Type | Concept Name | V M | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 2,3,4,5 shall be present | $Length<br>$Derivation = DCID (3627) Measurement Type |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | MC | At least one of row 2,3,4,5 shall be present | $Measurement = $Width<br>$Derivation = DCID (3627) Measurement Type |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | MC | At least one of row 2,3,4,5 shall be present | $Measurement = $Height<br>$Derivation = DCID (3627) Measurement Type |

**TID 5025 OB-GYN Fetal Vascular Ultrasound Measurement Group**

This template is an anatomy specific container of OB-GYN fetal vascular measurements.

| Parameter Name | Parameter Usage |
|---|---|
| $AnatomyGroup | The concept name of the vascular anatomy |

**TID 5025**
**OB-GYN FETAL VASCULAR ULTRASOUND MEASUREMENT GROUP**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $AnatomyGroup | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | INCLUDE | DTID (1008) Subject Context, Fetus | 1 | MC | IF this template is invoked more than once to describe more than one fetus | |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT “Laterality”) | 1 | MC | IFF anatomy has laterality | DCID (244) Laterality |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $MeasType = DCID (12119) Vascular Ultrasound Property<br>$Derivation = DCID (3627) Measurement Type |

**Content Item Descriptions**

| | |
|---|---|
| Anatomy Group | Specifies the anatomical context of the observations in the group. |

**TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group**

This template is an anatomy specific container of OB-GYN pelvic vascular measurements.

| Parameter Name | Parameter Usage |
|---|---|
| $AnatomyGroup | The concept name of the vascular anatomy |

**TID 5026**
**OB-GYN PELVIC VASCULAR ULTRASOUND MEASUREMENT GROUP**
**Type: Extensible**
- Standard -

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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $AnatomyGroup | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality”) | 1 | MC | IFF anatomy has laterality | DCID (244) Laterality |
| 3> | | HAS CONCEPT MOD | TEXT | (112050, DCM, “Anatomic Identifier”) | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $MeasType = DCID (12119) Vascular Ultrasound Property<br>$Derivation = DCID (3627) Measurement Type |

**Content Item Descriptions**

| | |
|---|---|
| Row 1 | Specifies the anatomical context of the observations in the group. |
| Row 3 | Differentiates between multiple structures such as the two umbilical arteries. |



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## VASCULAR ULTRASOUND REPORT TEMPLATES

### TID 5100 Vascular Ultrasound Report

This is the template for the root the content tree for the vascular ultrasound procedure report.

**Type: Extensible**

**TID 5100**
**VASCULAR ULTRASOUND REPORT**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1. | | | CONTAINER | EV (125100, DCM, “Vascular Ultrasound Procedure Report”) | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | CODE | EV (R-40FB8, SRT, “Temporal periods Relating to Procedure”) | 1 | U | | DCID (12102) Temporal Periods Relating To Procedure or Therapy |
| 3 | > | HAS CONCEPT MOD | INCL UDE | DTID (1204) Language of Content Item and Descendants | 1 | U | | |
| 4 | > | HAS OBS CONTEXT | INCLUDE | DTID (1001) Observation Context | 1 | M | | |
| 5 | > | CONTAINS | INCLUDE | DTID (5101) Vascular Patient Characteristics | 1 | U | | |
| 6 | > | CONTAINS | CONTAINER | EV (111028, DCM, “Image Library”) | 1 | U | | |
| 7 | >> | CONTAINS | IMAGE | No purpose of reference | 1-n | M | | |
| 8 | > | CONTAINS | INCLUDE | DTID (5102) Vascular Procedure Summary Section | 1 | U | | |
| 9 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12105) Intracranial Cerebral Vessels |
| 10 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12105) Intracranial Cerebral Vessels |
| 11 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-40501, SRT, ”Blood Vessel of Head”)<br>$SectionLaterality = EV (G-A103, SRT, ”Unilateral”)<br>$Anatomy = DCID (12106) Intracranial Cerebral Vessels (unilateral) |
| 12 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-45005, SRT, ”Artery of neck”)<br>$SectionLaterality = EV (G-A101, SRT, ”Left”)<br>$Anatomy = DCID (12104) Extracranial Arteries<br>$AnatomyRatio = DCID (12123) Carotid Ratios |
| 13 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-45005, SRT, ”Artery of neck”)<br>$SectionLaterality = EV (G-A100, SRT, ”Right”)<br>$Anatomy = DCID (12104) Extracranial Arteries<br>$AnatomyRatio = DCID (12123) Carotid Ratios |
| 14 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-47040, SRT, ”Artery of Lower Extremity”) |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12109) Lower Extremity Arteries |
| 15 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-47040, SRT, "Artery of Lower Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12109) Lower Extremity Arteries |
| 16 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-49403, SRT, "Vein of Lower Extremity")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12110) Lower Extremity Veins |
| 17 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-49403, SRT, "Vein of Lower Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12110) Lower Extremity Veins |
| 18 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-47020, SRT, "Artery Of Upper Extremity")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12107) Upper Extremity Arteries |
| 19 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-47020, SRT, "Artery Of Upper Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12107) Upper Extremity Arteries |
| 20 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-49103, SRT, "Vein Of Upper Extremity")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12108) Upper Extremity Veins |
| 21 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-49103, SRT, "Vein Of Upper Extremity")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12108) Upper Extremity Veins |
| 22 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-71019, SRT, "Vascular Structure Of Kidney")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12115) Renal Vessels<br>$AnatomyRatio = DCID (12124) Renal Ratios |
| 23 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-71019, SRT, "Vascular Structure Of Kidney")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12115) Renal Vessels<br>$AnatomyRatio = DCID (12124) Renal Ratios |
| 24 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-46002, SRT, "Artery of Abdomen")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12111) Abdominal Arteries (lateral) |
| 25 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-46002, SRT, "Artery of Abdomen") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12111) Abdominal Arteries (lateral) |
| 26 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-46002, SRT, "Artery of Abdomen")<br>$SectionLaterality = EV (G-A103, SRT, "Unilateral")<br>$Anatomy = DCID (12112) Abdominal Arteries (unilateral) |
| 27 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-487A0, SRT, "Vein of Abdomen")<br>$SectionLaterality = EV (G-A101, SRT, "Left")<br>$Anatomy = DCID (12113) Abdominal Veins (lateral) |
| 28 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-487A0, SRT, "Vein of Abdomen")<br>$SectionLaterality = EV (G-A100, SRT, "Right")<br>$Anatomy = DCID (12113) Abdominal Veins (lateral) |
| 29 | > | CONTAINS | INCLUDE | DTID (5103) Vascular Ultrasound Section | 1 | U | | $SectionScope = DT (T-487A0, SRT, " Vein of Abdomen")<br>$SectionLaterality = EV (G-A103, SRT, "Unilateral")<br>$Anatomy = DCID (12114) Abdominal Veins (unilateral) |
| 30 | > | CONTAINS | INCLUDE | DTID (5105) Ultrasound Graft Section | 1 | U | | |

### TID 5101 Vascular Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 "Subject Context, Patient". The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

**TID 5101**
**Vascular Patient Characteristics**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121118, DCM, "Patient Characteristics") | 1 | M | | |
| 2 | > | CONTAINS | NUM | EV (121033, DCM, "Subject Age") | 1 | U | | Units = DCID (7456) Units of Measure for Age |
| 3 | > | CONTAINS | CODE | EV (121032, DCM, "Subject Sex") | 1 | U | | DCID (7455) Sex |
| 4 | > | CONTAINS | NUM | EV (8867-4, LN, "Heart Rate") | 1 | U | | |
| 5 | > | CONTAINS | NUM | EV (F-008EC, SRT, "Systolic Blood Pressure") | 1 | U | | |
| 6 | > | CONTAINS | NUM | EV (F-008ED, SRT, "Diastolic Blood Pressure") | 1 | U | | |



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### TID 5102 Vascular Procedure Summary Section

Comments and observations of the procedure of immediate clinical interest.

**TID 5102**
**VASCULAR PROCEDURE SUMMARY SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121111, DCM, "Summary") | 1 | M | | |
| 2 | > | | TEXT | DCID (12101) Vascular Summary | 1-n | M | | |

### TID 5103 Vascular Ultrasound Section

Sections of a vascular ultrasound report are section containers of an anatomic region consisting of measurement group containers that contain the measurements.

| Parameter Name | Parameter Usage |
|---|---|
| $SectionScope | The concept name of the section heading modifier |
| $SectionLaterality | The laterality (if any) of the anatomy in this section heading |
| $Anatomy | The concept name of the vascular anatomy |
| $AnatomyRatio | The concept name of anatomy-coordinated ratio concepts |

**TID 5103**
**VASCULAR ULTRASOUND SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121070, DCM, "Findings") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, "Finding Site") | 1 | M | | $SectionScope |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, "Laterality") | 1 | M | | $SectionLaterality |
| 4 | > | CONTAINS | INCLUDE | DTID (5104) Vascular Measurement Group | 1-n | M | | $AnatomyGroup = $Anatomy |
| 5 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | U | | $Measurement = $AnatomyRatio |



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### TID 5104 Vascular Ultrasound Measurement Group

This template is an anatomy specific container of measurements.

| Parameter Name | Parameter Usage |
|---|---|
| $AnatomyGroup | The concept name of the vascular anatomy |

**TID 5104**
**VASCULAR ULTRASOUND MEASUREMENT GROUP**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $AnatomyGroup | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-A1F8, SRT, “Topographical Modifier”) | 1 | U | | DCID (12116) Vessel Segment Modifiers |
| 3 | > | HAS CONCEPT MOD | CODE | EV (125101, DCM, “Vessel Branch”) | 1-n | U | | DCID (12117) Vessel Branch Modifiers |
| 4 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = DCID (12119) Vascular Ultrasound Property<br>$Derivation = DCID (3627) Measurement Type |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (R-4089A, SRT, “Cardiac Cycle Point”) | 1 | U | | DCID (12233) Cardiac Phase |
| 6 | >> | HAS CONCEPT MOD | CODE | EV (R-41FFC, SRT, “Temporal period related to eating”) | 1 | U | | DT (G-A491, SRT, "Post-prandial") |

**Content Item Descriptions**

| | |
|---|---|
| Row 1 | Specifies the anatomic context of the observations in the group. |
| Row 2 | Details the anatomical location, e.g. proximal, middle, or distal |
| Row 3 | The particular vessel branch, such as the inferior, medial or lateral |
| Row 5 | Cardiac phase (systolic, diastolic), especially for aorta measurements |
| Row 6 | Eating phase, especially for mesenteric and celiac measurements |



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### TID 5105 Ultrasound Graft Section

This template is a container of measurements on a vascular graft.

**TID 5105**
**ULTRASOUND GRAFT SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | DT (121070, DCM, “Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-D000F, SRT, “Vascular Graft”) |
| 3 | > | HAS CONCEPT MOD | CODE | EV (G-C171, SRT, “Laterality”) | 1 | U | | DCID (244) Laterality |
| 4 | > | HAS CONCEPT MOD | CODE | DT (G-D871, SRT, “Proximal anastomosis”) | 1 | M | | BCID (12103) Vascular Ultrasound Anatomic Location |
| 5 | > | HAS CONCEPT MOD | CODE | DT (G-D872, SRT, “Distal Anastomosis”) | 1 | M | | BCID (12103) Vascular Ultrasound Anatomic Location |
| 6 | > | HAS CONCEPT MOD | CODE | DT (125102, DCM, “Graft Type”) | 1 | U | | *No BCID* |
| 7 | > | CONTAINS | INCLUDE | DTID (300) Measurement | 1-n | M | | $Measurement = DCID (12119) Vascular Ultrasound Property |

**Content Item Descriptions**

| | |
|---|---|
| Proximal anastomosis | The proximal location of the graft |
| Distal anastomosis | The distal location of the graft |
| Graft type | The type of graft, e.g. “in situ”, “prosthetic”, “autogenous” |

## ECHOCARDIOGRAPHY PROCEDURE REPORT TEMPLATES

### TID 5200 Echocardiography Procedure Report

This template forms the top of a content tree that allows an ultrasound device to describe the results of an adult echocardiography imaging procedure. It is instantiated at the root node. It can also be included in other templates that need to incorporate echocardiography findings into another report as quoted evidence.

**TID 5200 – Echocardiography Procedure Report**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (125200, DCM, “Adult Echocardiography Procedure Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | U | | |
| 3 | > | HAS OBS CONTEXT | INCLUDE | DTID (1001) Observation Context | 1 | M | | |
| 4 | > | CONTAINS | INCLUDE | DTID (5201) Echocardiography Patient Characteristics | 1 | U | | |
| 5 | > | CONTAINS | CONTAINER | (111028, DCM, “Image Library”) | 1 | U | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 6 | >> | CONTAINS | IMAGE | No purpose of reference | 1-n | M | | |
| 7 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-32600, SRT, "Left Ventricle")<br>$MeasType = DCID (12200) Echocardiography Left Ventricle |
| 8 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-32500, SRT, "Right Ventricle")<br>$MeasType = DCID (12204) Echocardiography Right Ventricle |
| 9 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-32300, SRT, "Left Atrium")<br>$MeasType = DCID (12205) Echocardiography Left Atrium |
| 10 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-32200, SRT, "Right Atrium")<br>$MeasType = DCID (12206) Echocardiography Right Atrium |
| 11 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-35400, SRT, "Aortic Valve")<br>$MeasType = DCID (12211) Echocardiography Aortic Valve |
| 12 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-35300, SRT, "Mitral Valve")<br>$MeasType = DCID (12207) Echocardiography Mitral Valve |
| 13 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-35200, SRT, "Pulmonic Valve")<br>$MeasType = DCID (12209) Echocardiography Pulmonic Valve |
| 14 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-35100, SRT, "Tricuspid Valve")<br>$MeasType = DCID (12208) Echocardiography Tricuspid Valve |
| 15 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-42000, SRT, "Aorta")<br>$MeasType= DCID (12212) Echocardiography Aorta |
| 16 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-44000, SRT, "Pulmonary artery")<br>$MeasType DCID (12210) = Echocardiography Pulmonary Artery |
| 17 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-48600, SRT, "Vena Cava"<br>$MeasType = DCID (12215) Echocardiography Vena Cavae |
| 18 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (T-48581, SRT, "Pulmonary Venous Structure"<br>$MeasType = DCID (12214) Echocardiography Pulmonary Veins |
| 19 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (P5-30031, SRT, "Cardiac Shunt Study")<br>$MeasType = DCID (12217) Echocardiography Cardiac Shunt |
| 20 | > | CONTAINS | INCLUDE | DTID (5202) Echo Section | 1 | U | | $SectionSubject = EV (D4-30000, SRT, "Congenital Anomaly of Cardiovascular System")<br>$MeasType = DCID (12218) Echocardiography Congenital |
| 21 | > | CONTAINS | INCLUDE | DTID (5204) Wall Motion Analysis | 1-n | U | | |

**Content Item Descriptions**

Row 21 The wall motion findings of stress stage. There may be multiple Template instances to report wall motion findings of multiple stages.



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### TID 5201 Echocardiography Patient Characteristics

Patient Characteristic concepts in this template, which may replicate attributes in the Patient Study Module, are included here as possible targets of by-reference relationships from other content items in the SR tree.

Note: Several of the concepts in this template duplicate concepts in TID 1007 “Subject Context, Patient”. The difference in use is that this template has those concepts as primary observations of the patient, while in TID 1007 the concepts are used to set (or reset) the context for other observations.

**TID 5201**
**Echocardiography Patient Characteristics**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121118, DCM, “Patient Characteristics”) | 1 | M | | |
| 2 | > | CONTAINS | NUM | EV (121033, DCM, "Subject Age”) | 1 | U | | Units = DCID (7456) Units of Measure for Age |
| 3 | > | CONTAINS | CODE | EV (121032, DCM, "Subject Sex”) | 1 | U | | DCID (7455) Sex |
| 4 | > | CONTAINS | NUM | EV (8867-4, LN, “Heart Rate”) | 1 | U | | |
| 5 | > | CONTAINS | NUM | EV (F-008EC, SRT, “Systolic Blood Pressure”) | 1 | U | | |
| 6 | > | CONTAINS | NUM | EV (F-008ED, SRT, "Diastolic Blood Pressure") | 1 | U | | |
| 7 | > | CONTAINS | NUM | EV (8277-6, LN, “Body Surface Area”) | 1 | M | | |
| 8 | >> | INFERRED FROM | CODE | EV (8278-4, LN, "Body Surface Area Formula") | 1 | U | | BCID (3663) Body Surface Area Equations |

### TID 5202 Echo Section

This is a generic section heading Template for any of the anatomical headings. Measurements within a section heading appear as groups (by image mode or acquisition protocol).

| Parameter Name | Parameter Usage |
|---|---|
| $SectionSubject | The subject modifier of the section heading container |
| $MeasType | The concept name of the measurement |

**TID 5202**
**ECHO SECTION**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, ”Findings”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | $SectionSubject |
| 3 | > | CONTAINS | CONTAINER | DT (125007, DCM, “Measurement Group”) | 1-n | M | | |
| 4 | >> | HAS CONCEPT | CODE | EV (G-0373, SRT,”Image Mode” ) | 1 | U | | BCID (12224) Ultrasound Image Modes |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | MOD | | | | | | |
| 5 | >> | HAS CONCEPT MOD | CODE | DT (125203,DCM,"Acquisition Protocol") | 1 | U | | |
| 6 | >> | CONTAINS | INCLUDE | DTID (5203) Echo Measurement | 1-n | M | | $Measurement = $MeasType<br>$Method=CID (12227) Echocardiography Measurement Method |

**Echo Section Descriptions**

Rows 4, 5 Type of measurement group. May be grouped by image mode, or acquisition protocol, or some other user or manufacturer designated classification

**TID 5203 Echo Measurement**

| Parameter Name | Parameter Usage |
|---|---|
| $Measurement | Coded term or Context Group for Concept Name of measurement |
| $Method | Value for Measurement Method |

**TID 5203**
**Echo Measurement**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | INCLUDE | DTID (300) Measurement | 1 | M | | $Measurement = $Measurement<br>$Method = $Method<br>$TargetSite = BCID (12236) Echo Anatomic Sites<br>$TargetSiteMod = BCID (12237) Echocardiography Anatomic Site Modifiers |
| 2 | > | HAS CONCEPT MOD | CODE | EV (G-C048, SRT, "Flow Direction") | 1 | U | | BCID (12221) Flow Direction |
| 3 | > | HAS CONCEPT MOD | CODE | EV (R-40899, SRT, "Respiratory Cycle Point") | 1 | U | | DCID (12234) Respiration State |
| 4 | > | HAS CONCEPT MOD | CODE | EV (R-4089A, SRT, "Cardiac Cycle Point") | 1 | U | | DCID (12233) Cardiac Phase |
| 5 | > | HAS ACQ CONTEXT | CODE | EV (G-0373, SRT, "Image Mode") | 1 | U | | DCID (12224) Ultrasound Image Modes |
| 6 | > | HAS ACQ CONTEXT | CODE | EV (111031, DCM, "Image View") | 1 | U | | BCID (12226) Echocardiography Image View |



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### TID 5204 Echocardiography Wall Motion Analysis

The Wall Motion Analysis Template is used to document wall motion scoring.

**TID 5204**
**Wall Motion Analysis**
**Type: Extensible**

| | NL | Relation with Parent | Value Type | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (121070, DCM, "Findings") | | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (P5-B3121, SRT, "Echocardiography for Determining Ventricular Contraction") |
| 3 | > | HAS ACQ CONTEXT | CODE | EV (LN, 18139-6, "Stage") | 1 | U | | BCID (12002) Ultrasound Protocol Stage Types |
| 4 | > | CONTAINS | IMAGE | EV (125201, DCM, "Illustration of Finding") | 1 | U | | |
| 5 | > | CONTAINS | TEXT | EV (LN, 18118-0, “LV Wall Motion Segmental Findings”) | 1 | U | | |
| 6 | > | CONTAINS | NUM | DT (125202, DCM, “LV Wall Motion Score Index”) | 1 | U | | |
| 7 | >> | HAS CONCEPT MOD | CODE | EV (G-E048, SRT, “Assessment Scale”) | 1 | M | | BCID (12238) Wall Motion Scoring Scheme |
| 8 | > | CONTAINS | CONTAINER | EV (121070, DCM, "Findings") | 1 | UC | IF observer specifies a score | |
| 10 | >> | HAS CONCEPT MOD | CODE | EV (G-C0E3, SRT, “Finding Site”) | 1 | M | | DT (T-D0772, SRT, ”Myocardial Wall”) |
| 11 | >> | CONTAINS | CODE | EV (LN, 18179-2, "Wall Segment”) | 1-n | M | | BCID (3717) Myocardial Wall Segments |
| 12 | >>> | HAS PROPERTIES | CODE | EV (F-32050, SRT, ”Cardiac Wall Motion”) | 1 | MC | IF row 13 is absent | DCID (3703) Wall Motion |
| 13 | >>> | HAS PROPERTIES | CODE | EV (G-C504, SRT, "Associated Morphology") | 1 | MC | IF row 12 is absent | DCID (3704) Myocardium Wall Morphology Findings |
| 14 | >>> | HAS PROPERTIES | NUM | DT (G-C1E3, SRT, “Score”) | 1 | U | | |

### Wall Motion Analysis Item Descriptions

| | |
|---|---|
| Row 3 | The stage of the ultrasound protocol at which these findings were scored. This row may be absent if this is a generic, non-staged scoring. |
| Row 4 | Image that graphically depicts the segments and their scores. |
| Row 5 | Text narration accompanying this stage. |
| Row 6 | The composite score computed from the average of the scored segments |
| Row 7 | The type of scoring scheme used to score this exam. |
| Row 8 | A container of all of the individual segment findings for this stage. The container shall be present if the observer makes an assessment, including the assessment of Not Visualized. It shall not be present if no evaluation was made. |
| Rows 12, 13 | Scar/thinning (in Row 13) may accompany akinesis and dyskinesis (in Row 12). |
| Row 14 | A numeric designation for the score. Score ranges vary, typically 0-4 or 0-5. |



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Numeric scores may depend on wall motion findings as well as morphology findings. See the table below for conventional numeric assignment schemes. The UCUM annotation code enables specifying the numeric range, ("{L:N}", UCUM, "scale L:N"), where L and N are the lower and upper ends of the range.

**Table 5204-1 Numeric Score Assignment for Segmental Findings**

A description of the scoring schemes described in the table below is available in *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, Vol 2, No 5 358-367, Oct 1989.

| Conventional Numeric Assignment | Wall Motion Finding or Morphology Finding | | |
|---|---|---|---|
| | 4 Point | 5 Point | 5 Point with Graded Hypokinesis |
| -1 | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D SRT, “Hyperkinesis”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-0030D, SRT, “Hyperkinesis”) |
| 0 | (F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (122288, DCM , “Not Visualized”) |
| 1 | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”) | (F-32050, SRT, ”Cardiac Wall Motion”) = (R-00344, SRT, “Normal Wall Motion”) |
| 1.5 | | | (F-32050, SRT, “Cardiac Wall Motion”) = (R-00327, SRT, “Mild Hypokinesis”) |
| 2 | (F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B, SRT, “Hypokinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (R-4041B, SRT, “Hypokinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (R-0032F, SRT, “Moderate Hypokinesis”) |
| 2.5 | | | (F-32050, SRT, “Cardiac Wall Motion”) = (R-00370, SRT, “Severe Hypokinesis”) |
| 3 | (F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (F-30004, SRT, “Akinesis”) |
| 4 | (F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”) | (F-32050, SRT, “Cardiac Wall Motion”) = (F-32052, SRT, “Dyskinesis”) |
| 5 | | (G-C504, SRT, "Associated Morphology") = (D3-10510, SRT, “Ventricular Aneurysm”) | (G-C504, SRT, "Associated Morphology") = (D3-10510, SRT, “Ventricular Aneurysm”) |



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## RELEVANT PATIENT INFORMATION TEMPLATES

### TID 9000 Relevant Patient Information For Breast Imaging

This template collects a patient's relevant information as it relates to breast imaging. This template, together with its subordinate templates, describes the history of a patient's reproductive system, hormone medications, past procedures, risk factors, and indicated problems as they relate to breast health.

**TID 9000**

**RELEVANT PATIENT INFORMATION FOR BREAST IMAGING**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111511, DCM, "Relevant Patient Information for Breast Imaging") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |
| 3 | > | CONTAINS | INCLUDE | DTID (3114) Patient Assessment | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (9001) Gynecological History | 1 | U | | |
| 5 | > | CONTAINS | INCLUDE | DTID (9002) Medication, Substance, Environmental Exposure | 1 | U | | $ContainerConcept= EV ( 10160-2, LN, "History Of Medication Use")<br>$CodeConcept= EV (111516, DCM, "Medication Type")<br>$CodeValue = DCID (6080) Gynecological Hormones |
| 6 | > | CONTAINS | INCLUDE | DTID (9003) Previous Procedure | 1 | U | | $ProcedureList = DCID (6083) Procedures for Breast, DCID (6082) Gynecological Procedures<br>$ProcedureModifier = DCID (6058) Procedure Modifiers for Breast<br>$NumConceptName= DCID (6095) Numeric Properties of Procedures<br>$LateralityValue = DCID (6022) Side<br>$ProcedureResult = DCID (6063) Interventional Procedure Results<br>$ComplicationValue= DCID (6062) Interventional |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Procedure Complications |
| 7 | > | CONTAINS | INCLUDE | DTID (9004) Indicated Problem | 1 | U | | $ProblemList = DCID (6055) Breast Clinical Finding or Indicated Problem<br>$LateralityValue = DCID (6022) Side<br>$LocationValue = DCID (6018) Clockface Location or Region , DCID (6020) Quadrant Location |
| 8 | > | CONTAINS | INCLUDE | DTID (9005) Risk Factor | 1 | U | | $RiskList = DCID (6081) Breast Cancer Risk Factors<br>$FamilyList = DCID (7451) Family Member |

### TID 9001 Gynecological History

This general template collects the details of a patient's reproductive system history, such as number of births, and gynecological surgery history.

**TID 9001**

**GYNECOLOGICAL HISTORY**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (R-20767, SRT, "Gynecological History") | 1 | M | | |
| 2 | > | HAS OBS CONTEXT | CODE | EV (111534, DCM, "Role of person reporting") | 1 | U | | DCID (7450) Person Roles |
| 3 | > | CONTAINS | DATE | EV (11955-2, LN, "Date of last menstrual period") | 1 | U | | |
| 4 | > | CONTAINS | NUM | EV (111518, DCM, "Age when first menstrual period occurred") | 1 | U | | UNITS = EV (a,UCUM,"Year") |
| 5 | > | CONTAINS | NUM | EV (111519, DCM, "Age at First Full Term Pregnancy") | 1 | U | | UNITS = EV (a,UCUM,"Year") |
| 6 | > | CONTAINS | NUM | EV (11977-6, LN, "Para") | 1 | U | | UNITS = EV (1,UCUM,"no units") |
| 7 | > | CONTAINS | NUM | EV (11639-2, LN, "Term") | 1 | U | | UNITS = EV (1,UCUM,"no units") |
| 8 | > | CONTAINS | NUM | EV (11637-6, LN, "Preterm") | 1 | U | | UNITS = EV (1,UCUM,"no units") |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 9 | > | CONTAINS | NUM | EV (11636-8, LN, ”Living”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 10 | > | CONTAINS | NUM | EV (11636-8, LN, ”LBW or IUGR”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 11 | > | CONTAINS | NUM | EV (11996-6, LN, ”Gravida”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 12 | > | CONTAINS | NUM | EV (11612-9, LN, “Aborta”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 13 | > | CONTAINS | NUM | EV (33065-4, LN, “Ectopic Pregnancies”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 14 | > | CONTAINS | NUM | EV (111520, DCM, ”Age at Menopause”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 15 | > | CONTAINS | NUM | EV (111521, DCM, ”Age when hysterectomy performed”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 16 | >> | HAS CONCEPT MOD | CODE | EV (R-404ED, SRT, “Extent”) | 1 | U | | EV (R-404F1, SRT, “Complete”) or EV (R-404FE, SRT, “Partial”) |
| 17 | > | CONTAINS | NUM | EV (111522, DCM, ”Age when left ovary removed”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 18 | > | CONTAINS | NUM | EV (111523, DCM, ”Age when right ovary removed”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 19 | > | CONTAINS | CODE | EV (111543, DCM, ”Breast feeding history”) | 1 | U | | DCID (230) Yes-No |
| 20 | >> | HAS PROPERTIES | NUM | EV (111544, DCM, “Average breast feeding period”) | 1 | U | | UNITS = EV (wk,UCUM,”Week”) |
| 21 | > | CONTAINS | CODE | EV (111532, DCM, ”Pregnancy Status”) | 1 | U | | DCID (6096) Pregnancy Status |
| 22 | > | CONTAINS | CODE | EV (111391, DCM, ”Menstrual Cycle Phase”) | 1 | U | | DCID (6163) Menstrual Cycle Phase |

### TID 9002 Medication, Substance, Environmental Exposure

This general template provides detailed information on a patient’s medication or substance use, or exposure to environmental factors, including type and duration of use or exposure.

| Parameter Name | Parameter Usage |
|---|---|
| $ContainerConcept | Coded term for the concept name of the CONTAINER, identifying it as medication, substance, or environmental exposure history. |
| $CodeConcept | Coded term for the concept name of the |



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| | |
|---|---|
| | CODE, identifying it as medication, substance, or environmental exposure. |
| $CodeValue | Coded term or Context Group for value of the medication, substance, or environmental exposure. |

**TID 9002**

**MEDICATION, SUBSTANCE, ENVIRONMENTAL EXPOSURE**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | $ContainerConcept | 1 | M | | |
| 2 | > | CONTAINS | CODE | $CodeConcept | 1-n | M | | $CodeValue |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (G-C032, SRT, ”Classification”) | 1 | U | | |
| 4 | >> | HAS OBS CONTEXT | CODE | EV (111534, DCM, ”Role of person reporting”) | 1 | U | | DCID (7450) Person Roles |
| 5 | >> | HAS PROPERTIES | NUM | EV (111524, DCM, ”Age Started”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 6 | >> | HAS PROPERTIES | NUM | EV (111525, DCM, ”Age Ended”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 7 | >> | HAS PROPERTIES | DATETIME | EV (111526, DCM, ”Datetime Started”) | 1 | U | | |
| 8 | >> | HAS PROPERTIES | DATETIME | EV (111527, DCM, ”Datetime Ended”) | 1 | U | | |
| 9 | >> | HAS PROPERTIES | NUM | EV (G-7290, SRT, ”Duration”) | 1 | U | | UNITS = DCID (6046) Units of Follow-up Interval |
| 10 | >> | HAS PROPERTIES | CODE | EV (111528, DCM, ”Ongoing”) | 1 | U | | DCID (230) Yes-No |
| 11 | >> | HAS PROPERTIES | TEXT | EV (111529, DCM, ”Brand Name”) | 1 | U | | |
| 12 | >> | HAS PROPERTIES | NUM | DCID (6092) Quantitative Concepts for Usage, Exposure | 1 | U | | The unit of measure shall be quantity per unit of time |
| 13 | >> | HAS PROPERTIES | CODE | DCID (6093) Qualitative Concepts for Usage, Exposure Amount | 1 | U | | DCID (6090) Relative Usage, Exposure Amount |
| 14 | >> | HAS PROPERTIES | CODE | DCID (6094) Qualitative Concepts for Usage, Exposure Frequency | 1 | U | | DCID (6091) Relative Frequency of Event Values |



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**Content Item Descriptions**

| | |
|---|---|
| Row 3 “Classification” | No context group is provided for the value set, but it is recommended that values from a standard external coding scheme, such as SRT or NDC, be used. |
| Rows 13 & 14 | If both of these content items are instantiated, the concept names selected for each should match. For example, use “Relative dose amount” as the concept name for row 13 with “Relative dose frequency” as the concept name for row 14. |

### TID 9003 Previous Procedure

This general template provides detailed information on a patient’s previous procedure, surgery, or treatment.

| Parameter Name | Parameter Usage |
|---|---|
| $ProcedureList | Coded term or Context Group for value of Previous Procedure |
| $ProcedureModifier | Coded term or Context Group for value of Previous Procedure Modifier |
| $NumConceptName | Coded term or Context Group for the concept name of a numeric property of the Previous Procedure |
| $LateralityValue | Coded term or Context Group for value of Laterality |
| $ProcedureResult | Coded term or Context Group for value of Result of Procedure |
| $ComplicationValue | Coded term or Context Group for value of Complication |

**TID 9003**

**PREVIOUS PROCEDURE**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111513, DCM, ”Relevant Previous Procedures”) | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (111531, DCM, ”Previous Procedure”) | 1-n | M | | $ProcedureList |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (111464, DCM, “Procedure Modifier”) | 1-n | U | | $ProcedureModifier |
| 4 | >> | HAS OBS CONTEXT | CODE | EV (111534, DCM, ”Role of person reporting”) | 1 | U | | DCID (7450) Person Roles |
| 5 | >> | HAS PROPERTIES | NUM | $NumConceptName | 1-n | U | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 6 | >> | HAS PROPERTIES | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | U | | $LateralityValue |
| 7 | >> | HAS PROPERTIES | DATETIME | EV (122146, DCM, ”Procedure Datetime”) | 1 | UC | XOR row 8 | |
| 8 | >> | HAS PROPERTIES | CODE | EV (111395, DCM, ”Estimated Timeframe”) | 1 | UC | XOR row 7 | BCID (6164) Time Intervals |
| 9 | >> | HAS PROPERTIES | NUM | EV (R-42009, SRT, ”Number of occurrences”) | 1 | U | | UNITS = EV (1,UCUM,”no units”) |
| 10 | >> | HAS PROPERTIES | CODE | EV (DD-60002, SRT, ”Complication of procedure”) | 1-n | U | | $ComplicationValue |
| 11 | >>> | HAS PROPERTIES | CODE | EV (111466, DCM, ”Severity of Complication”) | 1 | U | | DCID (251) Severity of Complication |
| 12 | >> | HAS PROPERTIES | CODE | EV (122177, DCM, ”Procedure Result”) | 1 | U | | $ProcedureResult |
| 13 | >> | HAS PROPERTIES | INCLUDE | TID (4207) Pathology Results | 1-n | U | | |



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### TID 9004 Indicated Problem

This general template provides information about indicated problems presented by a patient. For example, indicated breast problems relating to the purpose for a mammographic examination.

| Parameter Name | Parameter Usage |
|---|---|
| $ProblemList | Coded term or Context Group for value of Indicated Problem |
| $LateralityValue | Coded term or Context Group for value of Laterality |
| $LocationValue | Coded term or Context Group for value of Location |

**TID 9004**

**INDICATED PROBLEM**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV ( 11450-4, LN, “Problem List”) | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (111533, DCM, ”Indicated Problem”) | 1-n | M | | $ProblemList |
| 3 | >> | HAS OBS CONTEXT | CODE | EV (111534, DCM, ”Role of person reporting”) | 1 | U | | DCID (7450) Person Roles |
| 4 | >> | HAS OBS CONTEXT | DATETIME | EV (111535, DCM, ”Datetime problem observed”) | 1 | U | | |
| 5 | >> | HAS PROPERTIES | CODE | EV (G-C171, SRT, ”Laterality”) | 1 | U | | $LateralityValue |
| 6 | >> | HAS PROPERTIES | CODE | EV (G-C0E3, SRT, ”Finding site”) | 1 | U | | $LocationValue |
| 7 | >> | HAS PROPERTIES | NUM | EV (G-7290, SRT, “Duration”) | 1 | U | | |
| 8 | >> | HAS PROPERTIES | CODE | EV (R-407E7, SRT, “Frequency”) | 1 | U | | DCID (6091) Relative Frequency of Event Values |
| 9 | >> | HAS PROPERTIES | DATETIME | EV (111536, DCM, “Datetime of last evaluation”) | 1 | U | | |
| 10 | >> | HAS PROPERTIES | TEXT | EV (122106, DCM, “Comment”) | 1 | U | | |



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### TID 9005 Risk Factor

This general template provides detailed information on the risk factors for a patient, related to medical history for themselves and family members.

| Parameter Name | Parameter Usage |
|---|---|
| $RiskList | Coded term or Context Group for value of Risk Factor |
| $FamilyList | Coded term or Context Group for value of Family Member with Risk Factor |

**TID 9005**

**RISK FACTOR**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111515, DCM, ”Relevant Risk Factors”) | 1 | M | | |
| 2 | > | CONTAINS | CODE | EV (F-01500, SRT, ”Risk factor”) | 1-n | M | | $RiskList |
| 3 | >> | HAS CONCEPT MOD | CODE | EV (111530, DCM, “Risk Factor modifier”) | 1 | U | | EV (G-0002, SRT, “Family history of”) |
| 4 | >> | HAS CONCEPT MOD | NUM | EV(18185-9, LN, ”Gestational Age”) | 1 | UC | IFF value of row 2 is (G-0305, SRT, “History of – premature delivery”) | |
| 5 | >> | HAS OBS CONTEXT | CODE | EV (111534, DCM, ”Role of person reporting”) | 1 | U | | DCID (7450) Person Roles |
| 6 | >> | HAS PROPERTIES | NUM | EV (111538, DCM, ”Age at Occurrence”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 7 | >> | HAS PROPERTIES | NUM | EV (G-7290, SRT, “Duration”) | 1 | U | | UNITS = DCID (6046) Units of Follow-up Interval |
| 8 | >> | HAS PROPERTIES | TEXT | EV (121106, DCM, “Comment”) | 1 | U | | |
| 9 | >> | INFERRED FROM | CODE | EV (111537, DCM, ”Family Member with Risk Factor”) | 1-n | U | | $FamilyList |
| 10 | >>> | HAS CONCEPT MOD | NUM | EV (111538, DCM, ”Age at Occurrence”) | 1 | U | | UNITS = EV (a,UCUM,”Year”) |
| 11 | >>> | HAS CONCEPT MOD | CODE | EV (111539, DCM, ”Menopausal phase”) | 1 | U | | DCID (6086) Menopausal Phase |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 12 | >>> | HAS CONCEPT MOD | CODE | EV (111540, DCM, "Side of Family") | 1 | U | | DCID (6097) Side of Family |

### TID 9006 Obstetric History

This general template collects the details of a patient's obstetric history for a current pregnancy. Information regarding previous pregnancies is conveyed using the Gynecological History Template.

**TID 9006**

**OBSTETRIC HISTORY**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | CONTAINS | CONTAINER | EV (R-20658, SRT, "Obstetric History") | 1 | M | | |
| 2 | > | CONTAINS | DATE | DCID (12003) OB-GYN Dates | 1-n | U | | |
| 3 | > | CONTAINS | NUM | EV (18185-9, LN, "Gestational Age") | 1 | U | | UNITS= EV (d,UCUM, "Day") |
| 4 | > | CONTAINS | TEXT | EV (121106, DCM, "Comment") | 1-n | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 "Gestational Age" | Observation DateTime (0040,A032) for Content Item shall be present, in order to convey the date and time at which this Gestational Age was established. |

### TID 9007 General Relevant Patient Information

This template collects a patient's relevant information for general purpose use. This template, together with its subordinate templates, describes the history of a patient's reproductive system, medications, substance use, environmental exposure, past procedures, risk factors, and indicated problems.

**TID 9007**

**GENERAL RELEVANT PATIENT INFORMATION**

**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (111517, DCM, "Relevant Patient Information") | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | INCLUDE | DTID (1204) Language of Content Item and Descendants | 1 | M | | |



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| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 3 | > | CONTAINS | INCLUDE | DTID (3114) Patient Assessment | 1 | U | | |
| 4 | > | CONTAINS | INCLUDE | DTID (9002) Medication, Substance, Environmental Exposure | 1 | U | | $ContainerConcept= EV ( 10160-2, LN, “History Of Medication Use”)<br>$CodeConcept= EV (111516, DCM, ”Medication Type”) |
| 5 | > | CONTAINS | INCLUDE | DTID (9002) Medication, Substance, Environmental Exposure | 1 | U | | $ContainerConcept= EV (111545, DCM, ”Substance Use History”)<br>$CodeConcept= EV (111546, DCM, ”Used Substance Type”)<br>$CodeValue= BCID (6089) Substances |
| 6 | > | CONTAINS | INCLUDE | DTID (9002) Medication, Substance, Environmental Exposure | 1 | U | | $ContainerConcept= EV (111547, DCM, ”Environmental Exposure History”)<br>$CodeConcept= EV (111548, DCM, ”Environmental Factor”) |
| 7 | > | CONTAINS | INCLUDE | DTID (9003) Previous Procedure | 1 | U | | $LateralityValue= BCID (244) Laterality |
| 8 | > | CONTAINS | INCLUDE | DTID (9004) Indicated Problem | 1 | U | | $LateralityValue= BCID (244) Laterality |
| 9 | > | CONTAINS | INCLUDE | DTID (9005) Risk Factor | 1 | U | | $RiskList= BCID (6087) General Risk Factors<br>$FamilyList= DCID (7451) Family Member |
| 10 | > | CONTAINS | INCLUDE | DTID (9001) Gynecological History | 1 | U | | |
| 11 | > | CONTAINS | INCLUDE | DTID (9006) Obstetric History | 1 | U | | |
| 12 | > | CONTAINS | INCLUDE | DTID (3802) Cardiovascular Patient History | 1 | U | | |
| 13 | > | CONTAINS | INCLUDE | DTID (351) Previous Reports | 1 | U | | |

## X-RAY RADIATION DOSE SR IOD TEMPLATES

The templates that comprise the X-Ray Radiation Dose SR are interconnected as in Figure A-11.



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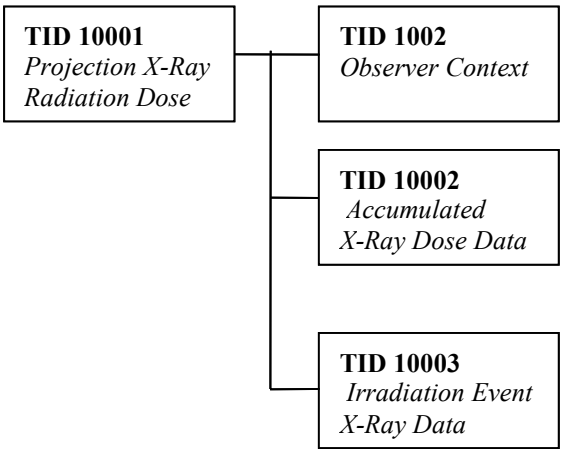


**Figure A-11: X-Ray Radiation Dose SR IOD Template Structure**

**TID 10001 Projection X-Ray Radiation Dose**

This template defines a container (the root) with subsidiary content items, each of which represents a single projection X-Ray irradiation event entry or plane-specific dose accumulations. There is a defined recording observer (the system or person responsible for recording the log, generally the system). A Biplane irradiation event will be recorded as two individual events, one for each plane. Accumulated values will be kept separate for each plane.

**TID 10001**
**PROJECTION X-RAY RADIATION DOSE**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (113701, DCM, “X-Ray Radiation Dose Report”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (121058, DCM, ”Procedure reported”) | 1 | M | | DT (113704, DCM, “Projection X-Ray”) |
| 3 | > | | INCLUDE | DTID (1002) Observer Context | 1-n | M | | |
| 4 | > | HAS OBS CONTEXT | CODE | EV (113705, DCM, “Scope of Accumulation”) | 1 | M | | DCID (10000) Scope of Accumulation |
| 5 | >> | HAS PROPERTIES | UIDREF | DCID (10001) UID Types | 1 | M | | |
| 6 | > | CONTAINS | TEXT | EV (113780, DCM, “Reference Point Definition”) | 1 | U | | |
| 7 | > | CONTAINS | INCLUDE | DTID (10002) Accumulated X-Ray Dose | 1 | MC | IFF Single Plane system | $Plane = EV (113622, DCM, ”Single Plane” |
| 8 | > | CONTAINS | INCLUDE | DTID (10002) Accumulated X-Ray | 1 | MC | IFF Biplane system | $Plane = EV (113620, DCM, ”Plane A”) |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Dose | | | | |
| 9 | > | CONTAINS | INCLUDE | DTID (10002) Accumulated X-Ray Dose | 1 | MC | IFF Biplane system | $Plane = EV (113621, DCM, ”Plane B”) |
| 10 | > | CONTAINS | INCLUDE | DTID (10003) Irradiation Event X-Ray Data | 1-n | M | | |
| 11 | > | CONTAINS | TEXT | EV (121106, DCM, “Comment”) | 1 | U | | |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | The observer context may include both a Person Observer identification, as well as the identity of the equipment providing the values for the irradiation event (Device Observer identification), if not inherited. |
| Row 6 | This item defines the Reference Point (RP) used for RP-related dose values. The RP may be defined according to IEC 60601-2-43, or may use an implementation-specific definition. |

**TID 10002 Accumulated X-Ray Dose**

This general template provides detailed information on projection X-Ray dose value accumulations over several irradiation events from the same equipment (typically a study or a performed procedure step).

| Parameter Name | Parameter Usage |
|---|---|
| $Plane | Coded term identifying to which acquisition plane the encoded information belongs. |

**TID 10002**
**ACCUMULATED X-RAY DOSE**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (113702, DCM, ”Accumulated X-Ray Dose Data”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (113764, DCM, “Acquisition Plane” | 1 | M | | $Plane |
| 3 | > | CONTAINS | TEXT | EV (113780, DCM, “Reference Point Definition”) | 1 | U | | |
| 4 | > | CONTAINS | CONTAINER | EV (122505, DCM, “Calibration”) | 1 | M | | |
| 5 | >> | HAS CONCEPT MOD | CODE | EV (113794, DCM, “Dose Measurement Device”) | 1-n | M | | DCID (10010) Dose Measurement Devices |
| 6 | >> | CONTAINS | DATETIME | EV (113723, DCM, “Calibration Date”) | 1 | M | | |
| 7 | >> | CONTAINS | NUM | EV (122322, DCM, “Calibration Factor”) | 1 | M | | Units = EV (1, UCUM, “no units”) |
| 8 | >> | CONTAINS | NUM | EV (113763, DCM, “Calibration Uncertainty”) | 1 | M | | Units = EV (%, UCUM, “Percent”) |
| 9 | >> | CONTAINS | TEXT | EV (113724, DCM, “Calibration | 1 | M | | |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Responsible Party") | | | | |
| 10 | > | CONTAINS | NUM | EV (113722, DCM, "Dose Area Product Total") | 1 | M | | Units = EV (Gym2, UCUM, "Gym2") |
| 11 | > | CONTAINS | NUM | EV (113725, DCM, "Dose (RP) Total") | 1 | M | | Units = EV (Gy, UCUM, "Gy") |
| 12 | > | CONTAINS | NUM | EV (113726, DCM, "Fluoro Dose Area Product Total") | 1 | MC | IFF TID(10003) Row 3 value = (P5-06000, SRT, "Fluoroscopy") for at least one irradiation event | Units = EV (Gym2, UCUM, "Gym2") |
| 13 | > | CONTAINS | NUM | EV (113728, DCM, "Fluoro Dose (RP) Total") | 1 | MC | IFF TID(10003) Row 3 value = (P5-06000, SRT, "Fluoroscopy") for at least one irradiation event | Units = EV (Gy, UCUM, "Gy") |
| 14 | > | CONTAINS | NUM | EV (113730, DCM, "Total Fluoro Time") | 1 | MC | IFF TID(10003) Row 3 value = (P5-06000, SRT, "Fluoroscopy") for at least one irradiation event. | Units = EV (s, UCUM, "s") |
| 15 | > | CONTAINS | NUM | EV (113727, DCM, "Acquisition Dose Area Product Total") | 1 | M | | Units = EV (Gym2, UCUM, "Gym2") |
| 16 | > | CONTAINS | NUM | EV (113729, DCM, "Acquisition Dose (RP) Total") | 1 | M | | Units = EV (Gy, UCUM, "Gy") |
| 17 | > | CONTAINS | NUM | EV (113731, DCM, "Total Number of Radiographic Frames") | 1 | U | | Units = EV (1, UCUM, "no units") |

**Content Item Descriptions**

| | |
|---|---|
| Row 3 | Reference Point definition if not provided in TID 10001 |
| Row 4 | Date that the calibration of the equipment's dose indicators was performed |
| Row 7 | Factor by which the measured dose area product total was multiplied to obtain the Dose Area Product Total (Row 10). |
| Row 8 | Value range from 0 to 100 percent. Uncertainty of the 'actual' value expressed as +/- of the mean. |
| Row 9 | Identifies Individual or organization responsible for calibration |
| Row 10 | Sum of acquisition and fluoroscopy |
| Row 11 | Sum of acquisition and fluoroscopy, relative to reference point. |
| Rows 12-14 | Fluoroscopic component only |
| Rows 15-16 | Acquisition component only |

**TID 10003 Irradiation Event X-Ray Data**

This template conveys the dose and equipment parameters of a single irradiation event.

An irradiation event is the occurrence of radiation being applied to a patient in single continuous time-frame between the start (release) and the stop (cease) of the irradiation. The irradiation event is the "smallest" information entity to be recorded in the realm of Radiation Dose reporting. Individual Irradiation Events are described by a set of accompanying physical parameters that are sufficient to understand the "quality" of irradiation that is being applied. This set of parameters may be different for the various types of equipment that are able to create irradiation events. Any on-off switching of the irradiation source during the event shall not be treated as separate events, rather the event includes the time between start



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and stop of irradiation as triggered by the user. E.g., a pulsed fluoro X-Ray acquisition shall be treated as a single irradiation event.

As described in Section 6.2.4, measurement concepts may be post-coordinated, even though not explicitly specified in the Template. In particular, post-coordination using modifier concept (121401, DCM, “Derivation”), with modifier values drawn from CID 10009 Measured/Calculated would be appropriate to encode indications of measured or of calculated values.

**TID 10003**
**IRRADIATION EVENT X-RAY DATA**
**Type: Extensible**

| | NL | Rel with Parent | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|---|
| 1 | | | CONTAINER | EV (113706, DCM, ”Irradiation Event X-Ray Data”) | 1 | M | | |
| 2 | > | HAS CONCEPT MOD | CODE | EV (113764, DCM, “Acquisition Plane” | 1 | M | | DCID (10003) Equipment Plane Identification |
| 3 | > | CONTAINS | CODE | EV (113721, DCM, “Irradiation Event Type”) | 1 | M | | DCID (10002) Irradiation Event Types |
| 4 | > | CONTAINS | TEXT | EV (125203, DCM, “Acquisition Protocol”) | 1 | U | | |
| 5 | > | CONTAINS | TEXT | EV (113780, DCM, “Reference Point Definition”) | 1 | U | | |
| 6 | > | CONTAINS | IMAGE | EV (113795, DCM, “Acquired Image”) | 1-n | MC | IFF Image Object is created for this irradiation event | |
| 7 | > | CONTAINS | UIDREF | EV (113769, DCM, “Irradiation Event UID”) | 1 | M | | |
| 8 | > | CONTAINS | NUM | EV (122130, DCM, “Dose Area Product” | 1 | M | | Units = EV (Gym2, UCUM, "Gym2") |
| 9 | > | CONTAINS | NUM | EV (113738, DCM, “Dose (RP)”) | 1 | M | | Units = EV (Gy, UCUM, “Gy”) |
| 10 | > | CONTAINS | NUM | EV (112011, DCM, “Positioner Primary Angle”) | 1 | UC | XOR Row 14 | Units = EV (deg, UCUM, “º”) |
| 11 | > | CONTAINS | NUM | EV ( 112012, DCM, “Positioner Secondary Angle”) | 1 | UC | XOR Row 14 | Units = EV (deg, UCUM, “º”) |
| 12 | > | CONTAINS | NUM | EV (113739, DCM, “Positioner Primary End Angle” | 1 | UC | IFF Row 3 value = (113613, DCM, “Rotational Acquisition”) | Units = EV (deg, UCUM, “º”) |
| 13 | > | CONTAINS | NUM | EV (113740, DCM, “Positioner Secondary End Angle” | 1 | UC | IFF Row 3 value = (113613, DCM, “Rotational Acquisition”) | Units = EV (deg, UCUM, “º”) |
| 14 | > | CONTAINS | NUM | EV (113770, DCM, “Column Angulation”) | 1 | UC | XOR Rows 10,11 | Units = EV (deg, UCUM, “º”) |
| 15 | > | CONTAINS | NUM | EV (113790, DCM, “Collimated Field Area” | 1 | U | | Units = EV (m2, UCUM, “m^2”) |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 16 | > | CONTAINS | CONTAINER | EV (113771, DCM, “X-Ray Filters”) | 1-n | U | | |
| 17 | >> | CONTAINS | CODE | EV (113772, DCM, “X-Ray Filter Type”) | 1 | U | | DCID (10007) X-Ray Filter Types |
| 18 | >> | CONTAINS | CODE | EV (113757, DCM, “X-Ray Filter Material”) | 1 | U | | DCID (10006) X-Ray Filter Materials |
| 19 | >> | CONTAINS | NUM | EV (113758, DCM, “X-Ray Filter Thickness Minimum”) | 1 | U | | Units = EV (mm, UCUM, “mm”) |
| 20 | >> | CONTAINS | NUM | EV (113773, DCM, “X-Ray Filter Thickness Maximum”) | 1 | U | | Units = EV (mm, UCUM, “mm”) |
| 21 | > | CONTAINS | CODE | EV (113732, DCM, “Fluoro Mode”) | 1 | UC | IFF Row 3 value = (P5-06000, SRT, “Fluoroscopy”) | DCID (10004) Fluoro Modes |
| 22 | > | CONTAINS | NUM | EV (113791, DCM, “Pulse Rate”) | 1 | MC | IFF Row 21 value = (113631, DCM, “Pulsed”) | Units = EV ({pulse}/s, UCUM, “pulse/s”) |
| 23 | > | CONTAINS | NUM | EV (113768, DCM, “Number of Pulses”) | 1 | M | | Units = EV (1, UCUM, “no units”) |
| 24 | >> | HAS CONCEPT MOD | CODE | EV (121401, DCM, “Derivation”) | 1 | MC | IFF count of pulses in Row 23 is estimated | EV (R-10260, SRT, “Estimated”) |
| 25 | > | CONTAINS | NUM | EV (113733, DCM, “KVP”) | 1-n | U | | Units = EV (kV, UCUM, “kV”) |
| 26 | > | CONTAINS | NUM | EV (113734, DCM, “X-Ray Tube Current”) | 1-n | U | | Units = EV (mA, UCUM, “mA”) |
| 27 | > | CONTAINS | NUM | EV (113735, DCM, “Exposure Time”) | 1 | U | | Units = EV (ms, UCUM, “ms”) |
| 28 | > | CONTAINS | NUM | EV (113793, DCM, “Pulse Width”) | 1-n | U | | Units = EV (ms, UCUM, “ms”) |
| 29 | > | CONTAINS | NUM | EV (113736, DCM, “Exposure”) | 1-n | U | | Units = EV (uAs, UCUM, “uAs”) |
| 30 | > | CONTAINS | NUM | EV (113766, DCM, “Focal Spot Size”) | 1 | U | | Units = EV (mm, UCUM, “mm”) |
| 31 | > | CONTAINS | NUM | EV (113742, DCM, “Irradiation Duration”) | 1 | U | | Units = EV (s, UCUM, “s”) |
| 32 | > | CONTAINS | NUM | EV (113767, DCM, “Average X-Ray Tube Current”) | 1 | U | | Units = EV (mA, UCUM, “mA”) |
| 33 | > | CONTAINS | CODE | EV (113745, DCM, “Patient Table Relationship”) | 1 | U | | DCID (21) Patient Gantry Relationship |
| 34 | > | CONTAINS | CODE | EV (113743, DCM, “Patient Orientation”) | 1 | U | | DCID (19) Patient Orientation |
| 35 | >> | HAS CONCEPT MOD | CODE | EV (113744, DCM, “Patient Orientation Modifier”) | 1 | M | | DCID (20) Patient Orientation Modifier |
| 36 | > | CONTAINS | NUM | DCID (10008) Dose Related Distance Measurements | 1-n | U | | Units = EV (mm, UCUM, “mm”) |
| 37 | > | CONTAINS | NUM | EV (113754, DCM, “Table Head Tilt Angle”) | 1 | U | | Units = EV (deg, UCUM, “°”) |
| 38 | > | CONTAINS | NUM | EV (113755, DCM, “Table Horizontal Rotation Angle”) | 1 | U | | Units = EV (deg, UCUM, “°”) |



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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 39 | > | CONTAINS | NUM | EV (113756, DCM, “Table Cradle Tilt Angle”) | 1 | U | | Units = EV (deg, UCUM, “°”) |
| 40 | > | CONTAINS | CODE | EV (123014 , DCM, (”Target Region”) | 1 | U | | DCID (4031) Common Anatomic Regions |
| 41 | > | CONTAINS | TEXT | EV (121106, DCM, “Comment”) | 1 | U | | |

### Content Item Descriptions

| | |
|---|---|
| Row 5 | Reference Point definition if not provided in TID 10001 |
| Row 6 | Reference to Image instances created during this event, if any. The UID reference(s) provided here shall be the values at the time the images were initially created. (Note that image UIDs may be changed as the images are managed over a long term.) |
| Row 7 | If the image generating entity does not assign a DICOM UID to the irradiation event (e.g., for non-digital imaging equipment), the application generating this report shall assign a UID. |
| Row 9 | Dose applied by this irradiation event, relative to defined reference point. |
| Row 10 | Angle in patient’s “equatorial” plane (LAO to RAO). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1510) in an image instance. |
| Row 11 | Angle in patient’s “sagittal” plane (CRAN to CAUD). For dynamically changing angle during the event, the start value shall be provided. Equivalent to (0018,1511) in an image instance. |
| Row 12 | In case of motion during irradiation event, Positioner Primary ending angle |
| Row 13 | In case of motion during irradiation event., Positioner Secondary ending angle |
| Row 14 | Column device Angle in equipment based coordinates |
| Row 15 | Collimated area at the receptor plane. |
| Row 16 | If one or more Filter(s) were applied during this irradiation event |
| Row 23 | If a precise count of pulses is not available, an estimated number shall be provided, and the Row 24 Concept Modifier shall indicate “Estimated” |
| Row 25 | KVP value as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 23 “Number of Pulses”. |
| Row 26 | Tube current as measured/recorded by system, either as a single mean value, or as multiple values. If multiple values are provided, their number shall match the value in Row 23 “Number of Pulses”. |
| Row 27 | Exposure time as measured/recorded by the system. |
| Row 28 | Pulse width as measured/recorded by the system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 23 “Number of Pulses”. |
| Row 29 | Exposure as measured/recorded by system, either as a single total value, or as multiple values. If multiple values are provided, their number shall match the value in Row 23 “Number of Pulses”. The Exposure will be affected by the shape of the pulse and other factors, and may not be a simple multiplication of tube current and exposure time. |
| Row 40 | The target region is the anatomy exposed. |



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# Annex B DCMR Context Groups (Normative)

This Annex specifies the content of Context Groups required by DICOM IODs.

Note: Section 7.1 of this Part defines the fields of Context Group tables.

## CID 2 Anatomic Modifier

**Context ID 2**

**Anatomic Modifier**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A100 | Right |
| SNM3 | G-A101 | Left |
| SNM3 | G-A102 | Bilateral |
| SNM3 | G-A103 | Unilateral |
| SNM3 | G-A104 | Lateral |
| SNM3 | G-A105 | Anterior |
| SNM3 | G-A106 | Posterior |
| SNM3 | G-A107 | Cephalic |
| SNM3 | G-A108 | Caudal |
| SNM3 | G-A109 | Medial |
| SNM3 | G-A110 | Central |
| SNM3 | G-A111 | Peripheral |
| SNM3 | G-A112 | External |
| SNM3 | G-A113 | Internal |
| SNM3 | G-A114 | Intermediate |
| SNM3 | G-A115 | Inferior |
| SNM3 | G-A116 | Superior |
| SNM3 | G-A117 | Transverse |
| SNM3 | G-A118 | Proximal |
| SNM3 | G-A119 | Distal |
| SNM3 | G-A120 | Postaxial |
| SNM3 | G-A121 | Preaxial |
| SNM3 | G-A122 | Apical |
| SNM3 | G-A123 | Basal |
| SNM3 | G-A127 | Afferent |
| SNM3 | G-A128 | Efferent |
| SNM3 | G-A138 | Coronal |
| SNM3 | G-A139 | Superficial |



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| | | |
|---|---|---|
| SNM3 | G-A140 | Deep |
| SNM3 | G-A142 | Horizontal |
| SNM3 | G-A143 | Longitudinal |
| SNM3 | G-A144 | Vertical |
| SNM3 | G-A145 | Sagittal |
| SNM3 | G-A147 | Axial |
| SNM3 | G-A151 | Extra-articular |
| SNM3 | G-A168 | Surface |
| SNM3 | G-A169 | Gutter |
| SNM3 | G-A170 | Hilar |
| SNM3 | G-A171 | Capsular |
| SNM3 | G-A172 | Subcapsular |
| SNM3 | G-A174 | Edge |
| SNM3 | G-A180 | Anterolateral |
| SNM3 | G-A182 | Posterolateral |
| SNM3 | G-A15A | Intra-articular |
| SNM3 | G-A428 | Marginal |

**CID 4 Anatomic Region**

**Context ID 4**

**Anatomic Region**

**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *INCLUDE CID 4030 CT and MR Anatomy Imaged* | | |
| *NCLUDE CID 4040 Endoscopy Anatomic Regions* | | |
| *NCLUDE CID 4042 XA/XRF Anatomy Imaged* | | |
| SNM3 | T-32100 | Atrium |
| SNM3 | T-D8100 | Axilla |
| SNM3 | T-D2100 | Back |
| SNM3 | T-D6500 | Broad ligament |
| SNM3 | T-D1206 | Buccal region of face |
| SNM3 | T-D2600 | Buttock |
| SNM3 | T-72100 | Calyx |
| SNM3 | T-D1206 | Cheek |
| SNM3 | T-AA200 | Cornea |
| SNM3 | T-AB000 | Ear |
| SNM3 | T-41000 | Endo-arterial |
| SNM3 | T-32000 | Endo-cardiac |



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| | | |
|---|---|---|
| SNM3 | T-56000 | Endo-esophageal |
| SNM3 | T-21300 | Endo-nasal |
| SNM3 | T-23050 | Endo-nasopharyngeal |
| SNM3 | T-59600 | Endo-rectal |
| SNM3 | T-71000 | Endo-renal |
| SNM3 | T-73000 | Endo-ureteric |
| SNM3 | T-75000 | Endo-urethral |
| SNM3 | T-82000 | Endo-vaginal |
| SNM3 | T-40000 | Endo-vascular |
| SNM3 | T-48000 | Endo-venous |
| SNM3 | T-74250 | Endo-vesical |
| SNM3 | T-D4200 | Epigastric region |
| SNM3 | T-AA810 | Eyelid |
| SNM3 | T-D1200 | Face |
| SNM3 | T-D2310 | Flank |
| SNM3 | T-15200 | Fontanel of skull |
| SNM3 | T-D2600 | Gluteal region |
| SNM3 | T-D2500 | Hip |
| SNM3 | T-D4240 | Hypogastric region |
| SNM3 | T-D1212 | Hypoglossal |
| SNM3 | T-55300 | Hypopharynx |
| SNM3 | T-D4010 | Intra-abdominal |
| SNM3 | G-A15A | Intra-articular |
| SNM3 | T-D14000 | Intracranial |
| SNM3 | T-56000 | Intra-esophageal |
| SNM3 | T-D6221 | Intra-pelvic |
| SNM3 | T-D3000 | Intra-thoracic |
| SNM3 | T-D4211 | Left hypochondriac region |
| SNM3 | T-D7020 | Left inguinal region |
| SNM3 | T-D4140 | Left lower quadrant of abdomen |
| SNM3 | T-D2340 | Left lumbar region |
| SNM3 | T-D4130 | Left upper quadrant of abdomen |
| SNM3 | T-04003 | Lower inner quadrant of breast |
| SNM3 | T-04005 | Lower outer quadrant of breast |
| SNM3 | T-D2300 | Lumbar region |
| SNM3 | T-28000 | Lung |
| SNM3 | T-51000 | Mouth |
| SNM3 | T-21000 | Nose |
| SNM3 | T-D4450 | Omental bursa |
| SNM3 | T-D4600 | Omentum |
| SNM3 | T-87000 | Ovary |
| SNM3 | T-65010 | Pancreatic duct |



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| | | |
|---|---|---|
| SNM3 | T-D3136 | Parasternal |
| SNM3 | T-91000 | Penis |
| SNM3 | T-D2700 | Perineum |
| SNM3 | T-D9310 | Popliteal fossa |
| SNM3 | T-72000 | Renal pelvis |
| SNM3 | T-D4900 | Retroperitoneum |
| SNM3 | T-D4212 | Right hypochondriac region |
| SNM3 | T-D7010 | Right inguinal region |
| SNM3 | T-D4120 | Right lower quadrant of abdomen |
| SNM3 | T-D2342 | Right lumbar region |
| SNM3 | T-D4110 | Right upper quadrant of abdomen |
| SNM3 | T-D1160 | Scalp |
| SNM3 | T-AA110 | Sclera |
| SNM3 | T-98000 | Scrotum |
| SNM3 | T-A7010 | Spinal cord |
| SNM3 | T-D4210 | Subcostal |
| SNM3 | T-D1603 | Submandibular area |
| SNM3 | T-D3213 | Subxiphoid |
| SNM3 | T-D1620 | Supraclavicular region of neck |
| SNM3 | T-D4240 | Suprapubic region |
| SNM3 | T-11218 | Suprasternal notch |
| SNM3 | T-D9100 | Thigh |
| SNM3 | T-D3000 | Thorax |
| SNM3 | T-53000 | Tongue |
| SNM3 | T-D4230 | Umbilical region |
| SNM3 | T-04002 | Upper inner quadrant of breast |
| SNM3 | T-04004 | Upper outer quadrant of breast |
| SNM3 | T-82000 | Vagina |
| SNM3 | A-04140 | Vascular graft |
| SNM3 | T-32400 | Ventricle |
| SNM3 | T-81000 | Vulva |
| SNM3 | T-15460 | Wrist joint |

**CID 5 Transducer Approach**

**Context ID 5**

**Transducer Approach**

**Type: Extensible Version: 20061024**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A100 | Right |
| SNM3 | G-A101 | Left |



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| | | |
|---|---|---|
| SNM3 | G-A104 | Lateral |
| SNM3 | G-A105 | Anterior |
| SNM3 | G-A106 | Posterior |
| SNM3 | G-A108 | Caudal |
| SNM3 | G-A109 | Medial |
| SNM3 | G-A110 | Central |
| SNM3 | G-A111 | Peripheral |
| SNM3 | G-A112 | External |
| SNM3 | G-A113 | Internal |
| SNM3 | G-A115 | Inferior |
| SNM3 | G-A116 | Superior |
| SNM3 | G-A117 | Transverse |
| SNM3 | G-A118 | Proximal |
| SNM3 | G-A119 | Distal |
| SNM3 | G-A122 | Apical |
| SNM3 | G-A168 | Surface |
| SNM3 | G-A599 | Ascending |
| SNM3 | G-A600 | Descending |
| SNM3 | T-03000 | Subcutaneous tissue |
| SNM3 | T-A1120 | Dura mater |
| SNM3 | T-A1280 | Pia mater |
| SNM3 | A-2C600 | External prosthesis for sonographic procedure [Stand-off] |
| SNM3 | A-2C602 | Water bag prosthesis for imaging procedure |
| SNM3 | A-2C604 | Saline bag prosthesis for imaging procedure |
| SNM3 | A-2C606 | Gel prosthesis for imaging procedure |
| SNM3 | G-A107 | Cranial |
| SNM3 | G-A10A | Midline |
| SNM3 | G-A188 | Mid-longitudinal |
| SNM3 | G-A189 | Parasagittal |
| SNM3 | R-42142 | Intraluminal |
| SNM3 | G-A171 | Capsular |
| SNM3 | T-D0048 | Lumen |
| SNM3 | G-4022 | Contact with |
| SNM3 | T-D0062 | Parenchyma |

Note: In a prior version of this Context Group, the codes G-A11A, G-A11B, G-A12A, G-A16A, G-A16B, G-A16C, and G-A16D were specified for various concepts. The use of some of those codes conflicts with their assignment to other concepts in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.



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**CID 6 Transducer Orientation**

**Context ID 6**

**Transducer Orientation**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A138 | Coronal |
| SNM3 | G-A143 | Longitudinal |
| SNM3 | G-A145 | Sagittal |
| SNM3 | G-A189 | Parasagittal |
| SNM3 | G-A472 | Oblique |
| SNM3 | G-A185 | Long axis |
| SNM3 | G-A13B | Off axis |
| SNM3 | G-A186 | Short axis |
| SNM3 | G-A191 | Five chamber |
| SNM3 | G-A19B | Two chamber |
| SNM3 | G-A19C | Four chamber |
| SNM3 | G-A117 | Transverse |

Note: In a prior version of this table, the code G-A11B was specified for the concept Parasagittal. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

**CID 7 Ultrasound Beam Path**

**Context ID 7**

**Ultrasound Beam Path**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A1A9 | Trans-hepatic |
| SNM3 | G-A1B2 | Trans-gastric |
| SNM3 | G-A1A5 | Trans-pleural |
| SNM3 | G-A1B3 | Trans-mural |
| SNM3 | G-A1A8 | Trans-orbital |
| SNM3 | G-A1A6 | Trans-pancreatic |
| SNM3 | G-A1A4 | Trans-renal |
| SNM3 | G-D032 | Trans-temporal |
| SNM3 | G-A1A2 | Trans-thecal |
| SNM3 | G-A1A1 | Trans-vesical |
| SNM3 | G-A1A3 | Trans-splenic |



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| | | |
|---|---|---|
| SNM3 | G-D033 | Trans-esophageal |
| SNM3 | G-D001 | Trans-abdominal |
| SNM3 | G-D002 | Trans-vaginal (endovaginal) |

**CID 8 Angiographic Interventional Devices**

**Context ID 8**

**Angiographic Interventional Devices**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | A-25500 | Stent |
| SNM3 | A-26800 | Catheter |
| SNM3 | A-81080 | Laser |
| SNM3 | C-20005 | Glue |
| SNM3 | A-25600 | Atherectomy device |
| SNM3 | A-25614 | Embolization ball |
| SNM3 | A-26912 | Percutaneous transluminal angioplasty balloon |
| SNM3 | A-25612 | Embolization coil |
| SNM3 | A-25612 | Gianturco coil |
| SNM3 | A-27322 | Detachable balloon |
| SNM3 | A-26A06 | Fixed object |
| SNM3 | A-26A08 | Grid |
| SNM3 | A-26802 | Guiding catheter |
| SNM3 | A-25616 | Embolization particulate |
| SNM3 | A-25610 | Rotational atherectomy device |
| SNM3 | A-10141 | Measuring ruler |
| DCM | 122485 | Sphere |

**CID 9 Image Guided Therapeutic Procedures**

**Context ID 9**

**Image Guided Therapeutic Procedures**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | F-39780 | Vasoconstriction |
| SNM3 | F-39800 | Vasodilatation |
| SNM3 | P1-03100 | Biopsy |
| SNM3 | P1-03176 | Removal of foreign body |
| SNM3 | P1-05035 | Intra-arterial infusion of thrombolytic agent |



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|---|---|---|
| SNM3 | P1-05052 | Irrigation following insertion of catheter |
| SNM3 | P1-05535 | Catheterization |
| SNM3 | P1-30350 | Atherectomy |
| SNM3 | P1-30351 | Atherectomy by rotary cutter |
| SNM3 | P1-30352 | Atherectomy by laser |
| SNM3 | P1-30530 | Selective embolization of artery |
| SNM3 | P5-31500 | Percutaneous transluminal balloon angioplasty |
| SNM3 | P5-39010 | Transcatheter therapy for embolization |
| SNM3 | P5-39050 | Percutaneous retrieval of intravascular foreign body |
| SNM3 | P1-00018 | Failed attempted procedure |
| SNM3 | P1-05550 | Stent placement |
| SNM3 | P1-05536 | Catheter manipulation |
| SNM3 | P1-05537 | Catheter replacement |
| SNM3 | P1-05538 | Occlusion of catheter |
| SNM3 | P1-05539 | Removal of catheter |
| SNM3 | P5-39015 | Transcatheter deployment of detachable balloon |
| SNM3 | P5-39191 | Percutaneous insertion of intravascular filter |
| SNM3 | P1-86100 | Amniocentesis |
| SNM3 | P5-B8310 | Ultrasonic guidance for amniocentesis |
| SNM3 | P1-86520 | Amnioinfusion [injection of amnion] |
| SNM3 | P1-86180 | Intrauterine cordocentesis |
| SNM3 | P1-28160 | Thoracentesis |
| SNM3 | P1-86E70 | Breech Version [Obstetrical Version] |
| SRT | P1-86101 | Decompression amniocentesis [decompression of amnion] |
| SNM3 | P2-68060 | Intrauterine transfusion |
| SRT | P1-86C50 | Fetocide (selective reduction) |
| SRT | P1-93506 | Prostaglandin injection |

**CID 10 Interventional Drug**

**Context ID 10**

**Interventional Drug**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | C-21005 | Ethanol |
| SNM3 | C-22947 | Methylene blue |
| SNM3 | C-51000 | Antihistamine |
| SNM3 | C-67770 | Atropine |



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|---|---|---|
| SNM3 | C-72000 | Diuretic |
| SNM3 | C-80110 | Antiarrhythmic drug |
| SNM3 | C-80120 | Inotropic agent |
| SNM3 | C-80123 | Cardiotonic drug |
| SNM3 | C-80125 | Cardiac depressant drug |
| SNM3 | C-80130 | Cardiac adrenergic blocking agent |
| SNM3 | C-80131 | Alpha-adrenergic blocking agent |
| SNM3 | C-80135 | beta-Adrenergic blocking agent |
| SNM3 | C-80330 | Digoxin |
| SNM3 | C-80400 | Lidocaine |
| SNM3 | C-80401 | Lidocaine hydrochloride |
| SNM3 | C-80430 | Nifedipine |
| SNM3 | C-80450 | Propranolol |
| SNM3 | C-80460 | Quinidine |
| SNM3 | C-80490 | Verapamil |
| SNM3 | C-81100 | Hypotensive agent |
| SNM3 | C-81120 | Centrally acting hypotensive agent |
| SNM3 | C-81560 | Nitroglycerin |
| SNM3 | C-A2010 | Glucagon preparation |
| SNM3 | C-A6500 | Anticoagulant |
| SNM3 | C-A6530 | Warfarin |
| SNM3 | C-A6540 | Heparin |
| SNM3 | C-A6700 | Anti-heparin agent |
| SNM3 | C-A6710 | Protamine sulfate |
| SNM3 | C-A6900 | Coagulant |
| SNM3 | C-A6920 | Injectable fibrinogen |
| SNM3 | C-A7000 | Hemostatic agent |
| SNM3 | C-A7001 | Astringent drug |
| SNM3 | C-A7021 | Antihemophilic factor preparation |
| SNM3 | C-A7040 | Thrombin preparation |
| SNM3 | C-A7042 | Thromboplastin preparation |
| SNM3 | C-A7220 | Dextran |
| SNM3 | C-A7400 | Thrombolytic agent |
| SNM3 | C-A7420 | Streptokinase preparation |
| SNM3 | C-A7430 | Urokinase preparation |
| SNM3 | C-A7440 | Injectable fibrinolysin |
| SNM3 | C-C2318 | Priscoline hydrocholoride ampuls |
| SNM3 | F-B2110 | Epinephrine |



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**CID 11 Route of Administration**

**Context ID 11**

**Route of Administration**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-D101 | Intravenous route |
| SNM3 | G-D102 | Intra-arterial route |
| SNM3 | G-D103 | Intramuscular route |
| SNM3 | G-D104 | Subcutaneous route |
| SNM3 | G-D105 | Intracutaneous route |
| SNM3 | G-D106 | Intraperitoneal route |
| SNM3 | G-D107 | Intramedullary route |
| SNM3 | G-D108 | Intrathecal route |
| SNM3 | G-D109 | Intra-articular route |
| SNM3 | G-D111 | Intraepithelial route |
| SNM3 | G-D112 | Topical route |
| SNM3 | G-D140 | Oral route |
| SNM3 | G-D142 | Transluminal route |
| SNM3 | G-D144 | Intraluminal route |
| SNM3 | G-D146 | Extraluminal route |
| SNM3 | G-D150 | By inhalation |
| SNM3 | G-D160 | Per rectum |
| SNM3 | G-D164 | Vaginal route |

**CID 12 Radiographic Contrast Agent**

**Context ID 12**

**Radiographic Contrast Agent**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Trade Name (Informative) (From http://www.accessdata.fda.gov/scripts/cder/drugsatfda/index.cfm) |
|---|---|---|---|
| SNM3 | A-80230 | Air | |
| SNM3 | C-10110 | Oxygen | |
| SNM3 | C-10120 | Water | |
| SNM3 | C-10520 | Carbon dioxide | |
| SNM3 | C-12217 | Barium Sulfate | |
| SNM3 | C-17800 | Gadolinium | |
| SNM3 | C-B0300 | Contrast agent | |
| SNM3 | C-B0310 | Radiopaque medium | |



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|---|---|---|---|
| SNM3 | C-B0312 | Non radiopaque medium | |
| SNM3 | C-B0315 | Bunamiodyl | |
| SNM3 | C-B0316 | Chloriodized oil | |
| SNM3 | C-B0317 | Diatrizoate | Angiovist™ (Berlex), Cardiografin™ (Bracco), Cystografin™ (Bracco), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Reno-nn™ (Bracco), Renografin™ (Bracco), Renovist™ (Bracco), Sinografin™ (Bracco), Urovist™ (Berlex) |
| SNM3 | C-B0318 | Iodipamide | Cholographin™ (Bracco), Sinografin™ (Bracco) |
| SNM3 | C-B0319 | Iodized oil | |
| SNM3 | C-B0323 | Iodoalphionic acid | |
| SNM3 | C-B0324 | Meglumine iodipamide | Cholographin Meglumine™ (Bracco) |
| SNM3 | C-B0325 | Sodium iodipamide | Cholographin Sodium™ (Bracco) |
| SNM3 | C-B0326 | Iodamide meglumine | Renovue™ (Bracco) |
| SNM3 | C-B0327 | Iodopyracet | |
| SNM3 | C-B0328 | Iopanoic acid | Telepaque™ (GE) |
| SNM3 | C-B0331 | Iophendylate | Pantopaque™ (Alcon) |
| SNM3 | C-B0333 | Iophenoxic acid | |
| SNM3 | C-B0335 | Ipodate | Bilivist™ (Berlex), Oragrafin™ (Bracco) |
| SNM3 | C-B0337 | Propyliodone | Dionosil™ (GSK) |
| SNM3 | C-B0338 | Sodium acetrizoate | Salpix™ (Ortho) |
| SNM3 | C-B0341 | Iodophthalein | |
| SNM3 | C-B0342 | Sodium diprotrizoate | |
| SNM3 | C-B0344 | Sodium iodomethamate | |
| SNM3 | C-B0345 | Meglumine diatrizoate | Angiovist™ (Berlex), Cardiografin™ (Bracco), Cystografin™ (Bracco), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Reno-nn™ (Bracco), Renografin™ (Bracco), Renovist™ (Bracco), Sinografin™ (Bracco), Urovist™ (Berlex) |
| SNM3 | C-B0347 | Sodium diatrizoate | Angiovist™ (Berlex), Gastrografin™ (Bracco), Gastrovist™ (Berlex), Hypaque™ (GE), MD-nn™ (Mallinckrodt), Renografin™ (Bracco), Renovist™ (Bracco), Urovist™ (Berlex) |
| SNM3 | C-B0348 | Metrizamide | Amipaque™ (GE) |
| SNM3 | C-B0349 | Sodium tyropanate | |
| SNM3 | C-B0301 | Ionic iodinated contrast agent | |



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|---|---|---|---|
| SNM3 | C-B0302 | Non-ionic iodinated contrast agent | |
| SRT | C-B0322 | Iohexol | Omnipaque™(GE) |
| SRT | C-B03BC | Iodixanol | Visipaque™(GE) |
| SRT | C-B03C3 | Gadodiamide | Omniscan™(GE) |
| SRT | C-B05A3 | Mangafodipir trisodium | Teslascan™(GE) |
| SRT | C-B038B | Iothalamate | Conray™ (Mallinckrodt), Cysto-Conray™ (Mallinckrodt), Vascoray™ (Mallinckrodt) |
| SRT | C-B0339 | Ioxaglate | Hexbrix™ (Mallinckrodt) |
| SRT | C-B03C9 | Metrizoate | Isopaque™ (GE) |
| SRT | C-B03AA | Dimeglumine gadopentetate | Magnevist™ (Berlex) |
| SRT | C-B0329 | Iopamidol | Isovue™ (Bracco) |
| SRT | C-B0332 | Ioversol | Optiray™ (Mallinckrodt) |

Note: The codes drawn from SNOMED are recommended to be those from the concept hierarchy of "radiographic contrast media" in the hierarchy "pharmaceutical/biological product", and secondarily from the hierarchy "substance".

**CID 13 Radiographic Contrast Agent Ingredient**

**Context ID 13**

**Radiographic Contrast Agent Ingredient**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-11400 | Iodine |
| SRT | C-17800 | Gadolinium |
| SRT | C-10520 | Carbon Dioxide |
| SRT | C-12200 | Barium |
| SRT | C-17200 | Xenon |
| SRT | A-80230 | Air |
| SRT | C-10110 | Oxygen |
| SRT | C-10120 | Water |
| SRT | C-130F9 | Iron |

**CID 18 Isotopes in Radiopharmaceuticals**

**Context ID 18**

**Isotopes in Radiopharmaceuticals**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | C-111A1 | ^18^Fluorine |



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|---|---|---|
| SNM3 | C-114A4 | ^123^Iodine |
| SNM3 | C-114A6 | ^125^Iodine |
| SNM3 | C-114B1 | ^131^Iodine |
| SNM3 | C-122A5 | ^133^Barium |
| SNM3 | C-131A2 | ^67^Gallium |
| SNM3 | C-138A9 | ^201^Thallium |
| SNM3 | C-144A3 | ^57^Cobalt |
| SNM3 | C-145A4 | ^111^Indium |
| SNM3 | C-163A8 | ^99m^Technetium |
| SNM3 | C-172A8 | ^133^Xenon |
| SNM3 | C-173A7 | ^85^Krypton |
| SNM3 | C-178A8 | ^153^Gadolinium |

**CID 19 Patient Orientation**

**Context ID 19**

**Patient Orientation**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | F-10440 | erect |
| SNM3 | F-10450 | recumbent |
| SNM3 | F-10460 | semi-erect |

**CID 20 Patient Orientation Modifier**

**Context ID 20**

**Patient Orientation Modifier**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | F-10310 | prone |
| SNM3 | F-10316 | semi-prone |
| SNM3 | F-10318 | lateral decubitus |
| SNM3 | F-10320 | standing |
| SNM3 | F-10326 | anatomical |
| SNM3 | F-10330 | kneeling |
| SNM3 | F-10336 | knee-chest |
| SNM3 | F-10340 | supine |
| SNM3 | F-10346 | lithotomy |
| SNM3 | F-10348 | Trendelenburg |



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|---|---|---|
| SNM3 | F-10349 | inverse Trendelenburg |
| SNM3 | F-10380 | frog |
| SNM3 | F-10390 | stooped-over |
| SNM3 | F-103A0 | sitting |
| SNM3 | F-10410 | curled-up |
| SNM3 | F-10317 | right lateral decubitus |
| SNM3 | F-10319 | left lateral decubitus |

**CID 21 Patient Gantry Relationship**

**Context ID 21**

**Patient Gantry Relationship**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | R-10516 | oblique |
| SNM3 | F-10470 | headfirst |
| SNM3 | F-10480 | feet-first |
| SNM3 | R-10515 | transverse |

Notes: 1. The use of this Context Group in the Patient Orientation Modifier Code Sequence (0054,0412) of the NM Image IOD and the PET Image IOD (see PS3.3) requires a Coding Scheme Designator value of "99SDM".

2. In a prior version of this Context Group, the codes G-5190 and G-5191 were specified for the concepts "headfirst" and "feet-first". The use of these codes is deprecated as they are not actually in SNOMED. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

**CID 23 Cranio-caudad Angulation**

**Context ID 23**

**Cranio-caudad Angulation**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A107 | Cephalic |
| SNM3 | G-A108 | Caudal |



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**CID 25 Radiopharmaceuticals**

**Context ID 25**

**Radiopharmaceuticals**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | C-B1302 | Carbon^14^ D-xylose |
| SNM3 | C-B1300 | Carbon^14^ triolein |
| SNM3 | C-B1304 | Cholyl-carbon^14^ glycine |
| SNM3 | C-B1140 | Chromic phosphate P^32^ |
| SNM3 | C-B1012 | Chromium^51^ albumin |
| SNM3 | C-B1013 | Chromium^51^ chloride |
| SNM3 | C-B1051 | Colloidal gold Au^198^ |
| SNM3 | C-B1063 | Colloidal Indium^111^ |
| SNM3 | C-B1017 | Copper^64^ acetate |
| SNM3 | C-B1016 | Copper^64^ versenate |
| SNM3 | C-B1018 | Copper^67^ ceruloplasmin |
| SNM3 | C-B1021 | Cyanocobalamin Co^57^ |
| SNM3 | C-B1022 | Cyanocobalamin Co^58^ |
| SNM3 | C-B1023 | Cyanocobalamin Co^60^ |
| SNM3 | C-B1000 | Diagnostic radioisotope |
| SNM3 | C-B1092 | Diiodofluorecein I^131^ |
| SNM3 | C-B1062 | Disodium indium^111^ |
| SNM3 | C-B1122 | Ferrous chloride Fe^59^ |
| SNM3 | C-B1121 | Ferrous citrate Fe^59^ |
| SNM3 | C-B1123 | Ferrous sulfate Fe^59^ |
| SNM3 | C-B1082 | Fibrinogen I^123^ |
| SNM3 | C-B1031 | Fluorodeoxyglucose F^18^ |
| SNM3 | C-B1041 | Gallium^67^ citrate |
| SNM3 | C-B1061 | Indium^111^ pentetate |
| SNM3 | C-B1066 | Indium^111^ red cell label |
| SNM3 | C-B1067 | Indium^111^ transferrin |
| SNM3 | C-B1065 | Indium^111^-Fe(OH)>3< |
| SNM3 | C-B1068 | Indium^113^ bleomycin |
| SNM3 | C-B1069 | Indium^113^ chloride |
| SNM3 | C-B1072 | Indium^113^ oxoquinoline platelet label |
| SNM3 | C-B1073 | Indium^113^ oxoquinoline RBC label |
| SNM3 | C-B1071 | Indium^113^ oxoquinoline WBC label |
| SNM3 | C-B1070 | Indium^113^ pentetate |
| SNM3 | C-B1084 | Iodinated I^125^ albumin |
| SNM3 | C-B1100 | Iodinated I^125^ human serum albumin |



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|---|---|---|
| SNM3 | C-B1094 | Iodinated I^125^ levothyroxine |
| SNM3 | C-B1093 | Iodinated I^125^ oleic acid and triolein |
| SNM3 | C-B1096 | Iodinated I^125^ povidone |
| SNM3 | C-B1097 | Iodinated I^125^ Rose Bengal |
| SNM3 | C-B1098 | Iodinated I^125^ sealed source |
| SNM3 | C-B1099 | Iodinated I^125^ sodium iodine |
| SNM3 | C-B1090 | Iodinated I^131^ aggregated albumin |
| SNM3 | C-B1089 | Iodinated I^131^ albumin |
| SNM3 | C-B1111 | Iodinated I^131^ gamma globulin |
| SNM3 | C-B1109 | Iodine^131^ polyvinylpyrrolidone |
| SNM3 | C-B1087 | Iodocholesterol I^131^ |
| SNM3 | C-B1095 | Iodohippurate I^123^ sodium |
| SNM3 | C-B1105 | Iodohippurate I^125^ sodium |
| SNM3 | C-B1091 | Iodohippurate I^131^ sodium |
| SNM3 | C-B1108 | Iofetamine I^123^ hydrochloride |
| SNM3 | C-B1088 | Iothalamate sodium I^125^ |
| SNM3 | C-B1124 | Iron Fe^59^ labeled dextran |
| SNM3 | C-B1083 | Oleic acid I^125^ |
| SNM3 | C-B1251 | Pentetate calcium trisodium Yb^169^ |
| SNM3 | C-B1151 | Potassium carbonate K^42^ |
| SNM3 | C-B1152 | Potassium chloride K^42^ |
| SNM3 | C-B1150 | Potassium chloride K^43^ |
| SNM3 | C-B1085 | Rose Bengal sodium I^131^ |
| SNM3 | C-B1172 | Selenium^75^ HCAT |
| SNM3 | C-B1171 | Selenomethionione Se^75^ |
| SNM3 | C-B1176 | Sodium chloride Na^22^ |
| SNM3 | C-B1175 | Sodium chloride Na^24^ |
| SNM3 | C-B1011 | Sodium chromate Cr^51^ |
| SNM3 | C-B1032 | Sodium fluoride F^18^ |
| SNM3 | C-B1081 | Sodium iodide I^123^ |
| SNM3 | C-B1086 | Sodium iodide I^131^ |
| SNM3 | C-B1206 | Sodium pertechnetate Tc^99m^ |
| SNM3 | C-B1142 | Sodium phosphate P^32^ |
| SNM3 | C-B1180 | Strontium chloride Sr^85^ |
| SNM3 | C-B1181 | Strontium chloride Sr^87^ |
| SNM3 | C-B1182 | Strontium nitrate Sr^85^ |
| SNM3 | C-B1183 | Strontium nitrate Sr^87^ |
| SNM3 | C-B1225 | Technetium Tc^99^ N-substituted iminodiacetate |
| SNM3 | C-B1224 | Technetium Tc^99^ tagged red cells |
| SNM3 | C-B1205 | Technetium Tc^99c^ albumin microspheres |
| SNM3 | C-B1207 | Technetium Tc^99c^ disofenin |



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|---|---|---|
| SNM3 | C-B1223 | Technetium Tc^99c^ exametazine |
| SNM3 | C-B1210 | Technetium Tc^99c^ iron ascorbate |
| SNM3 | C-B1209 | Technetium Tc^99c^ lidofenin |
| SNM3 | C-B1208 | Technetium Tc^99c^ mebrofenin |
| SNM3 | C-B1212 | Technetium Tc^99c^ medronate |
| SNM3 | C-B1213 | Technetium Tc^99c^ oxidronate |
| SNM3 | C-B1214 | Technetium Tc^99c^ pentetate |
| SNM3 | C-B1215 | Technetium Tc^99c^ pyro and polyphosphates |
| SNM3 | C-B1216 | Technetium Tc^99c^ serum albumin |
| SNM3 | C-B1220 | Technetium Tc^99c^ sodium glucoheptonate |
| SNM3 | C-B1211 | Technetium Tc^99c^ stannous etidronate |
| SNM3 | C-B1221 | Technetium Tc^99c^ succimer |
| SNM3 | C-B1222 | Technetium Tc^99c^ sulfur colloid |
| SNM3 | C-B1200 | Technetium Tc^99m^ aggregated albumin |
| SNM3 | C-B1204 | Technetium Tc^99m^ albumin colloid |
| SNM3 | C-B1203 | Technetium Tc^99m^ microaggregated albumin |
| SNM3 | C-B1231 | Thallous chloride Tl^201^ |
| SNM3 | C-B1010 | Therapeutic radioisotope |
| SNM3 | C-B1251 | Yb^169^-DTPA - pentetate |

**CID 26 Nuclear Medicine Projections**

**Context ID 26**

**Nuclear Medicine Projections**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A138 | Coronal |
| SNM3 | G-A145 | Sagittal |
| SNM3 | G-A147 | Axial |
| SNM3 | G-5206 | Right anterior oblique |
| SNM3 | G-5207 | Left anterior oblique |
| SNM3 | G-5208 | Right posterior oblique |
| SNM3 | G-5209 | Left posterior oblique |
| SNM3 | G-5210 | Oblique axial |
| SNM3 | G-5212 | Sagittal-oblique axial |
| SNM3 | G-5220 | Medial-lateral |
| SNM3 | G-5221 | Lateral-medial |
| SNM3 | G-5222 | Right lateral projection |
| SNM3 | G-5223 | Left lateral projection |



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| | | |
|---|---|---|
| SNM3 | G-5224 | Medio-lateral oblique |
| SNM3 | G-5225 | Latero-medial oblique |
| SNM3 | G-A117 | Transverse |
| SNM3 | G-A104 | Lateral |
| SNM3 | G-A186 | Short Axis |
| SNM3 | G-A18A | Vertical Long Axis |
| SNM3 | G-A18B | Horizontal Long Axis |
| SNM3 | G-5215 | Anterior projection |
| SNM3 | G-5216 | Posterior projection |

Notes: 1. In a prior version of this table, the code G-A117 was specified for the concept Transaxial, and R-11300 was specified for the concept Transverse. Since these concepts are synonymous in nuclear projections, and since SNOMED assigns G-A117 to the concept Transverse, the use of R-11300 is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

2. The following Code Values were formerly included in CID 26 and are retired:

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *SNM3* | *G-5200* | *Antero-posterior* |
| *SNM3* | *G-5201* | *Postero-anterior* |
| *SNM3* | *G-5203* | *Frontal oblique* |
| *SNM3* | *G-5204* | *Antero-posterior Oblique* |
| *SNM3* | *G-5205* | *Postero-anterior Oblique* |
| *SNM3* | *G-5211* | *Frontal-oblique axial* |
| *SNM3* | *G-5213* | *Submento-vertex axial* |
| *SNM3* | *G-5214* | *Oblique submento-vertex* |
| *SNM3* | *G-5226* | *Right to left oblique* |
| *SNM3* | *G-5227* | *Left to right oblique* |

**CID 29 Acquisition Modality**

This Context Group includes codes that may be used to identify an image or waveform acquisition modality, as used in Attribute Modality (0008,0060) of a Composite SOP Instance Series Module (see PS3.3). It generally corresponds to a class of diagnostic equipment, or to a specific acquisition function or technique in a device.

**Context ID 29**
**Acquisition Modality**
**Type: Extensible Version: 20061023**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | EPS | Cardiac Electrophysiology |
| DCM | CR | Computed Radiography |



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| | | |
|---|---|---|
| DCM | CT | Computed Tomography |
| DCM | DX | Digital Radiography |
| DCM | ECG | Electrocardiography |
| DCM | ES | Endoscopy |
| DCM | XC | External-camera Photography |
| DCM | GM | General Microscopy |
| DCM | HD | Hemodynamic Waveform |
| DCM | IO | Intra-oral Radiography |
| DCM | IVUS | Intravascular Ultrasound |
| DCM | MR | Magnetic Resonance |
| DCM | MG | Mammography |
| DCM | NM | Nuclear Medicine |
| DCM | OCT | Optical Coherence Tomography |
| DCM | OPM | Ophthalmic Mapping |
| DCM | OP | Ophthalmic Photography |
| DCM | OPR | Ophthalmic Refraction |
| DCM | OPV | Ophthalmic Visual Field |
| DCM | PX | Panoramic X-Ray |
| DCM | PT | Positron emission tomography |
| DCM | RF | Radiofluoroscopy |
| DCM | RG | Radiographic imaging |
| DCM | RTIMAGE | Radiotherapy Image |
| DCM | REG | Registration |
| DCM | SEG | Segmentation |
| DCM | SM | Slide Microscopy |
| DCM | US | Ultrasound |
| DCM | XA | X-Ray Angiography |

**CID 30 DICOM Devices**

This Context Group includes codes that may be used to identify a class of equipment that uses DICOM.



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**Context ID 30**
**DICOM Devices**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| INCLUDE CID 29 Acquisition Modality | | |
| DCM | ARCHIVE | Archive |
| DCM | COMP | Computation Server |
| DCM | CAD | Computer Assisted Detection/Diagnosis |
| DCM | DSS | Department System Scheduler |
| DCM | FILMD | Film Digitizer |
| DCM | MCD | Media Creation Device |
| DCM | PRINT | Hard Copy Print Server |
| DCM | CAPTURE | Image Capture |
| DCM | LOG | Procedure Logging |
| DCM | RT | Radiation Therapy Device |
| DCM | WSD | Workstation |

**CID 31 Abstract Priors**

This Context Group includes codes that may be used to identify imaging procedures that may be referred to as priors for the purpose of image set selection in Hanging Protocols.

**Context ID 31**
**Abstract Priors**
**Type: Extensible Version: 20060126**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-7292 | On admission |
| SRT | R-400B2 | Intraoperative |
| SRT | R-41FD9 | Pre-admission |
| SRT | R-411C0 | Pre-dose |
| SRT | R-404DA | Post-dose |
| SRT | R-413C5 | Pre-operative |
| SRT | R-413B7 | Post-operative |
| DCM | 109120 | On admission to unit |
| DCM | 109121 | On discharge |
| DCM | 109122 | On discharge from unit |
| DCM | 109123 | Pre-intervention |
| DCM | 109124 | Post-intervention |
| DCM | 109125 | At last appointment |



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**CID 42 Numeric Value Qualifier**

**CID 42**
**Numeric Value Qualifier**

**Type: Extensible Version: 20020114**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 114000 | Not a number |
| DCM | 114001 | Negative Infinity |
| DCM | 114002 | Positive Infinity |
| DCM | 114003 | Divide by zero |
| DCM | 114004 | Underflow |
| DCM | 114005 | Overflow |
| DCM | 114006 | Measurement failure |
| DCM | 114007 | Measurement not attempted |
| DCM | 114008 | Calculation failure |
| DCM | 114009 | Value out of range |
| DCM | 114010 | Value unknown |
| DCM | 114011 | Value indeterminate |

**CID 82 Units of Measurement**

**Context ID 82 – Units of Measurement**

Not defined as a table of codes per se, but rather constructed from UCUM. See section 7.2.2.

**CID 83 Units for Real World Value Mapping**

**CID 83**
**Units for Real World Value Mapping**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| UCUM | [hnsf'U] | Hounsfield unit |
| UCUM | {counts} | Counts |
| UCUM | {counts}/s | Counts per second |
| UCUM | {SUVbw}g/ml | Standardized Uptake Value body weight |
| UCUM | {SUVlbm}g/ml | Standardized Uptake Value lean body mass |
| UCUM | {SUVbsa}cm2/ml | Standardized Uptake Value body surface area |

**CID 220 Level of Significance**

**Level of Significance**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00333 | Most significant |
| SRT | R-0030C | Highly significant |
| SRT | R-10045 | Significant |
| SRT | R-00345 | Not significant |
| SRT | R-10046 | Significance Undetermined |

**CID 221 Measurement Range Concepts**

**Context ID 221**
**Measurement Range Concepts**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| INCLUDE CID 226 Population Statistical Descriptors | | |
| INCLUDE CID 227 Sample Statistical Descriptors | | |

**CID 222 Normality Codes**

**Context ID 222**
**Normality Codes**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A460 | Normal |
| SRT | R-42037 | Abnormal |
| SRT | R-002C4 | Abnormally High |
| SRT | R-002C5 | Abnormally Low |
| SRT | G-A385 | Normality Undetermined |

**CID 223 Normal Range Values**

**Context ID 223**
**Normal Range Values**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-0038B | Normal Range Upper Limit |
| SRT | R-10041 | Normal Range Lower Limit |



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**CID 224 Selection Method**

**Context ID 224**
**Selection Method**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121410 | User chosen value |
| DCM | 121411 | Most recent value chosen |
| DCM | 121412 | Mean value chosen |

**CID 225 Measurement Uncertainty Concepts**

**Context ID 225**
**Measurement Uncertainty Concepts**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00363 | +/- , range of measurement uncertainty |
| SRT | R-00364 | + , range of upper measurement uncertainty |
| SRT | R-00362 | - , range of lower measurement uncertainty |

**CID 226 Population Statistical Descriptors**

**Context ID 226**
**Population Statistical Descriptors**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00337 | 95th Percentile Value of population |
| SRT | R-00338 | 90th Percentile Value of population |
| SRT | R-00346 | 1 Sigma Upper Value of population |
| SRT | R-00387 | 2 Sigma Upper Value of population |
| SRT | R-00317 | Mean Value of population |
| SRT | R-00319 | Median Value of population |
| SRT | R-00377 | 10th Percentile Value of population |
| SRT | R-00397 | 5th Percentile Value of population |
| SRT | R-00347 | 1 Sigma Lower Value of population |
| SRT | R-00388 | 2 Sigma Lower Value of population |
| DCM | 121414 | Standard deviation of population |
| DCM | 121417 | 2 Sigma deviation of population |



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**CID 227** **Sample Statistical Descriptors**

**Context ID 227**
**Sample Statistical Descriptors**
**Type: Extensible** **Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121415 | Percentile Ranking of measurement |
| DCM | 121416 | Z-Score of measurement |

**CID 228** **Equation or Table**

**Context ID 228**
**Equation or Table**
**Type: Extensible** **Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121420 | Equation |
| DCM | 121421 | Equation Citation |
| DCM | 121424 | Table of Values |
| DCM | 121422 | Table of Values Citation |
| DCM | 121423 | Method Citation |

**CID 230** **Yes-No**

**Context ID 230**
**Yes-No**
**Type: Non-extensible** **Version: 20060613**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-0038D | Yes |
| SRT | R-00339 | No |
| SRT | R-0038A | Undetermined |

**CID 240** **Present-Absent**

**Context ID 240**
**Present-Absent**
**Type: Non-extensible** **Version: 20050110**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A203 | Present |
| SRT | R-4089B | Absent |



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|---|---|---|
| SRT | R-40271 | Presence Undetermined |

**CID 242 Normal-Abnormal**

This Context Group is a subset of CID 222 Normality Codes.

**Context ID 242**
**Normal-Abnormal**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A460 | Normal |
| SRT | R-42037 | Abnormal |
| SRT | G-A385 | Normality Undetermined |

**CID 244 Laterality**

**Context ID 244**
**Laterality**
**Type: Non-Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A100 | Right |
| SRT | G-A101 | Left |
| SRT | G-A102 | Right and left |
| SRT | G-A103 | Unilateral |

**CID 250 Positive-Negative**

**Context ID 250**

**Positive-Negative**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A200 | Positive |
| SRT | R-40759 | Negative |



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**CID 251 Severity of Complication**

**Context ID 251**
**Severity of Complication**
**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-404F9 | Major |
| SRT | R-404FC | Minor |

**CID 270 Observer Type**

**Context ID 270**
**Observer Type**
**Type: Non-Extensible Version: 20040920**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121006 | Person |
| DCM | 121007 | Device |

**CID 271 Observation Subject Class**

**Context ID 271**
**Observation Subject Class**
**Type: Non-Extensible Version: 20040920**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121025 | Patient |
| DCM | 121026 | Fetus |
| DCM | 121027 | Specimen |

**CID 3000 Audio Channel Source**

**Context ID 3000**
**Audio Channel Source**
**Type: Extensible Version: 20040326**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 109110 | Voice |
| DCM | 109111 | Operator’s narrative |
| DCM | 109112 | Ambient room environment |
| DCM | 109113 | Doppler audio |
| DCM | 109114 | Phonocardiogram |



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|---|---|---|
| DCM | 109115 | Physiological audio signal |

**CID 3001 ECG Leads**

**Context ID 3001**
**ECG Leads**

**Type: Extensible Version: 20020904**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.6.3-9-73 | Defibrillator lead: anterior-lateral |
| SCPECG | 1.3 | 5.6.3-9-74 | External pacing lead: anterior-posterior |
| SCPECG | 1.3 | 5.6.3-9-27 | Lead A |
| SCPECG | 1.3 | 5.6.3-9-71 | Lead A (Nehb – Anterior) |
| SCPECG | 1.3 | 5.6.3-9-75 | Lead A1 (Auxiliary unipolar lead 1) |
| SCPECG | 1.3 | 5.6.3-9-76 | Lead A2 (Auxiliary unipolar lead 2) |
| SCPECG | 1.3 | 5.6.3-9-77 | Lead A3 (Auxiliary unipolar lead 3) |
| SCPECG | 1.3 | 5.6.3-9-78 | Lead A4 (Auxiliary unipolar lead 4) |
| SCPECG | 1.3 | 5.6.3-9-57 | Lead A-cal |
| SCPECG | 1.3 | 5.6.3-9-84 | Lead A-cal (cal for Nehb – Anterior) |
| SCPECG | 1.3 | 5.6.3-9-64 | Lead aVF |
| SCPECG | 1.3 | 5.6.3-9-63 | Lead aVL |
| SCPECG | 1.3 | 5.6.3-9-62 | Lead aVR |
| SCPECG | 1.3 | 5.6.3-9-65 | Lead -aVR |
| SCPECG | 1.3 | 5.6.3-9-26 | Lead C |
| SCPECG | 1.3 | 5.6.3-9-19 | Lead CC5 |
| SCPECG | 1.3 | 5.6.3-9-49 | Lead CC5-cal |
| SCPECG | 1.3 | 5.6.3-9-56 | Lead C-cal |
| SCPECG | 1.3 | 5.6.3-9-20 | Lead CM5 |
| SCPECG | 1.3 | 5.6.3-9-50 | Lead CM5-cal |
| SCPECG | 1.3 | 5.6.3-9-70 | Lead D (Nehb – Dorsal) |
| SCPECG | 1.3 | 5.6.3-9-83 | Lead D-cal (cal for Nehb – Dorsal) |
| SCPECG | 1.3 | 5.6.3-9-25 | Lead E |
| SCPECG | 1.3 | 5.6.3-9-55 | Lead E-cal |
| SCPECG | 1.3 | 5.6.3-9-29 | Lead F |
| SCPECG | 1.3 | 5.6.3-9-59 | Lead F-cal |
| SCPECG | 1.3 | 5.6.3-9-30 | Lead H |
| SCPECG | 1.3 | 5.6.3-9-60 | Lead H-cal |
| SCPECG | 1.3 | 5.6.3-9-1 | Lead I (Einthoven) |
| SCPECG | 1.3 | 5.6.3-9-24 | Lead I (Frank) |
| SCPECG | 1.3 | 5.6.3-9-31 | Lead I-cal (Einthoven) |
| SCPECG | 1.3 | 5.6.3-9-54 | Lead I-cal (Frank) |



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|---|---|---|---|
| SCPECG | 1.3 | 5.6.3-9-2 | Lead II |
| SCPECG | 1.3 | 5.6.3-9-32 | Lead II-cal |
| SCPECG | 1.3 | 5.6.3-9-61 | Lead III |
| SCPECG | 1.3 | 5.6.3-9-72 | Lead J (Nehb – Inferior) |
| SCPECG | 1.3 | 5.6.3-9-85 | Lead J-cal (cal for Nehb – Inferior) |
| SCPECG | 1.3 | 5.6.3-9-21 | Lead Left Arm |
| SCPECG | 1.3 | 5.6.3-9-51 | Lead Left Arm-cal |
| SCPECG | 1.3 | 5.6.3-9-23 | Lead Left Leg |
| SCPECG | 1.3 | 5.6.3-9-53 | Lead Left Leg-cal |
| SCPECG | 1.3 | 5.6.3-9-28 | Lead M |
| SCPECG | 1.3 | 5.6.3-9-58 | Lead M-cal |
| SCPECG | 1.3 | 5.6.3-9-22 | Lead Right Arm |
| SCPECG | 1.3 | 5.6.3-9-52 | Lead Right Arm-cal |
| SCPECG | 1.3 | 5.6.3-9-3 | Lead V1 |
| SCPECG | 1.3 | 5.6.3-9-33 | Lead V1-cal |
| SCPECG | 1.3 | 5.6.3-9-4 | Lead V2 |
| SCPECG | 1.3 | 5.6.3-9-34 | Lead V2-cal |
| SCPECG | 1.3 | 5.6.3-9-10 | Lead V2R |
| SCPECG | 1.3 | 5.6.3-9-40 | Lead V2R-cal |
| SCPECG | 1.3 | 5.6.3-9-5 | Lead V3 |
| SCPECG | 1.3 | 5.6.3-9-35 | Lead V3-cal |
| SCPECG | 1.3 | 5.6.3-9-11 | Lead V3R |
| SCPECG | 1.3 | 5.6.3-9-41 | Lead V3R-cal |
| SCPECG | 1.3 | 5.6.3-9-6 | Lead V4 |
| SCPECG | 1.3 | 5.6.3-9-36 | Lead V4-cal |
| SCPECG | 1.3 | 5.6.3-9-12 | Lead V4R |
| SCPECG | 1.3 | 5.6.3-9-42 | Lead V4R-cal |
| SCPECG | 1.3 | 5.6.3-9-7 | Lead V5 |
| SCPECG | 1.3 | 5.6.3-9-37 | Lead V5-cal |
| SCPECG | 1.3 | 5.6.3-9-13 | Lead V5R |
| SCPECG | 1.3 | 5.6.3-9-43 | Lead V5R-cal |
| SCPECG | 1.3 | 5.6.3-9-8 | Lead V6 |
| SCPECG | 1.3 | 5.6.3-9-38 | Lead V6-cal |
| SCPECG | 1.3 | 5.6.3-9-14 | Lead V6R |
| SCPECG | 1.3 | 5.6.3-9-44 | Lead V6R-cal |
| SCPECG | 1.3 | 5.6.3-9-9 | Lead V7 |
| SCPECG | 1.3 | 5.6.3-9-39 | Lead V7-cal |
| SCPECG | 1.3 | 5.6.3-9-15 | Lead V7R |
| SCPECG | 1.3 | 5.6.3-9-45 | Lead V7R-cal |
| SCPECG | 1.3 | 5.6.3-9-66 | Lead V8 |



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|---|---|---|---|
| SCPECG | 1.3 | 5.6.3-9-79 | Lead V8-cal |
| SCPECG | 1.3 | 5.6.3-9-68 | Lead V8R |
| SCPECG | 1.3 | 5.6.3-9-81 | Lead V8R-cal |
| SCPECG | 1.3 | 5.6.3-9-67 | Lead V9 |
| SCPECG | 1.3 | 5.6.3-9-80 | Lead V9-cal |
| SCPECG | 1.3 | 5.6.3-9-69 | Lead V9R |
| SCPECG | 1.3 | 5.6.3-9-82 | Lead V9R-cal |
| SCPECG | 1.3 | 5.6.3-9-16 | Lead X |
| SCPECG | 1.3 | 5.6.3-9-46 | Lead X-cal |
| SCPECG | 1.3 | 5.6.3-9-17 | Lead Y |
| SCPECG | 1.3 | 5.6.3-9-47 | Lead Y-cal |
| SCPECG | 1.3 | 5.6.3-9-18 | Lead Z |
| SCPECG | 1.3 | 5.6.3-9-48 | Lead Z-cal |
| SCPECG | 1.3 | 5.6.3-9-0 | Unspecified lead |

**CID 3003 Hemodynamic Waveform Sources**

**Context ID 3003**
**Hemodynamic Waveform Sources**

**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | G-DB22 | Aortic pressure waveform |
| SRT | G-DB31 | Aortic valve pullback pressure waveform |
| SRT | G-DB24 | Arterial pressure waveform |
| SRT | G-DB23 | Central venous pressure waveform |
| SRT | G-DB33 | Dye dilution cardiac output waveform |
| SRT | G-DB20 | Femoral artery pressure waveform |
| SRT | G-DB12 | Hemodynamic flow waveform |
| SRT | G-DB34 | Hemodynamic impedance waveform |
| SRT | G-DB13 | Hemodynamic oxygen saturation waveform |
| SRT | G-DB11 | Hemodynamic pressure waveform |
| SRT | G-DB10 | Hemodynamic waveform |
| SRT | G-DB19 | Left atrium pressure waveform |
| SRT | G-DB16 | Left ventricle pressure waveform |
| SRT | G-DB28 | Mitral valve pullback pressure waveform |
| SRT | G-DB25 | Pulmonary artery oxygen saturation waveform |
| SRT | G-DB21 | Pulmonary artery pressure waveform |
| SRT | G-DB27 | Pulmonary artery wedge pressure waveform |
| SRT | G-DB26 | Pulmonary capillary wedge pressure waveform |
| SRT | G-DB30 | Pulmonary valve pullback pressure waveform |
| SRT | G-DB14 | Respiration impedance waveform |



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|---|---|---|
| SRT | G-DB18 | Right atrium pressure waveform |
| SRT | G-DB17 | Right ventricle pressure waveform |
| SRT | G-DB15 | Temperature waveform |
| SRT | G-DB32 | Thermal cardiac output waveform |
| SRT | G-DB29 | Tricuspid valve pullback pressure waveform |

**CID 3010 Cardiovascular Anatomic Locations**

**Context ID 3010**
**Cardiovascular Anatomic Locations**
**Type: Extensible Version: 20061024**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SNM3 | T-42500 | Abdominal aorta |
| SRT | T-48503 | Anomalous pulmonary vein |
| SRT | T-49215 | Antecubital vein |
| SNM3 | T-48440 | Anterior cardiac vein |
| SNM3 | T-45530 | Anterior communicating artery |
| SNM3 | T-45730 | Anterior spinal artery |
| SNM3 | T-47700 | Anterior tibial artery |
| SNM3 | T-42000 | Aorta |
| SNM3 | T-42300 | Aortic arch |
| SRT | D3-81922 | Aortic fistula |
| SRT | T-32602 | Apex of left ventricle |
| SRT | T-32502 | Apex of right ventricle |
| SNM3 | T-41000 | Artery |
| SNM3 | T-42100 | Ascending aorta |
| SNM3 | T-47100 | Axillary Artery |
| SNM3 | T-49110 | Axillary vein |
| SNM3 | T-48340 | Azygos vein |
| SRT | A-00203 | Baffle |
| SNM3 | T-45800 | Basilar artery |
| SNM3 | T-D00AB | Body conduit |
| SRT | T-49424 | Boyd’s perforating vein |
| SNM3 | T-47160 | Brachial artery |
| SNM3 | T-49350 | Brachial vein |
| SNM3 | T-45010 | Carotid Artery |
| SNM3 | T-49240 | Cephalic vein |
| SNM3 | T-45510 | Cerebral artery |
| SNM3 | D4-31320 | Common atrium |
| SNM3 | T-45100 | Common carotid artery |
| SNM3 | T-46710 | Common iliac artery |



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|---|---|---|
| SNM3 | T-48920 | Common iliac vein |
| SNM3 | D4-31120 | Common ventricle |
| SRT | D4-32504 | Congenital coronary artery fistula to left atrium |
| SRT | D4-32506 | Congenital coronary artery fistula to left ventricle |
| SRT | D4-32509 | Congenital coronary artery fistula to right atrium |
| SRT | D4-32510 | Congenital coronary artery fistula to right ventricle |
| SNM3 | D3-40208 | Congenital pulmonary arteriovenous fistula |
| SNM3 | T-43000 | Coronary artery |
| SNM3 | T-48410 | Coronary sinus |
| SNM3 | T-42400 | Descending aorta |
| SRT | T-49429 | Dodd’s perforating vein |
| SNM3 | T-45200 | External carotid artery |
| SNM3 | T-46910 | External iliac artery |
| SNM3 | T-48930 | External iliac vein |
| SNM3 | T-45240 | Facial artery |
| SNM3 | T-47400 | Femoral artery |
| SNM3 | T-49410 | Femoral vein |
| SNM3 | T-48820 | Gastric vein |
| SRT | T-47490 | Genicular artery |
| SNM3 | T-48420 | Great cardiac vein |
| SNM3 | T-46420 | Hepatic artery |
| SNM3 | T-48720 | Hepatic vein |
| SRT | T-4942A | Hunterian perforating vein |
| SNM3 | T-46700 | Iliac artery |
| SNM3 | T-48470 | Inferior cardiac vein |
| SNM3 | T-48540 | Inferior left pulmonary vein |
| SNM3 | T-46520 | Inferior mesenteric artery |
| SNM3 | T-48520 | Inferior right pulmonary vein |
| SNM3 | T-48710 | Inferior vena cava |
| SNM3 | T-46010 | Innominate artery |
| SNM3 | T-48620 | Innominate vein |
| SNM3 | T-45300 | Internal carotid artery |
| SNM3 | T-48170 | Internal jugular vein |
| SNM3 | T-46740 | Internal iliac artey |
| SNM3 | T-46200 | Internal mammary artery |
| SRT | D4-31052 | Juxtaposed atrial appendage |
| SNM3 | T-45410 | Lacrimal artery |
| SRT | T-45416 | Lacrimal artery of right eye |
| SNM3 | T-32300 | Left atrium |
| SNM3 | T-32310 | Left auricular appendage |



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|---|---|---|
| SNM3 | T-47420 | Left femoral artery |
| SNM3 | T-44400 | Left pulmonary artery |
| SNM3 | T-32600 | Left ventricle |
| SNM3 | T-32640 | Left ventricle inflow |
| SRT | D4-31022 | Left ventricle outflow chamber |
| SNM3 | T-32650 | Left ventricle outflow tract |
| SNM3 | T-45230 | Lingual artery |
| SNM3 | T-46960 | Lumbar artery |
| SNM3 | T-46500 | Mesenteric artery |
| SRT | T-4884A | Mesenteric vein |
| SNM3 | T-45250 | Occipital artery |
| SNM3 | T-48214 | Occipital vein |
| SNM3 | T-45400 | Ophthalmic artery |
| SNM3 | D4-32012 | Patent ductus arteriosus |
| SNM3 | T-47630 | Peroneal artery |
| SNM3 | T-47500 | Popliteal artery |
| SNM3 | T-48810 | Portal vein |
| SNM3 | T-45320 | Posterior communication artery |
| SRT | T-49535 | Posterior medial tributary |
| SNM3 | T-47600 | Posterior tibial artery |
| SNM3 | T-F7001 | Primitive aorta |
| SNM3 | T-F7040 | Primitive pulmonary artery |
| SNM3 | T-44000 | Pulmonary artery |
| SRT | D4-33142 | Pulmonary artery conduit |
| SRT | T-32190 | Pulmonary chamber of cor triatriatum |
| SNM3 | T-48500 | Pulmonary vein |
| SRT | D4-33512 | Pulmonary vein confluence |
| SRT | D4-33514 | Pulmonary venous atrium |
| SNM3 | T-47300 | Radial artery |
| SNM3 | T-46600 | Renal artery |
| SNM3 | T-48740 | Renal vein |
| SNM3 | T-32200 | Right atrium |
| SNM3 | T-32210 | Right auricular appendage |
| SNM3 | T-47410 | Right femoral artery |
| SNM3 | T-44200 | Right pulmonary artery |
| SNM3 | T-32500 | Right ventricle |
| SNM3 | T-32540 | Right ventricle inflow |
| SRT | D4-31032 | Right ventricle outflow chamber |
| SNM3 | T-32550 | Right ventricle outflow tract |
| SRT | T-D930A | Saphenofemoral junction |



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|---|---|---|
| SNM3 | T-49530 | Saphenous vein |
| SNM3 | T-46460 | Splenic artery |
| SNM3 | T-48890 | Splenic vein |
| SNM3 | T-46100 | Subclavian artery |
| SNM3 | T-48330 | Subclavian vein |
| SNM3 | T-45270 | Superficial temporal artery |
| SNM3 | T-48530 | Superior left pulmonary vein |
| SNM3 | T-46510 | Superior mesenteric artery |
| SNM3 | T-48510 | Superior right pulmonary vein |
| SNM3 | T-45210 | Superior thyroid artery |
| SNM3 | T-48610 | Superior vena cava |
| SRT | T-44007 | Systemic collateral artery to lung |
| SRT | D4-33516 | Systemic venous atrium |
| SNM3 | T-42070 | Thoracic aorta |
| SNM3 | D4-31400 | Truncus arteriosus communis |
| SNM3 | T-46400 | Truncus coeliacus |
| SNM3 | T-47200 | Ulnar artery |
| SNM3 | T-F1810 | Umbilical artery |
| SNM3 | T-48817 | Umbilical vein |
| SNM3 | T-48000 | Vein |
| SNM3 | T-48003 | Venous network |
| SNM3 | T-45700 | Vertebral artery |

**CID 3011 Electrophysiology Anatomic Locations**

**Context ID 3011**
**Electrophysiology Anatomic Locations**
**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SNM3 | T-32850 | Accessory atrioventricular bundle |
| SRT | T-32602 | Apex of left ventricle |
| SRT | T-32502 | Apex of right ventricle |
| SNM3 | T-32830 | Atrioventricular bundle |
| SNM3 | T-32820 | Atrioventricular node |
| SNM3 | T-32400 | Common ventricle |
| SNM3 | T-48410 | Coronary sinus |
| SNM3 | T-39010 | Epicardium |
| SNM3 | T-48420 | Great cardiac vein |
| SRT | G-DE02 | High right atrium |
| SNM3 | T-48540 | Inferior left pulmonary vein |
| SNM3 | T-48520 | Inferior right pulmonary vein |



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|---|---|---|
| SRT | G-DE04 | Lateral high right atrium |
| SNM3 | T-32833 | Left anterior division of left branch of left atrioventricular bundle |
| SNM3 | T-32300 | Left Atrium |
| SNM3 | T-32310 | Left auricular appendage |
| SNM3 | T-32832 | Left branch of atrioventricular bundle |
| SNM3 | T-32834 | Left posterior division of left branch of left atrioventricular bundle |
| SNM3 | T-32600 | Left ventricle |
| SNM3 | T-32640 | Left ventricle inflow |
| SNM3 | T-32650 | Left ventricle outflow tract |
| SRT | G-DE08 | Low right atrium |
| SRT | G-DE06 | Mid right atrium |
| SNM3 | T-48430 | Middle cardiac vein |
| SNM3 | T-35310 | Mitral ring |
| SNM3 | T-48411 | Ostium of coronary sinus |
| SNM3 | T-48500 | Pulmonary vein |
| SNM3 | T-35210 | Pulmonic ring |
| SNM3 | T-32840 | Purkinje fibers |
| SNM3 | T-35120 | Right atrioventricular ostium |
| SNM3 | T-32200 | Right Atrium |
| SNM3 | T-32210 | Right auricular appendage |
| SNM3 | T-32831 | Right branch of Atrioventricular bundle |
| SNM3 | T-32500 | Right ventricle |
| SNM3 | T-32540 | Right ventricle inflow |
| SNM3 | T-32550 | Right ventricle outflow tract |
| SNM3 | T-32810 | Sino-atrial node |
| SNM3 | T-48530 | Superior left pulmonary vein |
| SNM3 | T-48510 | Superior right pulmonary vein |
| SRT | T-32202 | Tendon of Todaro |
| SNM3 | T-35110 | Tricuspid ring |

**CID 3014 Coronary Artery Segments**

**Context ID 3014**
**Coronary Artery Segments**

**Type: Extensible Version: 20020904**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning | SNOMED (SRT) Equivalent |
|---|---|---|---|---|
| BARI | 1992 | 15 | 1st Diagonal Coronary Artery | T-43117 |
| BARI | 1992 | 24 | 1st Left Posterolateral Coronary Artery | T-4312B |
| BARI | 1992 | 20 | 1st Marginal Coronary Artery | T-43128 |



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|---|---|---|---|---|
| BARI | 1992 | 6 | 1st Right posterolateral Coronary Artery | T-43213 |
| BARI | 1992 | 17 | 1st Septal Coronary Artery | T-43002 |
| BARI | 1992 | 16 | 2nd Diagonal Coronary Artery | T-43118 |
| BARI | 1992 | 25 | 2nd Left Posterolateral Coronary Artery | T-4312C |
| BARI | 1992 | 21 | 2nd Marginal Coronary Artery | T-43129 |
| BARI | 1992 | 7 | 2nd Right posterolateral Coronary Artery | T-43214 |
| BARI | 1992 | 29 | 3rd diagonal Coronary Artery | T-43119 |
| BARI | 1992 | 26 | 3rd Left Posterolateral Coronary Artery | T-4312D |
| BARI | 1992 | 22 | 3rd Marginal Coronary Artery | T-4312A |
| BARI | 1992 | 8 | 3rd Right posterolateral Coronary Artery | T-43215 |
| BARI | 1992 | 10 | Acute Marginal Coronary Artery | |
| BARI | 1992 | 23 | AV groove continuation of Circumflex Artery | T-43124 |
| BARI | 1992 | 19A | Distal Circumflex Coronary Artery | T-43122 |
| BARI | 1992 | 14 | Distal Left Anterior Descending Coronary Artery | T-43112 |
| BARI | 1992 | 3 | Distal Right Coronary Artery | T-43202 |
| BARI | 1992 | 15A | Lateral 1st Diagonal Coronary Artery | |
| BARI | 1992 | 20A | Lateral 1st Marginal Coronary Artery | |
| BARI | 1992 | 16A | Lateral 2nd Diagonal Coronary Artery | |
| BARI | 1992 | 21A | Lateral 2nd Marginal Coronary Artery | |
| BARI | 1992 | 29A | Lateral 3rd Diagonal Coronary Artery | |
| BARI | 1992 | 22A | Lateral 3rd Marginal Coronary Artery | |
| BARI | 1992 | 28A | Lateral Ramus | |
| BARI | 1992 | 11 | Left Main Coronary Artery | T-43107 |
| BARI | 1992 | 11A | Left Main Coronary Artery Ostium | T-43105 |
| BARI | 1992 | 27 | Left Posterior Descending Artery | T-43126 |
| BARI | 1992 | 19 | Mid Circumflex Coronary Artery | T-43127 |
| BARI | 1992 | 13 | Mid Left Anterior Descending Coronary Artery | T-43115 |
| BARI | 1992 | 2 | Mid Right Coronary Artery | |
| BARI | 1992 | 4 | Posterior Descending Right Coronary Artery | T-43210 |
| BARI | 1992 | 9 | Posterior descending septal perforators | |
| BARI | 1992 | 18 | Proximal Circumflex Coronary Artery | T-43121 |
| BARI | 1992 | 12 | Proximal Left Anterior Descending Coronary Artery | T-43111 |
| BARI | 1992 | 1 | Proximal Right Coronary Artery | T-43201 |
| BARI | 1992 | 28 | Ramus | |
| BARI | 1992 | 1A | Right Coronary Artery Ostium | T-43205 |
| BARI | 1992 | 5 | Right posterior AV Coronary Artery | |



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**CID 3015 Coronary Arteries**

**Context ID 3015**
**Coronary Arteries**
**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| Include CONTEXT ID 3014 Coronary Artery Segments | | |
| SNM3 | T-4311A | Left Anterior Descending Coronary Artery |
| SNM3 | T-43203 | Right Coronary Artery |
| SNM3 | T-43120 | Circumflex Coronary Artery |

**CID 3019 Cardiovascular Anatomic Location Modifiers**

**Context ID 3019**
**Cardiovascular Anatomic Location Modifiers**
**Type: Extensible Version: 20030327**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SNM3 | G-A105 | Anterior |
| SRT | G-D873 | Arterial graft to cited segment |
| SNM3 | GA110 | Central |
| SNM3 | G-A119 | Distal |
| SRT | G-D870 | Graft to cited segment, body |
| SRT | G-D872 | Graft to cited segment, distal anastomosis |
| SRT | G-D871 | Graft to cited segment, proximal anastomosis |
| SNM3 | G-A115 | Inferior |
| SRT | G-A104 | Lateral |
| SNM3 | G-A101 | Left |
| SRT | T-3215A | Ostium |
| SNM3 | G-A106 | Posterior |
| SNM3 | G-A118 | Proximal |
| SNM3 | G-A100 | Right |
| SNM3 | G-A116 | Superior |
| SRT | G-D874 | Venous graft to cited segment |
| SRT | T-40003 | Entire Vessel |
| DCM | 122101 | Aneurysm on cited vessel |
| DCM | 122102 | Graft to cited segment, proximal section |
| DCM | 122103 | Graft to cited segment, mid section |
| DCM | 122104 | Graft to cited segment, distal section |



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**CID 3082 Cardiology Units of Measurement**

**Context ID 3082**
**Cardiology Units of Measurement**
**Type: Extensible Version: 20060613**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| UCUM | 1.4 | dB(A) | A scale of loudness |
| UCUM | 1.4 | [arb'U] | arbitrary unit |
| UCUM | 1.4 | cm | centimeter |
| UCUM | 1.4 | cm/s | centimeter/second |
| UCUM | 1.4 | d | day |
| UCUM | 1.4 | dB | decibel |
| UCUM | 1.4 | Cel | degrees Celsius |
| UCUM | 1.4 | {H.B.}/min | Heart beat per minute |
| UCUM | 1.4 | Hz | Herz |
| UCUM | 1.4 | h | hour |
| UCUM | 1.4 | J | Joule |
| UCUM | 1.4 | kHz | kiloHerz |
| UCUM | 1.4 | kOhm | kiloOhm |
| UCUM | 1.4 | km/h | kilometer per hour |
| UCUM | 1.4 | kPa | kiloPascal |
| UCUM | 1.4 | l/min | liter per minute |
| UCUM | 1.4 | MHz | megaHerz |
| UCUM | 1.5 | [MET] | Metabolic equivalent |
| UCUM | 1.4 | uV | microvolt |
| UCUM | 1.4 | [mi_i]/h | mile per hour |
| UCUM | 1.4 | mm | millimeter |
| UCUM | 1.4 | ml/min | milliliter per minute |
| UCUM | 1.4 | ml/s | milliliter per second |
| UCUM | 1.4 | mm[Hg] | millimeter of mercury |
| UCUM | 1.4 | mV | millivolt |
| UCUM | 1.4 | min | minute |
| UCUM | 1.4 | mm/s | mm/s |
| UCUM | 1.4 | % | percent |
| UCUM | 1.4 | s | second |
| UCUM | 1.4 | mm2 | square millimeter |
| UCUM | 1.4 | 1 | unary |
| UCUM | 1.4 | V | volt |
| UCUM | 1.4 | W | Watt |



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**CID 3090 Time Synchronization Channel Types**

**Context ID 3090**
**Time Synchronization Channel Types**
**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| DCM | 109001 | Digital timecode (NOS) |
| DCM | 109002 | ECG-based gating signal, processed |
| DCM | 109003 | IRIG-B timecode |
| DCM | 109004 | X-ray Fluoroscopy On Signal |
| DCM | 109005 | X-ray On Trigger |

**CID 3101 NM Procedural State Values**

**Context ID 3101**
**NM Procedural State Values**
**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01604 | Resting State |
| DCM | 109091 | Cardiac Stress State |
| DCM | 109092 | Reinjection State |
| DCM | 109093 | Redistribution State |
| DCM | 109094 | Delayed Redistribution State |

**CID 3240 Electrophysiology Measurement Functions and Techniques**

**Context ID 3240**
**Electrophysiology Measurement Functions and Techniques**
**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| DCM | 109006 | Differential signal |
| DCM | 109007 | His bundle electrogram |
| DCM | 109008 | Monopole signal |
| DCM | 109009 | Pacing (electrical) stimulus, voltage |
| DCM | 109010 | Radio frequency ablation, power |
| DCM | 109011 | Voltage measurement by basket catheter |
| DCM | 109012 | Voltage measurement by mapping catheter |
| DCM | 109013 | Voltage measurement, NOS |



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**CID 3241 Hemodynamic Measurement Techniques**

**Context ID 3241**
**Hemodynamic Measurement Techniques**

**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | PA-50038 | Averaged hemodynamic measurement method |
| SRT | PA-50035 | Composite hemodynamic measurement method |
| SRT | PA-50034 | Computed hemodynamic measurement method |
| SRT | PA-5003B | Conductance catheter method |
| SRT | PA-5003C | Doppler catheter method |
| SRT | PA-50031 | Dual catheter method |
| SRT | PA-50039 | Fluid filled catheter method |
| SRT | PA-5003D | Fiberoptic catheter method |
| SRT | PA-5003E | Hall catheter method |
| SRT | PA-50033 | Pullback method |
| SRT | PA-50032 | Pulmonary capillary wedge method |
| SRT | PA-50036 | Static catheter method |
| SRT | PA-5003F | Thermistor catheter method |
| SRT | PA-5003A | Tip manometer method |
| SRT | PA-50037 | Wedge method |

**CID 3250 Catheterization Procedure Phase**

**Context ID 3250**
**Catheterization Procedure Phase**

**Type: Extensible Version:** 20030327

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | G-7299 | Cardiac catheterization bailout phase |
| SRT | G-7293 | Cardiac catheterization baseline phase |
| SRT | G-7294 | Cardiac catheterization image acquisition phase |
| SRT | G-7295 | Cardiac catheterization intervention phase |
| SRT | G-729B | Cardiac catheterization post contrast phase |
| SRT | G-7298 | Cardiac catheterization post-intervention phase |
| SRT | G-7296 | Cardiac catheterization pre-intervention phase |
| SRT | G-929D | Cardiac catheterization test/challenging phase |
| SRT | G-7297 | Cardiac catheterization therapy phase |
| SRT | P1-3160A | Catheterization of both left and right heart with graft |
| SRT | P1-3160B | Catheterization of both left and right heart without graft |
| SNM3 | P1-31604 | Catheterization of left heart |
| SNM3 | P1-31602 | Catheterization of right heart |



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|---|---|---|
| SNM3 | P1-31612 | Transseptal catheterization |
| SRT | P2-71317 | Drug Infusion Challenge |
| SRT | P2-71310 | Exercise challenge |
| SRT | F-01604 | Resting State |

**CID 3254 Electrophysiology Procedure Phase**

**Context ID 3254**
**Electrophysiology Procedure Phase**

**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | G-729D | Atrial Effective Refractory Period, evaluation of |
| SRT | G-7304 | Carotid Sinus Massage procedure phase |
| SRT | G-7306 | Electrophysiology Mapping phase |
| SRT | G-729A | Electrophysiology procedure baseline phase |
| SRT | G-7408 | Post-ablation phase |
| SRT | G-7305 | Post-defibrillation procedure phase |
| SRT | G-729F | Radiofrequency Ablation procedure phase |
| SRT | G-729C | Sinus Node Recovery Time, evaluation of |
| SRT | G-729E | Ventricular Effective Refractory Period, evaluation of |

**CID 3261 Stress Protocols**

**Context ID 3261**
**Stress Protocols**

**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | P2-7131C | Balke protocol |
| SRT | P2-7131A | Bruce protocol |
| SRT | P2-7131D | Ellestad protocol |
| SRT | P2-7131B | Modified Bruce protocol |
| SRT | P2-713A1 | Modified Naughton protocol |
| SRT | P2-713A0 | Naughton protocol |
| SRT | P2-7131F | Pepper protocol |
| SRT | P2-7131E | Ramp protocol |

**CID 3262 ECG Patient State Values**

**Context ID 3262**
**ECG Patient State Values**

**Type: Extensible Version: 20020904**

| Coding | Code Value | Code Meaning |
|---|---|---|



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| Scheme | | |
|---|---|---|
| SRT | F-01602 | Baseline state |
| SRT | F-01606 | Exercise state |
| SRT | F-01608 | Post-exercise state |
| SRT | F-01604 | Resting state |
| SNM3 | F-10340 | Supine body position |

**CID 3263 Electrode Placement Values**

**Context ID 3263**
**Electrode Placement Values**

**Type: Extensible Version: 20020904**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.4.5-33-1-5 | 12-lead ECG derived from Frank XYZ leads |
| SCPECG | 1.3 | 5.4.5-33-1-6 | 12-lead ECG derived from non-standard leads |
| SCPECG | 1.3 | 5.4.5-33-1-2 | Mason-Likar positions: limb leads placed on the torso |
| SCPECG | 1.3 | 5.4.5-33-1-3 | Mason-Likar with V pad: chest leads as a single pad |
| SCPECG | 1.3 | 5.4.5-33-1-4 | Single electrode pad: all electrodes in a single electrode pad |
| SCPECG | 1.3 | 5.4.5-33-1-1 | Standard 12-lead positions: limb leads placed at extremities |
| SCPECG | 1.3 | 5.4.5-33-1-0 | Unspecified |

**CID 3264 XYZ Electrode Placement Values**

**Context ID 3264**
**XYZ Electrode Placement Values**

**Type: Extensible Version: 20020904**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.4.5-33-2-4 | Bipolar uncorrected XYZ lead system |
| SCPECG | 1.3 | 5.4.5-33-2-3 | Cube lead system (Grishman et al, Amer Heart J 1951; 41:483). |
| SCPECG | 1.3 | 5.4.5-33-2-1 | Frank lead system (Frank, 1956; 13:737) |
| SCPECG | 1.3 | 5.4.5-33-2-2 | McFee-Parungao lead system |
| SCPECG | 1.3 | 5.4.5-33-2-5 | Pseudo-orthogonal XYZ lead system (as used in Holter recording) |
| SCPECG | 1.3 | 5.4.5-33-2-0 | Unspecified |
| SCPECG | 1.3 | 5.4.5-33-2-6 | XYZ leads derived from standard 12-lead ECG |



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**CID 3271 Hemodynamic Physiological Challenges**

**Context ID 3271**
**Hemodynamic Physiological Challenges**

**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | P2-71317 | Drug infusion |
| SRT | P2-71310 | Exercise challenge |
| SRT | P2-71306 | Handgrip |
| SRT | P2-71302 | Head up |
| SRT | P2-71314 | Held inspiration |
| SRT | P2-71316 | Held ventilation |
| SRT | P2-71304 | Leg up |
| SRT | P2-71308 | Negative lower body pressure |
| SNM3 | P2-35000 | Pacing |
| SRT | P2-71318 | Post volume challenge |
| SRT | P2-71312 | Vagal stimulation |
| SNM3 | F-F7102 | Valsalva maneuver |

**CID 3335 ECG Annotations**

**Context ID 3335**
**ECG Annotations**

**Type: Extensible Version: 20020904**

| Coding Scheme | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.7.1-3 | Fiducial point |
| SCPECG | 1.3 | D.4.1-J | J point |
| SCPECG | 1.3 | D.4.1-ST20 | J point + 20 msec |
| SCPECG | 1.3 | D.4.1-ST60 | J point + 60 msec |
| SCPECG | 1.3 | D.4.1-ST80 | J point +80 msec |
| SCPECG | 1.3 | 5.10.3-2 | P wave end |
| SCPECG | 1.3 | 5.10.3-1 | P wave onset |
| SCPECG | 1.3 | D.4.1-P | P wave peak |
| SCPECG | 1.3 | 5.10.1.2 | Pacemaker spike, suppressed |
| SCPECG | 1.3 | D.4.1-PR | PR segment (isoelectric point) |
| SCPECG | 1.3 | D.4.1-Q | Q wave |
| SCPECG | 1.3 | 5.10.3-4 | QRS end |
| SCPECG | 1.3 | 5.10.3-3 | QRS onset |
| SCPECG | 1.3 | D.4.1-R | R wave peak |
| SCPECG | 1.3 | D.4.1-R2 | R' peak |
| SCPECG | 1.3 | D.4.1-S | S wave |



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|---|---|---|---|
| SCPECG | 1.3 | D.4.1-S2 | S' wave |
| SCPECG | 1.3 | 5.10.3-5 | T wave end |
| SCPECG | 1.3 | D.4.1-STE | T wave onset |
| SCPECG | 1.3 | D.4.1-T | T wave peak |
| SCPECG | 1.3 | D.4.1-U | U wave peak |

**CID 3337 Hemodynamic Annotations**

**Context ID 3337**
**Hemodynamic Annotations**

**Type: Extensible Version:** 20050322

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| DCM | 109014 | 35% of thermal/dye dilution CO |
| DCM | 109015 | 70% of thermal/dye dilution CO |
| DCM | 109016 | A wave peak pressure |
| DCM | 109017 | A wave pressure, average |
| DCM | 109018 | Beat detected (accepted) |
| DCM | 109019 | Beat detected (rejected) |
| SRT | F-00E22 | Average diastolic blood pressure |
| SRT | F-00E1F | Minimum diastolic blood pressure |
| SRT | F-32011 | End diastole |
| DCM | 109023 | End of expiration |
| DCM | 109024 | End of inspiration |
| DCM | 109070 | End of systole |
| DCM | 109071 | Indicator mean transit time |
| DCM | 109025 | Max dp/dt |
| DCM | 109026 | Max neg dp/dt |
| SRT | F-31150 | Mean blood pressure |
| DCM | 109028 | Peak of thermal cardiac output bolus |
| DCM | 109029 | Start of expiration |
| DCM | 109030 | Start of inspiration |
| DCM | 109031 | Start of thermal CO |
| SRT | F-00E14 | Average systolic blood pressure |
| SRT | F-00E11 | Maximum systolic blood pressure |
| DCM | 109072 | Tau |
| DCM | 109073 | V max myocardial |
| DCM | 109034 | V wave peak pressure |
| DCM | 109035 | V wave pressure, average |
| DCM | 109036 | Valve close |
| DCM | 109037 | Valve open |



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**CID 3339 Electrophysiology Annotations**

**Context ID 3339**
**Electrophysiology Annotations**
**Type: Extensible Version: 20020904**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| DCM | 109038 | Ablation off |
| DCM | 109039 | Ablation on |
| DCM | 109040 | HIS bundle wave |
| DCM | 109041 | P wave |
| DCM | 109042 | Q wave |
| DCM | 109043 | R wave |
| DCM | 109044 | S wave |
| DCM | 109045 | Start of atrial contraction |
| DCM | 109046 | Start of atrial contraction (subsequent) |
| DCM | 109047 | Stimulation at rate 1 interval |
| DCM | 109048 | Stimulation at rate 2 interval |
| DCM | 109049 | Stimulation at rate 3 interval |
| DCM | 109050 | Stimulation at rate 4 interval |
| DCM | 109051 | T wave |
| DCM | 109052 | V wave |
| DCM | 109053 | V wave of next beat |

**CID 3400 Procedure Log Titles**

**Context ID 3400**
**Procedure Log Titles**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121120 | Cath Lab Procedure Log |

**CID 3401 Types of Log Notes**

**Context ID 3401**
**Types of Log Notes**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121171 | Tech Note |



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|---|---|---|
| DCM | 121172 | Nursing Note |
| DCM | 121173 | Physician Note |
| DCM | 121174 | Procedure Note |
| DCM | 121123 | Patient Status or Event |

**CID 3402 Patient Status and Events**

**Context ID 3402**
**Patient Status and Events**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122001 | Patient called to procedure room |
| DCM | 122002 | Patient admitted to procedure room |
| DCM | 122003 | Patient given pre-procedure instruction |
| DCM | 122004 | Patient informed consent given |
| DCM | 122005 | Patient advance directive given |
| DCM | 122006 | Nil Per Os (NPO) status confirmed |
| DCM | 122007 | Patient assisted to table |
| DCM | 122008 | Patient prepped and draped |
| DCM | 122009 | Patient connected to continuous monitoring |
| DCM | 122010 | Patient transferred to holding area |
| DCM | 122011 | Patient transferred to surgery |
| DCM | 122012 | Patient transferred to CCU |
| DCM | 122020 | Patient disoriented |
| DCM | 122021 | Patient reports nausea |
| DCM | 122022 | Patient reports discomfort |
| DCM | 122023 | Patient reports chest pain |
| DCM | 122024 | Patient reports no pain |
| DCM | 122025 | Patient alert |
| DCM | 122026 | Patient restless |
| DCM | 122027 | Patient sedated |
| DCM | 122028 | Patient asleep |
| DCM | 122029 | Patient unresponsive |
| DCM | 122030 | Patient has respiratory difficulty |
| DCM | 122031 | Patient coughed |
| DCM | 122032 | Patient disconnected from continuous monitoring |
| DCM | 122033 | Hemostasis achieved |
| DCM | 122034 | Hemostasis not achieved – oozing |
| DCM | 122035 | Hemostasis not achieved – actively bleeding |
| DCM | 122036 | Patient given post-procedure instruction |



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|---|---|---|
| DCM | 122038 | Patient pronounced dead |
| DCM | 122039 | Patient transferred to morgue |
| DCM | 122037 | Patient discharged |

**CID 3403 Percutaneous Entry**

**Context ID 3403**
**Percutaneous Entry**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| INCLUDE CID 3746 Percutaneous Entry | | |
| INCLUDE CID 3747 Percutaneous Closure | | |

**CID 3404 Staff Actions**

**Context ID 3404**
**Staff Actions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122041 | Personnel Arrived |
| DCM | 122042 | Personnel Departed |
| DCM | 122043 | Page Sent To |
| DCM | 122044 | Consultation With |
| DCM | 122045 | Office called |

**CID 3405 Procedure Action Values**

**Context ID 3405**
**Procedure Action Values**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P1-30350 | Atherectomy |
| SRT | P1-30351 | Atherectomy by rotary cutter |
| SRT | P1-30352 | Atherectomy by laser |
| SRT | P1-30530 | Selective embolization of artery |
| SRT | P5-31500 | Percutaneous transluminal balloon angioplasty |
| SRT | P5-39010 | Transcatheter therapy for embolization |



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| | | |
|---|---|---|
| SRT | P5-39050 | Percutaneous retrieval of intravascular foreign body |
| SRT | P1-05550 | Stent placement |
| SRT | P5-39015 | Transcatheter deployment of detachable balloon |
| SRT | P5-39191 | Percutaneous insertion of intravascular filter |
| INCLUDE CID 3250 Catheterization Procedure Phases | | |
| INCLUDE CID 3406 Non-Coronary Transcatheter Interventions | | |
| INCLUDE CID 3428 Imaging Procedures | | |

**CID 3406 Non-Coronary Transcatheter Interventions**

**Context ID 3406**
**Non-Coronary Transcatheter Interventions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122053 | Valvular Intervention |
| DCM | 122054 | Aortic Intervention |
| DCM | 122055 | Septal Defect Intervention |
| DCM | 122056 | Vascular Intervention |
| DCM | 122057 | Myocardial biopsy |

**CID 3407 Purpose of Reference to Object**

**Context ID 3407**
**Purpose of Reference to Object**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122072 | Pre-procedure log |
| DCM | 122073 | Analysis or measurements for current procedure |
| DCM | 122075 | Prior report for current patient |

**CID 3408 Actions with Consumables**

**Context ID 3408**
**Actions with Consumables**

**Type: Extensible Version: 20030327**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|



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| Designator | | |
|---|---|---|
| DCM | 122076 | Consumable taken from inventory |
| DCM | 122077 | Consumable returned to inventory |
| DCM | 122078 | Remaining consumable disposed |
| DCM | 122079 | Consumable unusable |

**CID 3409 Administration of Drugs/Contrast**

**Context ID 3409**
**Administration of Drugs/Contrast**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122081 | Drug start |
| DCM | 122082 | Drug end |
| DCM | 122083 | Drug administered |
| DCM | 122084 | Contrast start |
| DCM | 122085 | Contrast end |
| DCM | 122086 | Contrast administered |
| DCM | 122087 | Infusate start |
| DCM | 122088 | Infusate end |

**CID 3410 Numeric Parameters of Drugs/Contrast**

**Context ID 3410**
**Numeric Parameters of Drugs/Contrast**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122091 | Volume administered |
| DCM | 122092 | Undiluted dose administered |
| DCM | 122093 | Concentration |
| DCM | 122094 | Rate of administration |
| DCM | 122095 | Duration of administration |
| DCM | 122096 | Volume unadministered or discarded |



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**CID 3411 Intracoronary Devices**

**Context ID 3411**
**Intracoronary Devices**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent | Trade Name (Informative) |
|---|---|---|---|---|
| SRT | A-26912 | Percutaneous Transluminal Angioplasty Balloon | 113-1 | |
| SRT | R-002F0 | Cutting Balloon Angioplasty (CBA) Device | 113-2 | |
| SRT | A-25500 | Stent | 113-3 | |
| SRT | R-002FD | Directional Coronary Atherectomy (DCA) Device | 113-4 | |
| SRT | A-25610 | Rotational Atherectomy Device | 113-5 | Rotablator™ |
| SRT | R-0036F | Saline Thrombectomy | 113-6 | AngioJet™ |
| SRT | A-26920 | Transluminal Extraction Catheter (TEC) | 113-7 | |
| SRT | A-81080 | Laser | 113-8 | |
| SRT | R-00312 | Intravascular Ultrasound (IVUS) Device | 113-9 | |
| SRT | R-00310 | Intracoronary Doppler guide wire | 113-10 | Flowire™ |
| SRT | R-00311 | Intracoronary pressure guide wire | 113-11 | |
| SRT | A-040ED | Brachytherapy Device | | |
| SRT | R-00361 | Radiofrequency Ablation Device | | |

**CID 3412 Intervention Actions and Status**

**Context ID 3412**
**Intervention Actions and Status**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122301 | Guidewire crossing lesion unsuccessful |
| DCM | 122302 | Guidewire crossing lesion successful |
| DCM | 122303 | Angioplasty balloon inflated |
| DCM | 122304 | Angioplasty balloon deflated |
| DCM | 122305 | Device deployed |
| DCM | 122306 | Stent re-expanded |
| DCM | 122307 | Object removed |
| DCM | 122308 | Radiation applied |
| DCM | 122309 | Radiation removed |
| DCM | 122310 | Interventional device placement unsuccessful |
| DCM | 122311 | Interventional device placed |



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|---|---|---|
| DCM | 122312 | Intervention performed |
| DCM | 122313 | Interventional device withdrawn |

**CID 3413 Adverse Outcomes**

**Context ID 3413**
**Adverse Outcomes**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122167 | Death During Catheterization |
| INCLUDE CID 3754 Vascular Complications | | |
| INCLUDE CID 3755 Cath Complications | | |

**CID 3414 Procedure Urgency**

**Context ID 3414**
**Procedure Urgency**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalents |
|---|---|---|---|
| SRT | G-D210 | Elective Procedure | 21-1, 78-1, 92-1 |
| SRT | G-D216 | Urgent Procedure | 21-2, 78-2, 92-2 |
| SRT | G-D209 | Emergent Procedure | 21-3, 78-3, 92-3 |
| SRT | R-41C8D | Salvage Procedure | 21-4, 78-4, 92-4 |

**CID 3415 Cardiac Rhythms**

**Context ID 3415**
**Cardiac Rhythms**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SCPECG | D.3.2.6-SR | sinus rhythm |
| SCPECG | D.3.2.6-NSR | normal sinus rhythm |
| SCPECG | D.3.2.6-SARRH | sinus arrhythmia |
| SCPECG | D.3.2.6-MSAR | marked sinus arrhythmia |
| SCPECG | D.3.2.6-SVARR | supraventricular arrhythmia |
| SCPECG | D.3.2.6-STACH | sinus tachycardia |
| SCPECG | D.3.2.6-ETACH | extreme tachycardia |
| SCPECG | D.3.2.6-SBRAD | sinus bradycardia |



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|---|---|---|
| SCPECG | D.3.2.6-EBRAD | extreme bradycardia |
| SCPECG | D.3.2.6-JTACH | junctional tachycardia |
| SCPECG | D.3.2.6-SVTAC | supraventricular tachycardia |
| SCPECG | D.3.2.6-JBRAD | junctional bradycardia |
| SCPECG | D.3.2.6-SVBRA | supraventricular bradycardia |
| SCPECG | D.3.2.6-WQTAC | wide QRS tachycardia |
| SCPECG | D.3.2.6-NQTAC | narrow QRS tachycardia |
| SCPECG | D.3.2.6-TACHO | tachycardia, origin unknown or not specified |
| SCPECG | D.3.2.6-BRADO | bradycardia, origin unknown or not specified |
| SCPECG | D.3.2.6-ARRHY | arrhythmia, origin unknown |
| SCPECG | D.3.2.6-IRREG | irregular rhythm |
| SCPECG | D.3.2.6-REGRH | regular rhythm |
| SCPECG | D.3.2.6-JESCR | junctional escape rhythm |
| SCPECG | D.3.2.6-VESCR | ventricular escape rhythm |
| SCPECG | D.3.2.6-ACAR | accelerated atrial rhythm |
| SCPECG | D.3.2.6-ACVR | accelerated ventricular rhythm |
| SCPECG | D.3.2.6-ACJR | accelerated junctional rhythm |
| SCPECG | D.3.2.6-AVJR | AV-junctional rhythm |
| SCPECG | D.3.2.6-ARHYT | atrial rhythm |
| SCPECG | D.3.2.6-SVRHY | supraventricular rhythm |
| SCPECG | D.3.2.6-JRHYT | junctional rhythm |
| SCPECG | D.3.2.6-VRHYT | ventricular rhythm |
| SCPECG | D.3.2.6-UNRHY | undetermined rhythm |
| SCPECG | D.3.2.6-EAR | ectopic atrial rhythm |
| SCPECG | D.3.2.6-LAR | left atrial rhythm |
| SCPECG | D.3.2.6-MAR | multifocal atrial rhythm |
| SCPECG | D.3.2.6-NODRH | nodal rhythm |
| SCPECG | D.3.2.6-RAR | low right atrial rhythm |
| SCPECG | D.3.2.6-LGL | Lown-Ganong-Levine syndrome |
| SCPECG | D.3.2.6-SHTPR | Short PR-interval |
| SCPECG | D.3.2.6-AFIB | atrial fibrillation |
| SCPECG | D.3.2.6-AFLT | atrial flutter |
| SCPECG | D.3.2.6-ATACH | atrial tachycardia |
| SCPECG | D.3.2.6-PSVT | paroxysmal supraventricular tachycardia |
| SCPECG | D.3.2.6-PAT | paroxysmal atrial tachycardia |
| SCPECG | D.3.2.6-MFAT | multifocal atrial tachycardia |
| SCPECG | D.3.2.6-RATAC | run of atrial tachycardia |
| SCPECG | D.3.2.6-RJTAC | run of junctional tachycardia |
| SCPECG | D.3.2.6-AVNRT | atrioventricular nodal re-entrant tachycardia |
| SCPECG | D.3.2.6-AVRT | atrioventricular reciprocating tachycardia |
| SCPECG | D.3.2.6-IDIOR | idioventricular rhythm |



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|---|---|---|
| SCPECG | D.3.2.6-VFIB | ventricular fibrillation |
| SCPECG | D.3.2.6-VTACH | ventricular tachycardia |
| SCPECG | D.3.2.6-RVTAC | run of ventricular tachycardia |
| SCPECG | D.3.2.6-SVT | sustained ventricular tachycardia |
| SCPECG | D.3.2.6-NSVT | non-sustained ventricular tachycardia |
| SCPECG | D.3.2.6-TORSA | torsade des pointes ventricular tachycardia |
| SCPECG | D.3.2.6-MTACH | multifocal tachycardia, supraventricular or ventricular |
| SCPECG | D.3.2.6-VFLT | ventricular flutter |
| SCPECG | D.3.2.6-ASYST | asystole |

**CID 3416 Respiration Rhythms**

**Context ID 3416**
**Respiration Rhythms**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | F-21301 | normal respiratory rhythm |
| SRT | F-21303 | irregular breathing |
| SRT | F-20130 | gasping respiration |
| SRT | F-21334 | abnormal respiratory rhythm |
| SRT | F-21331 | respiration intermittent |

**CID 3418 Lesion Risk**

**Context ID 3418**
**Lesion Risk**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 111-1 | Low Risk Lesion |
| NCDR | 2.0b | 111-2 | Moderate Risk Lesion |
| NCDR | 2.0b | 111-3 | High Risk Lesion |

**CID 3419 Findings Titles**

**Context ID 3419**
**Findings Titles**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121071 | Finding |
| DCM | 121073 | Impression |
| DCM | 121075 | Recommendation |

**CID 3421 Procedure Action**

**Context ID 3421**
**Procedure Action**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121130 | Start Procedure Action |
| DCM | 121131 | End Procedure Action |
| DCM | 121132 | Suspend Procedure Action |
| DCM | 121133 | Resume Procedure Action |

**CID 3422 Device Use Actions**

**Context ID 3422**
**Device Use Actions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002F8 | Device inserted into sheath |
| SRT | R-002F7 | Device at site of interest |
| SRT | R-002FB | Device withdrawn / removed |
| SRT | R-002F6 | Device applied to patient |
| SRT | R-002FA | Device used |
| SRT | R-10042 | Device crossed septum |
| DCM | 122089 | Device crossed lesion |

**CID 3423 Numeric Device Characteristics**

**Context ID 3423**
**Numeric Device Characteristics**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A22A | Length |
| SRT | M-02550 | Diameter |
| DCM | 122097 | Catheter Curve |
| DCM | 122098 | Transmit Frequency |

**CID 3425 Intervention Parameters**

**Context ID 3425**
**Intervention Parameters**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002D0 | Angioplasty Inflation pressure |
| SRT | R-002CF | Angioplasty Inflation duration |
| SRT | R-0036C | Rotational Atherectomy Speed |
| SRT | R-002F2 | Delivered Radiation Dose |
| SRT | R-10043 | Ablation power |
| SRT | R-10044 | Ablation frequency |

**CID 3426 Consumables Parameters**

**Context ID 3426**
**Consumables Parameters**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121145 | Description of Material |
| DCM | 121148 | Unit Serial Identifier |
| DCM | 121149 | Lot Identifier |

**CID 3427 Equipment Events**

**Context ID 3427**
**Equipment Events**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|



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|---|---|---|
| DCM | 122046 | Equipment failure |
| DCM | 122047 | Equipment brought to procedure room |
| DCM | 122048 | Equipment ready |
| DCM | 122049 | Equipment removed |

**CID 3428 Imaging Procedures**

**Context ID 3428**
**Imaging Procedures**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P5-009A0 | Angiography |
| SRT | P5-32130 | Aortography |
| SRT | P5-30100 | Coronary Arteriography |
| SRT | P5-3003A | Cardiac ventriculography |
| SRT | P5-30041 | Left Ventriculography |
| SRT | P5-3003F | Right Ventriculography |
| SRT | P5-30107 | Bypass graft angiography |
| DCM | 122058 | Arterial conduit angiography |
| SRT | P5-B3002 | Transesophageal echocardiography |
| SRT | P5-B3003 | Transthoracic echocardiography |
| SRT | P5-B3004 | Epicardial echocardiography |
| SRT | P5-B001D | Intravascular ultrasound |
| SRT | P5-B3006 | Intracardiac echocardiography |

**CID 3429 Catheterization Devices**

**Context ID 3429**
**Catheterization Devices**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | A-28051 | Intra-Aortic Balloon Pump (IABP) |
| SRT | R-00306 | Fluid filled catheter |
| SRT | R-00304 | Fiberoptic catheter |
| SRT | R-0030A | Hall catheter |
| SRT | R-00379 | Thermistor catheter |
| SRT | R-00383 | Tip manometer |
| SRT | A-26860 | Swann-Ganz catheter |
| SRT | F-9B75C | Sheath |



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|---|---|---|
| SRT | R-10041 | Transseptal catheter |
| DCM | 122052 | Bioptome |
| INCLUDE CID 3411 Intracoronary Devices | | |

**CID 3430 DateTime Qualifiers**

**Context ID 3430**
**DateTime Qualifiers**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121136 | Datetime Unsynchronized |
| DCM | 121137 | Datetime Estimated |

**CID 3440 Peripheral Pulse Locations**

**Context ID 3440**
**Peripheral Pulse Locations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-47160 | Brachial Artery |
| SRT | T-45100 | Carotid Artery |
| SRT | T-47741 | Dorsalis Pedis Artery |
| SRT | T-47400 | Femoral Artery |
| SRT | T-47500 | Popliteal Artery |
| SRT | T-47600 | Posterior Tibial Artery |
| SRT | T-47300 | Radial Artery |
| SRT | T-47200 | Ulnar Artery |

**CID 3441 Patient assessments**

**Context ID 3441**
**Patient assessments**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 8884-9 | Cardiac Rhythm |
| LN | 9304-7 | Respiration Rhythm |
| SRT | F-046D8 | Skin condition assessment |



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| | | |
|---|---|---|
| SRT | F-043E6 | Respiration assessment |
| SRT | F-04317 | Patient mental state assessment |

**CID 3442 Peripheral Pulse Methods**

**Context ID 3442**
**Peripheral Pulse Methods**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P2-01510 | Palpation |
| SRT | P1-30022 | Doppler |

**CID 3446 Skin Condition**

**Context ID 3446**
**Skin Condition**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122271 | skin condition Warm |
| DCM | 122272 | skin condition Cool |
| DCM | 122273 | skin condition Cold |
| DCM | 122274 | skin condition Dry |
| DCM | 122275 | skin condition Clammy |
| DCM | 122276 | skin condition Diaphoretic |
| DCM | 122277 | skin condition Flush |
| DCM | 122278 | skin condition Mottled |
| DCM | 122279 | skin condition Pale |

**CID 3448 Airway Assessment**

**Context ID 3448**
**Airway Assessment**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122281 | airway unobstructed |
| DCM | 122282 | airway partially obstructed |
| DCM | 122283 | airway severely obstructed |



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**CID 3451 Calibration Objects**

**Context ID 3451**
**Calibration Objects**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-26800 | Catheter |
| SRT | A-10141 | Measuring Ruler |
| DCM | 122485 | Sphere |

**CID 3452 Calibration Methods**

**Context ID 3452**
**Calibration Methods**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122486 | Geometric Isocenter |
| DCM | 122487 | Geometric Non-Isocenter |
| DCM | 122488 | Calibration Object Used |

**CID 3453 Volume Methods**

**Context ID 3453**
**Volume Methods**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122558 | Area Length Kennedy |
| DCM | 122559 | Area Length Dodge |
| DCM | 122560 | Area Length Wynne |
| DCM | 122562 | Multiple Slices |
| DCM | 122563 | Boak |
| DCM | 122564 | TS Pyramid |
| DCM | 122565 | Two Chamber |
| DCM | 122566 | Parallelepiped |



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**CID 3455 Index Methods**

**Context ID 3455**
**Index Methods**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8277-6 | BSA |
| DCM | 122572 | BSA^1.219 |

**CID 3456 Sub-segment Methods**

**Context ID 3456**
**Sub-Segment Methods**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122574 | Equidistant method |
| DCM | 122575 | User selected method |

**CID 3458 Contour Realignment**

**Context ID 3458**
**Contour Realignment**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122475 | Center of Gravity |
| DCM | 122476 | Long Axis Based |
| DCM | 122477 | No Realignment |

**CID 3460 Circumferential ExtenT**

**Context ID 3460**
**Circumferential Extent**
**Type: Extensible Version: 20040614**



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122464 | LAD Region in RAO Projection |
| DCM | 122465 | RCA Region in RAO Projection |

**CID 3461 Regional Extent**

**Context ID 3461**
**Regional Extent**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122466 | Single LAD Region in RAO Projection |
| DCM | 122467 | Single RCA Region in RAO Projection |
| DCM | 122468 | Multiple LAD Region in RAO Projection |
| DCM | 122469 | Multiple RCA Region in RAO Projection |
| DCM | 122470 | LAD Region in LAO Projection |
| DCM | 122471 | RCA Region in LAO Projection |
| DCM | 122472 | CFX Region in LAO Projection |

**CID 3462 Chamber Identification**

**Context ID 3462**
**Chamber Identification**
**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-32600 | Left Ventricle |
| SRT | T-32500 | Right Ventricle |
| SRT | T-32300 | Left Atrium |
| SRT | T-32200 | Right Atrium |

**CID 3465 QA Reference MethodS**

**Context ID 3465**
**QA Reference Methods**
**Type: Extensible Version: 20040614**



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122489 | Curve Fitted Reference |
| DCM | 122490 | Interpolated Local Reference |
| DCM | 122491 | Mean Local Reference |

**CID 3466 Plane Identification**

**Context ID 3466**
**Plane Identification**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-10218 | Right Anterior Oblique |
| SRT | R-10220 | Left Anterior Oblique |
| SRT | R-10206 | Antero-posterior |
| SRT | R-10236 | Left Lateral |
| SRT | R-101C3 | Cranial LAO |
| SRT | R-101C5 | Cranial RAO |
| SRT | R-101C4 | Caudal LAO |
| SRT | R-101C6 | Caudal RAO |

**CID 3467 Ejection Fraction**

**Context ID 3467**
**Ejection Fraction**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8808-8 | Left Ventricular Ejection Fraction by Angiography |
| LN | 8815-3 | Right Ventricular Ejection Fraction by Angiography |
| DCM | 122406 | Left Atrial Ejection Fraction by Angiography |



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**CID 3468 ED Volume**

**Context ID 3468**
**ED Volume**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8821-1 | Left Ventricular ED Volume |
| LN | 8822-3 | Right Ventricular ED Volume |
| DCM | 122407 | Left Atrial ED Volume |

**CID 3469 ES Volume**

**Context ID 3469**
**ES Volume**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8823-7 | Left Ventricular ES Volume |
| LN | 8824-5 | Right Ventricular ES Volume |
| DCM | 122408 | Left Atrial ES Volume |

**CID 3470 Vessel Lumen Cross-Sectional Area Calculation Methods**

**Context ID 3470**
**Vessel Lumen Cross-Sectional Area Calculation Methods**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122473 | Circular method |
| DCM | 122474 | Densitometric method |

**CID 3471 Estimated Volumes**

**Context ID 3471**
**Estimated Volumes**

**Type: Extensible Version: 20040614**



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121216 | Volume estimated from single 2D region |
| DCM | 121218 | Volume estimated from two non-coplanar 2D regions |

**CID 3472 Contraction Phase**

**Context ID 3472**
**Contraction Phase**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | F-32020 | Systolic |
| DCM | F-32010 | Diastolic |

**CID 3480 IVUS Procedure Phases**

This context group outlines the phases of a catheterization procedure in which measurements are performed.

**Context ID 3480**

**IVUS Procedure Phases**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | G-7298 | Cardiac catheterization post-intervention phase |
| SRT | G-7296 | Cardiac catheterization pre-intervention phase |

**CID 3481 IVUS Distance Measurements**

This context group is the set of distance measurements made in an IVUS procedure.

**Context ID 3481**

**IVUS Distance Measurements**

**Type: Extensible Version: 20050110**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122330 | EEM Diameter |
| SRT | G-0364 | Vessel lumen diameter |
| SRT | R-101AD | Stent Diameter |
| DCM | 122331 | Plaque Plus Media Thickness |
| DCM | 122332 | Lumen Perimeter |



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**CID 3482 IVUS Area Measurements**

This context group is the set of cross-sectional area measurements made in an IVUS procedure.

**Context ID 3482**

**IVUS Area Measurements**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122333 | EEM Cross-Sectional Area |
| SRT | G-0366 | Vessel lumen cross-sectional area |
| SRT | R-101AF | Stent Cross-Sectional Area |
| DCM | 122334 | Plaque plus Media Cross-Sectional Area |
| DCM | 122335 | In-Stent Neointimal Cross-Sectional Area |

**CID 3483 IVUS Longitudinal Measurements**

This context group is a set of measurements that are made on a longitudinal image. A longitudinal image is a perpendicular cut plane reconstructed from an IVUS pullback multi-frame image.

**Context ID 3483**

**IVUS Longitudinal Measurements**

**Type: Extensible Version: 20050110**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | R-101B0 | Stent Length |
| SRT | R-101BC | Stenotic Lesion Length |
| DCM | 122341 | Calcium Length |
| DCM | 122364 | Stent Gap |

**CID 3484 IVUS Indices and Ratios**

This context group is the set of index and ratio calculations made in an IVUS procedure.

**Context ID 3484**

**IVUS Indices and Ratios**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122343 | Lumen Eccentricity Index |
| DCM | 122344 | Plaque plus Media Eccentricity Index |
| DCM | 122345 | Remodeling Index |
| DCM | 122346 | Stent Symmetry Index |
| DCM | 122347 | Stent Expansion Index |
| DCM | 122348 | Lumen Shape Index |
| DCM | 122350 | Lumen Diameter Ratio |



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| | | |
|---|---|---|
| DCM | 122351 | Stent Diameter Ratio |
| DCM | 122352 | EEM Diameter Ratio |

**CID 3485 IVUS Volume Measurements**

This context group is the set of volume measurements made from an IVUS procedure.

**Context ID 3485**

**IVUS Volume Measurements**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122371 | EEM Volume |
| DCM | 122372 | Lumen Volume |
| SRT | R-101B2 | Stent Volume |
| DCM | 122374 | In-Stent Neointimal Volume |
| DCM | 122375 | Native Plaque Volume |
| DCM | 122376 | Total Plaque Volume |

**CID 3486 Vascular Measurement Sites**

This context group is the set of sites where vascular measurements can be made.

**Context ID 3486**

**Vascular Measurement Sites**

**Type: Extensible Version: 20051103**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122380 | Proximal Reference |
| DCM | 122381 | Distal Reference |
| DCM | 122382 | Site of Lumen Minimum |
| DCM | 122687 | Site of Lumen Maximum |

**CID 3487 IVUS Volumetric Regions**

This context group is the set of regions where IVUS volumetric measurements can be made.

**Context ID 3487**

**IVUS Volumetric Regions**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122383 | Stented Region |
| DCM | 122384 | Entire Pullback |
| DCM | 122385 | Proximal Stent Margin |



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|---|---|---|
| DCM | 122386 | Distal Stent Margin |
| SRT | M-01000 | Lesion |

**CID 3488 Min/Max/Mean**

This context group contains modifiers that indicate whether the measurement is a minimum, maximum or averaged value.

**Context ID 3488**

**Min/Max/Mean**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | G-A437 | Maximum |
| SRT | R-404FB | Minimum |
| SRT | R-00317 | Mean |

**CID 3489 Calcium Distribution**

This context group is a set of modifiers specifying the distribution of a calcium deposit in an arc of calcium measurement.

**Context ID 3489**

**Calcium Distribution**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | G-A139 | Superficial |
| SRT | G-A140 | Deep |

**CID 3491 IVUS Lesion Morphologies**

This context group is a set of qualitative assessments for lesion morphology.

**Context ID 3491**

**IVUS Lesion Morphologies**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| Include CID 3495 | | |
| DCM | 122356 | Soft plaque |
| DCM | 122357 | In-Stent Neointima |
| SRT | D3-80027 | Arterial (True) Aneurysm |
| SRT | M-32390 | Pseudo Aneurysm |
| DCM | 122361 | False Lumen |



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|---|---|---|
| SRT | R-4047B | Concentric |
| SRT | R-40416 | Eccentric |
| SRT | M-52103 | Plaque Ulceration |
| DCM | 122363 | Plaque Rupture |
| DCM | 122389 | Vulnerable Plaque |
| DCM | 122390 | Eroded Plaque |

**CID 3492 Vascular Dissection Classifications**

This context group is a set of dissection classifications commonly detected with IVUS or CT/MR angiography.

**Context ID 3492**

**Vascular Dissection Classifications**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | R-101B7 | Medial Dissection |
| SRT | R-101B8 | Intimal Dissection |
| SRT | R-101B9 | Adventitial Dissection |
| SRT | M-35063 | Intramural hematoma |
| DCM | 122388 | Intra-stent Dissection |

**CID 3493 IVUS Relative Stenosis Severities**

This context group is a set of stenosis severity classifications for multiple lesions within a segment. There will always be a worst stenosis (T-1), the stenosis with the smallest lumen size.

There can be multiple secondary stenoses (T-2, T-3, etc.), which are lesions meeting the definition of a stenosis, but with lumen sizes larger than the worst stenosis. Reference *"American College of Cardiology Clinical Expert Consensus Document on Standards for Acquisition, Measurement and Reporting of Intravascular Ultrasound Studies (IVUS)"*.

**Context ID 3493**

**IVUS Relative Stenosis Severities**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122367 | T-1 Worst |
| DCM | 122368 | T-2 Secondary |
| DCM | 122369 | T-3 Secondary |
| DCM | 122370 | T-4 Secondary |



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**CID 3494 IVUS Non Morphological Findings**

**Context ID 3494**

**IVUS Non Morphological Findings**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| DCM | 122360 | True Lumen |
| SRT | R-101B3 | Arterial Blood Stasis |
| SRT | R-101B5 | Incomplete Stent apposition |
| SRT | R-101B6 | Acquired Incomplete stent apposition |

**CID 3495 IVUS Plaque Composition**

This context group is a set of qualitative assessments defining the composition of plaque.

**Context ID 3495**

**IVUS Plaque Composition**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | M-78260 | Fibrous Plaque |
| SRT | D6-34737 | Vascular Calcification |
| SRT | M-35001 | Thrombus |
| DCM | 122394 | Fibro-Lipidic Plaque |
| DCM | 122395 | Necrotic-Lipidic Plaque |

**CID 3496 IVUS Fiducial Points**

This context group is a set of fiducial points (anatomical markers). Fiducial points are used as identifiable axial landmarks in determining the location of a measurement in a vessel.

**Context ID 3496**

**IVUS Fiducial Points**

**Type: Extensible Version: 20040614**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| SRT | G-035D | Collateral Branch of vessel |
| SRT | A-25500 | Stent |
| SRT | D6-34737 | Vascular Calcification |
| SRT | M-78260 | Fibrous Plaque |
| SRT | T-48000 | Vein |
| SRT | G-036A | Vessel Origin |



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**CID 3497 IVUS Arterial Morphology**

**Context ID 3497**
**IVUS Arterial Morphology**

**Type: Extensible Version: 20050110**

| Coding Scheme | Code Value | Code Meaning |
|---|---|---|
| SRT | T-41100 | Lumen of artery |
| SRT | R-102AE | External Elastic Membrane |
| *Include CID 3495* | | |

**CID 3500 Pressure Units**

**Context ID 3500**
**Pressure Units**
**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| UCUM | mm[Hg] | mmHg |
| UCUM | Kpa | kPa |

**CID 3502 Hemodynamic Resistance Units**

**Context ID 3502**
**Hemodynamic Resistance Units**
**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| UCUM | [PRU] | Wood units |
| UCUM | dyn.s.cm-5 | dyn.s.cm-5 |

**CID 3503 Indexed Hemodynamic Resistance Units**

**Context ID 3503**
**Indexed Hemodynamic Resistance Units**
**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| UCUM | [PRU].m2 | Wood units * m2 |
| UCUM | dyn.s.cm-5.m2 | dyn.s.cm-5 * m2 |

**CID 3510 Catheter Size Units**

**Context ID 3510**
**Catheter Size Units**
**Type: Extensible Version: 20030327**

- Standard -

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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| UCUM | [Ch] | French |
| UCUM | Mm | mm |

**CID 3515 Specimen Collection**

**Context ID 3515**
**Specimen Collection**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P3-02000 | specimen collection |
| SRT | PA-20110 | collection of blood specimen for laboratory |
| SRT | PA-2011E | blood sampling from extracorporeal blood circuit |

**CID 3520 Blood Source Type**

**Context ID 3520**
**Blood Source Type**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00376 | Systemic Artery Blood |
| SRT | T-C2007 | Mixed Venous Blood |
| SRT | R-0035B | Pulmonary Artery Blood |
| SRT | R-0035E | Pulmonary Vein Blood |

**CID 3524 Blood Gas Pressures**

**Context ID 3524**
**Blood Gas Pressures**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 11557-6 | Blood Carbon dioxide partial pressure |
| LN | 2019-8 | Arterial Blood Carbon dioxide partial pressure |
| LN | 2021-4 | Venous Blood Carbon dioxide partial pressure |
| LN | 11556-8 | Blood Oxygen partial pressure |
| LN | 2703-7 | Arterial Oxygen partial pressure |
| LN | 2705-2 | Venous Oxygen partial pressure |



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|---|---|---|
| LN | 19217-9 | Oxygen partial pressure at 50% saturation (P50) |
| LN | 19214-6 | Arterial Oxygen partial pressure at 50% saturation |
| LN | 19216-1 | Venous Oxygen partial pressure at 50% saturation |

**CID 3525 Blood Gas Content**

**Context ID 3525**
**Blood Gas Content**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 20565-8 | Blood Carbon dioxide content |
| LN | 2026-3 | Arterial Blood Carbon dioxide content |
| LN | 2027-1 | Venous Blood Carbon dioxide content |
| DCM | 122185 | Blood Oxygen content |
| LN | 19218-7 | Arterial Oxygen content |
| LN | 19220-3 | Venous Oxygen content |
| LN | 10232-7 | Aortic Root Oxygen content |
| LN | 10245-9 | Pulmonary Artery Main Oxygen content |
| LN | 10247-5 | Pulmonary Wedge Oxygen content |

**CID 3526 Blood Gas Saturation**

**Context ID 3526**
**Blood Gas Saturation**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122187 | Blood Carbon dioxide saturation |
| LN | 20564-1 | Blood Oxygen saturation |
| LN | 2708-6 | Arterial Oxygen saturation |
| LN | 2711-0 | Venous Oxygen saturation |
| LN | 2709-4 | Capillary Blood Oxygen Saturation |
| LN | 2710-2 | Capillary Blood Oxygen Saturation, by Oximetry |

**CID 3527 Blood Base Excess**

**Context ID 3527**
**Blood Base Excess**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 11555-0 | Blood Base Excess |
| LN | 1925-7 | Arterial Blood Base Excess |
| LN | 1927-3 | Venous Blood Base Excess |

**CID 3528 Blood pH**

**Context ID 3528**
**Blood pH**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 11558-4 | Blood pH |
| LN | 2744-1 | Arterial Blood pH |
| LN | 2746-6 | Venous Blood pH |

**CID 3529 Arterial / Venous Content**

**Context ID 3529**
**Arterial / Venous Content**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 19218-7 | Arterial Content (FCa) |
| LN | 19220-3 | Venous Content (FCv) |
| DCM | 122188 | Pulmonary Arterial Content (FCpa) |
| DCM | 122189 | Pulmonary Venous Content (FCpv) |

**CID 3530 Oxygen Administration Actions**

**Context ID 3530**
**Oxygen Administration Actions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121161 | Begin oxygen administration |
| DCM | 121162 | End oxygen administration |



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**CID 3531 Oxygen Administration**

**Context ID 3531**
**Oxygen Administration**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-0034A | Oxygen Administration by nasal canula |
| SRT | R-00349 | Oxygen Administration by mask |
| DCM | 121163 | Oxygen Administration by ventilator |

**CID 3550 Circulatory Support Actions**

**Context ID 3550**
**Circulatory Support Actions**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121157 | Begin Circulatory Support |
| DCM | 121158 | End Circulatory Support |

**CID 3551 Ventilation Actions**

**Context ID 3551**
**Ventilation Actions**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121168 | Begin Ventilation |
| DCM | 121169 | End Ventilation |

**CID 3552 Pacing Actions**

**Context ID 3552**
**Pacing Actions**

**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 121166 | Begin Pacing |
| DCM | 121167 | End Pacing |

**CID 3553 Circulatory Support**

**Context ID 3553**
**Circulatory Support**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | A-28051 | Intra-Aortic Balloon Pump |
| SRT | R-00303 | External Counter-Pulsation |
| SRT | A-11FCD | Left Ventricular Assist Device |
| SRT | P2-77110 | Extra-corporeal circulation |
| SRT | P1-36858 | Cardiopulmonary bypass |

**CID 3554 Ventilation**

**Context ID 3554**
**Ventilation**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002CC | Ambu Bag |
| SRT | R-00359 | Pressure Support Ventilator |
| SRT | R-0038C | Volume Support Ventilator |

**CID 3555 Pacing**

**Context ID 3555**
**Pacing**

**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P2-35000 | Pacing |
| SRT | R-00315 | pacing with magnet |
| SRT | P2-35200 | atrial pacing |
| SRT | P2-35002 | ventricular pacing |
| SRT | R-002D9 | A-V sequential pacing |
| SRT | P2-35440 | temporary transcutaneous pacing |

**CID 3560 Blood Pressure Methods**

**Context ID 3560**
**Blood Pressure Methods**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00318 | Blood pressure cuff method |

**CID 3600 Relative times**

**Context ID 3600**
**Relative times**

**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-407E0 | Before |
| SRT | R-407E1 | During |
| SRT | R-42517 | After |

**CID 3602 Hemodynamic Patient State**

**Context ID 3602**
**Hemodynamic Patient State**

**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | F-01602 | Baseline state |
| SRT | F-10340 | Supine body position |
| SRT | F-01604 | Resting state |
| SRT | F-01606 | Exercise state |
| SRT | F-01608 | Post-exercise state |

**CID 3604 Arterial lesion locations**

**Context ID 3604**
**Arterial lesion locations**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| INCLUDE CID 3015 Coronary Arteries | | |
| INCLUDE CID 3606 Arterial source locations | | |

**CID 3606 Arterial source locations**

**Context ID 3606**
**Arterial source locations**
**Type: Extensible Version: 20061024**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-42500 | Abdominal aorta |
| SRT | T-45530 | anterior communicating artery |
| SRT | T-45730 | anterior spinal artery |
| SRT | T-42000 | Aorta |
| SRT | T-42300 | Aortic Arch |
| SRT | D3-81922 | Aortic fistula |
| SRT | T-41000 | Artery |
| SRT | T-42100 | Ascending aorta |
| SRT | T-47100 | Axillary Artery |
| SRT | A-00203 | Baffle |
| SRT | T-45800 | basilar artery |
| SRT | T-47160 | Brachial artery |
| SRT | T-46010 | brachiocephalic trunk |
| SRT | T-45010 | Carotid Artery |



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|---|---|---|
| SRT | T-45510 | cerebral artery |
| SRT | T-45100 | Common carotid artery |
| SRT | T-43000 | Coronary Artery |
| SRT | T-42400 | Descending aorta |
| SRT | T-45240 | facial artery |
| SRT | T-47400 | Femoral artery |
| SRT | D4-32504 | Fistula coronary to left atrium |
| SRT | D4-32506 | Fistula coronary to left ventricle |
| SRT | D4-32508 | Fistula coronary to right atrium |
| SRT | D4-32510 | Fistula coronary to right ventricle |
| SRT | T-47490 | geniculate artery |
| SRT | T-46420 | Hepatic artery |
| SRT | T-46700 | Iliac artery |
| SRT | T-46010 | Innominate artery |
| SRT | T-45300 | internal carotid artery |
| SRT | T-46200 | Internal mammary artery |
| SRT | T-45410 | lactrimal artery |
| SRT | T-47651 | lateral plantar artery |
| SRT | T-44400 | Left pulmonary artery |
| SRT | T-45230 | lingual artery |
| SRT | T-46960 | lumbar artery |
| SRT | T-46500 | mesenteric artery |
| SRT | T-47661 | medial plantar artery |
| SRT | T-F7001 | Neo-aorta (primitive aorta) |
| SRT | T-F7040 | Neonatal pulmonary artery (primitive PA) |
| SRT | T-45250 | occipital artery |
| SRT | T-45400 | ophthalmic artery |
| SRT | D4-32012 | patent ductus arteriosus |
| SRT | T-47630 | peroneal artery |
| SRT | T-47500 | popliteal artery |
| SRT | T-45320 | posterior communicating artery |
| SRT | R-F5517 | Pulmonary arteriovenous fistula |
| SRT | T-44000 | Pulmonary artery |
| SRT | D4-33142 | Pulmonary artery conduit |
| SRT | R-00360 | Pulmonary vein wedge |
| SRT | T-47300 | radial artery |
| SRT | T-46600 | Renal artery |
| SRT | T-47410 | Right femoral artery |
| SRT | T-44200 | Right pulmonary artery |
| SRT | T-46100 | Subclavian Artery |
| SRT | T-45270 | superficial temporal artery |



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|---|---|---|
| SRT | T-45210 | superior thyroid artery |
| SRT | T-44007 | Systemic collateral Artery to lung |
| SRT | T-42070 | Thoracic aorta |
| SRT | T-4704C | tibial artery |
| SRT | D4-31400 | Truncus Arteriosus Communis |
| SRT | T-F1810 | Umbilical artery |
| SRT | T-45700 | Vertebral artery |

**CID 3607 Venous Source locations**

**Context ID 3607**
**Venous Source locations**
**Type: Extensible Version: 20061024**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-48503 | Anomalous pulmonary vein |
| SRT | T-49215 | Antecubital Vein |
| SRT | T-49110 | Axillary vein |
| SRT | T-48340 | Azygos vein |
| SRT | T-48052 | Basilic vein |
| SRT | T-49424 | Boyd perforating vein |
| SRT | T-49350 | Brachial vein |
| SRT | T-48003 | Central venous system |
| SRT | T-49240 | cephalic vein |
| SRT | T-49429 | Dodd perforating vein |
| SRT | T-49410 | Femoral vein |
| SRT | T-48820 | gastric vein |
| SRT | T-48720 | hepatic vein |
| SRT | T-4942A | Hunterian perforating vein |
| SRT | T-48710 | Inferior Vena cava |
| SRT | T-48620 | Innominate vein |
| SRT | T-48170 | Internal jugular vein |
| SRT | T-4884A | mesenteric vein |
| SRT | T-48810 | portal vein |
| SRT | T-49535 | posterior medial tributary |
| SRT | T-48500 | Pulmonary vein |
| SRT | D4-33512 | Pulmonary vein confluence |
| SRT | T-48740 | Renal vein |
| SRT | T-D930A | Saphenofemoral junction |
| SRT | T-49530 | Saphenous vein |
| SRT | T-48890 | splenic vein |



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|---|---|---|
| SRT | T-48330 | Subclavian vein |
| SRT | T-48610 | Superior vena cava |
| SRT | T-48817 | Umbilical vein |
| SRT | T-48000 | Vein |
| SRT | R-003AA | Vena anonyma |

**CID 3608 Atrial source locations**

**Context ID 3608**
**Atrial source locations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | A-00203 | Baffle |
| SRT | D4-31320 | Common atrium |
| SRT | T-32320 | Coronary sinus |
| SRT | D4-31052 | Juxtaposed appendage |
| SRT | T-32300 | Left atrium |
| SRT | G-DB27 | Pulmonary artery wedge |
| SRT | G-DB26 | Pulmonary capillary wedge |
| SRT | D4-33514 | Pulmonary venous atrium |
| SRT | T-32190 | Pulmonary chamber in cor triatriatum |
| SRT | T-32200 | Right Atrium |
| SRT | D4-33516 | Systemic venous atrium |

**CID 3609 Ventricular source locations**

**Context ID 3609**
**Ventricular source locations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-32400 | Common ventricle |
| SRT | T-32600 | Left ventricle |
| SRT | T-32602 | Left ventricle apex |
| SRT | T-32640 | Left ventricle inflow |
| SRT | D4-31022 | Left ventricle outflow chamber |
| SRT | T-32650 | Left ventricle outflow tract |
| SRT | T-32500 | Right ventricle |
| SRT | T-32502 | Right ventricle apex |
| SRT | T-32540 | Right ventricle inflow |



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|---|---|---|
| SRT | D4-31032 | Right ventricle outflow chamber |
| SRT | T-32550 | Right ventricle outflow tract |

**CID 3610 Gradient Source Locations**

**Context ID 3610**
**Gradient Source Locations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-35300 | Mitral Valve |
| SRT | T-35400 | Aortic Valve |
| SRT | T-35100 | Tricuspid valve |
| SRT | T-35200 | Pulmonary valve |
| SRT | T-44000 | Pulmonary artery |
| SRT | T-32650 | Left ventricle outflow tract |
| SRT | T-32550 | Right ventricle outflow tract |
| SRT | D4-31150 | Ventricular Septal defect |
| SRT | D4-31220 | Atrial Septal defect |
| SRT | D4-32014 | Coarctation of aorta |

**CID 3611 Pressure Measurements**

**Context ID 3611**
**Pressure Measurements**
**Type: Extensible Version:** 20050322

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 109016 | A wave peak pressure |
| DCM | 122196 | C wave pressure |
| LN | 8462-4 | Intravascular diastolic blood pressure |
| SRT | F-00E22 | Average diastolic blood pressure |
| SRT | F-00E1F | Minimum diastolic blood pressure |
| DCM | 122191 | Ventricular End Diastolic pressure |
| DCM | 122197 | Gradient pressure, average |
| DCM | 122198 | Gradient pressure, peak |
| SRT | F-31150 | Mean blood pressure |
| DCM | 122199 | Pressure at dp/dt max |
| LN | 8480-6 | Intravascular Systolic Blood pressure |
| SRT | F-00E14 | Average systolic blood pressure |
| SRT | F-00E11 | Maximum systolic blood pressure |



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|---|---|---|
| DCM | 109034 | V wave peak pressure |
| DCM | 122208 | x-descent pressure |
| DCM | 122209 | y-descent pressure |
| DCM | 122210 | z-point pressure |

**CID 3612 Blood Velocity Measurements**

**Context ID 3612**
**Blood Velocity Measurements**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122201 | Diastolic blood velocity, mean |
| DCM | 122202 | Diastolic blood velocity, peak |
| DCM | 122203 | Systolic blood velocity, mean |
| DCM | 122204 | Systolic blood velocity, peak |
| DCM | 122205 | Blood velocity, mean |
| DCM | 122206 | Blood velocity, minimum |
| DCM | 122207 | Blood velocity, peak |

**CID 3613 Hemodynamic Time Measurements**

**Context ID 3613**
**Hemodynamic Time Measurements**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122182 | R-R interval |
| DCM | 109072 | Tau |
| DCM | 122211 | Left Ventricular ejection time |
| DCM | 122212 | Left Ventricular filling time |
| DCM | 122213 | Right Ventricular ejection time |
| DCM | 122214 | Right Ventricular filling time |
| DCM | 109071 | Indicator mean transit time |

**CID 3614 Valve Areas, non-Mitral**

**Context ID 3614**
**Valve Areas, non-Mitral**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | F-0231F | Aortic Valve Area |
| SRT | F-02321 | Pulmonic Valve Area |
| SRT | F-02322 | Tricuspid Valve Area |
| DCM | 122160 | Derived Non-Valve Area |

**CID 3615 Valve Areas**

**Context ID 3615**
**Valve Areas**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| Include CID 3614 Valve Areas, non-Mitral | | |
| SRT | F-02320 | Mitral Valve Area |

**CID 3616 Hemodynamic Period Measurements**

**Context ID 3616**
**Hemodynamic Period Measurements**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002D2 | Aortic Systolic Ejection Period (SEPa) |
| SRT | R-0035C | Pulmonary Systolic Ejection Period (SEPp) |
| SRT | R-0032C | Mitral Diastolic Filling Period (DFPm) |
| SRT | R-003A9 | Tricuspid Diastolic Filling Period (DFPt) |
| SRT | R-002F5 | Derived Period, Non-Valve |

**CID 3617 Valve Flows**

**Context ID 3617**
**Valve Flows**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002D3 | Aortic Valve Flow |
| SRT | R-0032D | Mitral Valve Flow |
| SRT | R-0035D | Pulmonary Valve Flow |



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|---|---|---|
| SRT | R-00385 | Tricuspid Valve Flow |
| SRT | R-00394 | Derived Flow, Non-Valve |

**CID 3618 Hemodynamic Flows**

**Context ID 3618**
**Hemodynamic Flows**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122161 | Pulmonary Flow |
| DCM | 122162 | Systemic Flow |

**CID 3619 Hemodynamic Resistance Measurements**

**Context ID 3619**
**Hemodynamic Resistance Measurements**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | F-03E86 | Pulmonary Vascular Resistance |
| SRT | F-03E7E | Systemic Vascular Resistance |
| DCM | 122215 | Total Pulmonary Resistance |
| DCM | 122216 | Total Vascular Resistance |

**CID 3620 Hemodynamic Ratios**

**Context ID 3620**
**Hemodynamic Ratios**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| LN | 8581-1 | Tibial/brachial index |
| SRT | F-0238B | Pulmonary/Systemic Flow Ratio |
| DCM | 122217 | Coronary Flow reserve |
| DCM | 122218 | Diastolic/Systolic velocity ratio |
| DCM | 122219 | Hyperemic ratio |
| SRT | F-031A2 | Pulsatility Index |
| DCM | 122220 | Hemodynamic Resistance Index |
| INCLUDE CID 3621 Fractional Flow Reserve | | |



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**CID 3621 Fractional Flow Reserve**

**Context ID 3621**
**Fractional Flow Reserve**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00307 | Fractional flow reserve |
| SRT | R-00308 | Fractional Flow Reserve using intracoronary bolus |
| SRT | R-00309 | Fractional Flow Reserve using intravenous infusion |

**CID 3627 Measurement Type**

**Context ID 3627**
**Measurement Type**
**Type: Extensible Version: 20060613**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002E1 | Best value |
| SRT | R-00317 | Mean |
| SRT | R-00319 | Median |
| SRT | R-0032E | Mode |
| SRT | R-00355 | Point source measurement |
| SRT | R-00353 | Peak to peak |
| SRT | R-41D27 | Visual estimation |
| SRT | R-10260 | Estimated |
| SRT | R-41D2D | Calculated |
| SRT | R-41D41 | Measured |

**CID 3628 Cardiac Output Methods**

**Context ID 3628**
**Cardiac Output Methods**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002E5 | Thermal Bath |
| SRT | R-002E7 | Thermal Inline |
| SRT | R-002E6 | Dye Dilution |



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**CID 3629 Procedure Intent**

**Context ID 3629**
**Procedure Intent**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-408C3 | Diagnostic Intent |
| SRT | R-41531 | Therapeutic Intent |
| SRT | R-002E9 | Combined Diagnostic and Therapeutic Procedure |

**CID 3630 Cardiovascular Anatomic Locations**

**Context ID 3630**
**Cardiovascular Anatomic Locations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| INCLUDE CID 3606 Arterial Source Locations | | |
| INCLUDE CID 3607 Venous Source Locations | | |
| INCLUDE CID 3608 Atrial Source Locations | | |
| INCLUDE CID 3609 Ventricular Source Locations | | |
| INCLUDE CID 3610 Gradient Source Locations | | |

**CID 3640 Hypertension**

**Context ID 3640**
**Hypertension**
**Type: Extensible Version: 20040920**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | D3-40300 | Pulmonary hypertension |
| SRT | D3-02000 | Systemic arterial hypertension |

**CID 3641 Hemodynamic Assessments**

**Context ID 3641**
**Hemodynamic Assessments**
**Type: Extensible Version: 20040920**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | F-03E0D | Left Ventricular Systolic Pressure |
| SRT | F-03E0E | Left Ventricular End-Diastolic Pressure |



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|---|---|---|
| SRT | F-0212C | Pulmonary Artery Pressure |
| SRT | F-03E86 | Pulmonary Vascular Resistance |
| SRT | F-31146 | Pulmonary Capillary Wedge Pressure |
| SRT | F-03DFE | Right Ventricular Systolic Pressure |
| SRT | F-03E02 | Right Ventricular End-Diastolic Pressure |
| SRT | F-03DE9 | Right Atrial Pressure |
| SRT | F-39790 | Vascular Resistance |
| SRT | F-31120 | Diastolic Pressure |

**CID 3642 Degree Findings**

**Context ID 3642**
**Degree Findings**
**Type: Extensible Version: 20040920**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A316 | Decreased |
| SRT | G-A373 | Elevated |
| SRT | G-A37A | Severely Elevated |
| SRT | R-40765 | Normal Range |

**CID 3651 Hemodynamic Measurement Phase**

This context group is a subset of CID 3250.

**Context ID 3651**
**Hemodynamic Measurement Phase**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-7293 | Cardiac catheterization baseline phase |
| SRT | G-729B | Cardiac catheterization post contrast phase |
| SRT | G-7298 | Cardiac catheterization post-intervention phase |
| SRT | G-929D | Cardiac catheterization test/challenging phase |
| SRT | R-002E3 | Cardiac catheterization gradient assessment phase |
| SRT | P2-71317 | Drug Infusion Challenge |
| SRT | P2-71310 | Exercise challenge |
| SRT | F-01604 | Resting State |



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**CID 3663 Body Surface Area Equations**

**Context ID 3663**
**Body Surface Area Equations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122240 | BSA = 0.003207*WT^(0.7285-0.0188 log (WT))*HT^0.3 |
| DCM | 122241 | BSA = 0.007184*WT^0.425*HT^0.725 |
| DCM | 122242 | BSA = 0.0235*WT^0.51456*HTcm^0.42246 |
| DCM | 122243 | BSA = 0.024265*WT^0.5378*HTcm^0.3964 |
| DCM | 122244 | BSA = (HT * WT/36)^0.5 |

**CID 3664 Oxygen Consumption Equations and Tables**

**Context ID 3664**
**Oxygen Consumption Equations and Tables**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122247 | VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf) |
| DCM | 122248 | VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf) |
| DCM | 122249 | VO2 = VeSTPD * 10 * (FIO2 - FE02) |
| DCM | 122250 | VO2 = 152 * BSA |
| DCM | 122251 | VO2 = 175 * BSA |
| DCM | 122252 | VO2 = 176 * BSA |
| DCM | 122253 | Robertson & Reid table |
| DCM | 122254 | Fleisch table |
| DCM | 122255 | Boothby table |

**CID 3666 P50 Equations**

**Context ID 3666**
**P50 Equations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122256 | if (prem age< 3days) P50= 19.9 |
| DCM | 122257 | if (age < 1day) P50= 21.6 |
| DCM | 122258 | if (age < 30day) P50= 24.6 |
| DCM | 122259 | if (age < 18y) P50= 27.2 |



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|---|---|---|
| DCM | 122260 | if (age < 40y) P50= 27.4 |
| DCM | 122261 | if (age > 60y) P50= 29.3 |

**CID 3667 Framingham Scores**

**Context ID 3667**
**Framingham Scores**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122230 | 10 Year CHD Risk |
| DCM | 122231 | Comparative Average 10 Year CHD Risk |
| DCM | 122232 | Comparative Low 10 Year CHD Risk |

**CID 3668 Framingham Tables**

**Context ID 3668**
**Framingham Tables**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122233 | LDL Cholesterol Score Sheet for Men |
| DCM | 122234 | LDL Cholesterol Score Sheet for Women |
| DCM | 122235 | Total Cholesterol Score Sheet for Men |
| DCM | 122236 | Total Cholesterol Score Sheet for Women |

**CID 3670 ECG Procedure Types**

**Context ID 3670**
**ECG Procedure Types**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P2-3120A | 12-Lead ECG |
| DCM | 122062 | 15-Lead ECG |



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**CID 3671 Reason for ECG Exam**

**Context ID 3671**
**Reason for ECG Exam**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00300 | Emergency |
| SRT | P1-00410 | Pre-Surgery |
| SRT | R-00348 | Outpatient |
| SRT | R-0035A | Cardiac Care Unit |
| SRT | P2-10700 | Emergency Department |
| SRT | R-00302 | Murmur |
| SRT | R-0036E | Routine |

**CID 3672 Pacemakers**

**Context ID 3672**
**Pacemakers**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.3.2.6-PAVVI | VVI pacemaker |
| SCPECG | 1.3 | D.3.2.6-PAAAI | AAI pacemaker |
| SCPECG | 1.3 | D.3.2.6-PAVAT | VAT pacemaker |
| SCPECG | 1.3 | D.3.2.6-PAVDD | VDD pacemaker |
| SCPECG | 1.3 | D.3.2.6-PADVI | DVI pacemaker |
| SCPECG | 1.3 | D.3.2.6-PADDD | DDD pacemaker |

**CID 3673 Diagnosis**

**Context ID 3673**
**Diagnosis**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.4.5-32-1 | Apparently healthy |
| SCPECG | 1.3 | 5.4.5-32-10 | Acute myocardial infarction |
| SCPECG | 1.3 | 5.4.5-32-11 | Myocardial infarction |



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|---|---|---|---|
| SCPECG | 1.3 | 5.4.5-32-12 | Previous myocardial infarction |
| SCPECG | 1.3 | 5.4.5-32-15 | Ischemic heart disease |
| SCPECG | 1.3 | 5.4.5-32-18 | Peripheral vascular disease |
| SCPECG | 1.3 | 5.4.5-32-20 | Cyanotic congenital heart disease |
| SCPECG | 1.3 | 5.4.5-32-21 | Acyanotic congenital heart disease |
| SCPECG | 1.3 | 5.4.5-32-22 | Valvular heart disease |
| SCPECG | 1.3 | 5.4.5-32-25 | Hypertension |
| SCPECG | 1.3 | 5.4.5-32-27 | Cerebrovascular accident |
| SCPECG | 1.3 | 5.4.5-32-30 | Cardiomyopathy |
| SCPECG | 1.3 | 5.4.5-32-35 | Pericarditis |
| SCPECG | 1.3 | 5.4.5-32-36 | Myocarditis |
| SCPECG | 1.3 | 5.4.5-32-40 | Post-operative cardiac surgery |
| SCPECG | 1.3 | 5.4.5-32-42 | Implanted cardiac pacemaker |
| SCPECG | 1.3 | 5.4.5-32-45 | Pulmonary embolism |
| SCPECG | 1.3 | 5.4.5-32-50 | Respiratory disease |
| SCPECG | 1.3 | 5.4.5-32-55 | Endocrine disease |
| SCPECG | 1.3 | 5.4.5-32-60 | Neurological disease |
| SCPECG | 1.3 | 5.4.5-32-65 | Alimentary disease |
| SCPECG | 1.3 | 5.4.5-32-70 | Renal Disease |
| SCPECG | 1.3 | 5.4.5-32-80 | Pre-operative general surgery |
| SCPECG | 1.3 | 5.4.5-32-81 | Post-operative general surgery |
| SCPECG | 1.3 | 5.4.5-32-90 | General medical |
| SCPECG | 1.3 | 5.4.5-32-100 | Other |

**CID 3675 Other Filters**

**Context ID 3675**
**Other Filters**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.4.5-29-0 | 60 Hertz notch filter |
| SCPECG | 1.3 | 5.4.5-29-1 | 50 Hertz notch filter |
| SCPECG | 1.3 | 5.4.5-29-2 | Artifact filter |
| SCPECG | 1.3 | 5.4.5-29-3 | Baseline filter |

**CID 3676 Lead Measurement Technique**

**Context ID 3676**
**Lead Measurement Technique**

- Standard -

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**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-002DA | Averaged |
| SRT | R-0036D | Routine |
| SRT | R-00319 | Median |
| SRT | R-0036A | Representative |
| SRT | R-00373 | Single Beats |

**CID 3677 Summary Codes ECG**

**Context ID 3677**
**Summary Codes ECG**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.3.2-NORM | Normal ECG |
| SCPECG | 1.3 | D.3.2-ABECG | Abnormal ECG |
| SCPECG | 1.3 | D.3.2-BOECG | Borderline Normal ECG |

**CID 3678 QT Correction Algorithms**

**Context ID 3678**
**QT Correction Algorithms**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.10.2.5-7-1 | Bazett QT Correction Algorithm |
| SCPECG | 1.3 | 5.10.2.5-7-2 | Hodges QT Correction Algorithm |
| SCPECG | 1.3 | 5.10.2.5-7-3 | Other QT Correction Algorithm |

**CID 3679 ECG Morphology Descriptions**

**Context ID 3679**
**ECG Morphology Descriptions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.13.5.1-0 | Unknown |



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|---|---|---|---|
| SCPECG | 1.3 | 5.13.5.1-1 | Positive |
| SCPECG | 1.3 | 5.13.5.1-2 | Negative |
| SCPECG | 1.3 | 5.13.5.1-3 | positive/negative |
| SCPECG | 1.3 | 5.13.5.1-4 | negative/positive |
| SCPECG | 1.3 | 5.13.5.1-5 | positive/negative/positive |
| SCPECG | 1.3 | 5.13.5.1-6 | negative/positive/negative |
| SCPECG | 1.3 | 5.13.5.1-7 | notched M-shaped |
| SCPECG | 1.3 | 5.13.5.1-8 | notched W-shaped |

**CID 3680 ECG Lead Noise Descriptions**

**Context ID 3680**
**ECG Lead Noise Descriptions**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.13.5.2-0 | AC (mains) noise |
| SCPECG | 1.3 | 5.13.5.2-2 | overrange |
| SCPECG | 1.3 | 5.13.5.2-4 | wander |
| SCPECG | 1.3 | 5.13.5.2-6 | tremor or muscle artifact |
| SCPECG | 1.3 | 5.13.5.2-8 | spikes or sudden jumps |
| SCPECG | 1.3 | 5.13.5.2-10 | electrode loose or off |
| SCPECG | 1.3 | 5.13.5.2-12 | pacemaker |
| SCPECG | 1.3 | 5.13.5.2-14 | interchanged lead |

**CID 3681 ECG Lead Noise Modifiers**

**Context ID 3681**
**ECG Lead Noise Modifiers**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5-13-5-2-0 | None |
| SCPECG | 1.3 | 5-13-5-2-1 | Moderate |
| SCPECG | 1.3 | 5-13-5-2-2 | Severe |
| SCPECG | 1.3 | 5-13-5-2-3 | Unknown |



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**CID 3682 Probability**

**Context ID 3682**
**Probability**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.2.2-DE | definite |
| SCPECG | 1.3 | D.2.2-PR | probable |
| SCPECG | 1.3 | D.2.2-PS | possible |
| SCPECG | 1.3 | D.2.2-CE | rule out/cannot exclude |
| SCPECG | 1.3 | D.2.2-CO | consider |
| SCPECG | 1.3 | D.2.2-SS | strongly suggestive |
| SCPECG | 1.3 | D.2.2-CW | consistent with |
| SCPECG | 1.3 | D.2.2-UN | unknown |

**CID 3683 Modifiers**

**Context ID 3683**
**Modifiers**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.2.3-AB | abnormal |
| SCPECG | 1.3 | D.2.3-AC | acute |
| SCPECG | 1.3 | D.2.3-AF | antero-inferior |
| SCPECG | 1.3 | D.2.3-AI | age indeterminate |
| SCPECG | 1.3 | D.2.3-AL | anterolateral |
| SCPECG | 1.3 | D.2.3-AN | anterior |
| SCPECG | 1.3 | D.2.3-AS | anteroseptal |
| SCPECG | 1.3 | D.2.3-AT | atrial |
| SCPECG | 1.3 | D.2.3-AU | age undetermined |
| SCPECG | 1.3 | D.2.3-BA | basal |
| SCPECG | 1.3 | D.2.3-BA | borderline abnormal |
| SCPECG | 1.3 | D.2.3-BN | borderline normal |
| SCPECG | 1.3 | D.2.3-BO | borderline |
| SCPECG | 1.3 | D.2.3-CP | complete |
| SCPECG | 1.3 | D.2.3-DI | diffuse |
| SCPECG | 1.3 | D.2.3-EL | compatible with electrolyte abnormalities |
| SCPECG | 1.3 | D.2.3-EV | evolving |



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|---|---|---|---|
| SCPECG | 1.3 | D.2.3-EX | extensive |
| SCPECG | 1.3 | D.2.3-HL | high lateral |
| SCPECG | 1.3 | D.2.3-IC | incomplete |
| SCPECG | 1.3 | D.2.3-IL | inferolateral |
| SCPECG | 1.3 | D.2.3-IN | inferior |
| SCPECG | 1.3 | D.2.3-IP | inferoposterior |
| SCPECG | 1.3 | D.2.3-LA | lateral |
| SCPECG | 1.3 | D.2.3-LV | compatible with left ventricular strain |
| SCPECG | 1.3 | D.2.3-MA | major |
| SCPECG | 1.3 | D.2.3-MD | compatible with myocardial ischemic damage |
| SCPECG | 1.3 | D.2.3-MI | minor |
| SCPECG | 1.3 | D.2.3-MO | moderate |
| SCPECG | 1.3 | D.2.3-ND | nodal |
| SCPECG | 1.3 | D.2.3-NO | within normal limits |
| SCPECG | 1.3 | D.2.3-NX | may be normal variant |
| SCPECG | 1.3 | D.2.3-OL | old |
| SCPECG | 1.3 | D.2.3-PE | compatible with pericarditis |
| SCPECG | 1.3 | D.2.3-PL | posterolateral |
| SCPECG | 1.3 | D.2.3-PO | posterior |
| SCPECG | 1.3 | D.2.3-RE | recent |
| SCPECG | 1.3 | D.2.3-SE | septal |
| SCPECG | 1.3 | D.2.3-SI | sinus |
| SCPECG | 1.3 | D.2.3-SN | subendocardial |
| SCPECG | 1.3 | D.2.3-SP | subepicardial |
| SCPECG | 1.3 | D.2.3-SU | subacute |
| SCPECG | 1.3 | D.2.3-SV | supraventricular |
| SCPECG | 1.3 | D.2.3-TY | typical |
| SCPECG | 1.3 | D.2.3-VE | ventricular |
| SCPECG | 1.3 | D.2.3-WI | widespread |
| SCPECG | 1.3 | D.2.3-XA | probably acute (recent) |
| SCPECG | 1.3 | D.2.3-XO | probably old |
| SCPECG | 1.3 | D.2.3-YA | possibly acute (recent) |
| SCPECG | 1.3 | D.2.3-YO | possibly old |
| SCPECG | 1.3 | D.2.3-YT | atypical |

**CID 3684 Trend**

**Context ID 3684**
**Trend**
**Type: Extensible Version: 20030327**

- Standard -

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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.2.3-4-SE | serial changes consistent with... |
| SCPECG | 1.3 | D.2.3-4-CC | continuing changes of... |
| SCPECG | 1.3 | D.2.3-4-OC | occasional |
| SCPECG | 1.3 | D.2.3-4-IM | intermittent |
| SCPECG | 1.3 | D.2.3-4-TE | temporary |
| SCPECG | 1.3 | D.2.3-4-EV | evolving |
| SCPECG | 1.3 | D.2.3-4-NE | new |
| SCPECG | 1.3 | D.2.3-4-MU | multiple |
| SCPECG | 1.3 | D.2.3-4-TR | transient |
| SCPECG | 1.3 | D.2.3-4-UF | unifocal |
| SCPECG | 1.3 | D.2.3-4-MF | multifocal |
| SCPECG | 1.3 | D.2.3-4-FR | frequent |

**CID 3685 Conjunctive Terms**

**Context ID 3685**
**Conjunctive Terms**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.2.5-1-AND | and |
| SCPECG | 1.3 | D.2.5-1-OR | or |
| SCPECG | 1.3 | D.2.5-1-NOT | not |
| SCPECG | 1.3 | D.2.5-1-XOR | exclusive or |
| SCPECG | 1.3 | D.2.5-3-SER | serial changes of |
| SCPECG | 1.3 | D.2.5-3-DEC | decreased in comparison to previous ECG |
| SCPECG | 1.3 | D.2.5-3-INC | increased in comparison to previous ECG |
| SCPECG | 1.3 | D.2.5-3-UNC | unchanged in comparison to previous ECG |
| SCPECG | 1.3 | D.2.5-3-CHG | changed in comparison to previous ECG |
| SCPECG | 1.3 | D.2.5-3-DIS | disappeared in comparison to previous ECG |
| SCPECG | 1.3 | D.2.5-3-REP | replaced statement reported previously |
| SCPECG | 1.3 | D.2.5-3-IMP | improved (compared to) |
| SCPECG | 1.3 | D.2.5-3-WRS | worse (compared to) |
| SCPECG | 1.3 | D.2.5-4-RES | results in, or causes |
| SCPECG | 1.3 | D.2.5-4-SEC | is secondary to |
| SCPECG | 1.3 | D.2.5-4-ASS | is associated with |
| SCPECG | 1.3 | D.2.5-4-EXC | exclude, rule out, or consider also |
| SCPECG | 1.3 | D.2.5-4-WTH | with |



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|---|---|---|---|
| SCPECG | 1.3 | D.2.5-4-ALT | alternating with |

**CID 3686 ECG Interpretive Statements**

**Context ID 3686**
**ECG Interpretive Statements**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | D.3-SVPCS | (multiple) supraventricular premature complexes |
| SCPECG | 1.3 | D.3-B2T1 | (predominant) 2:1 block |
| SCPECG | 1.3 | D.3-C2T1 | (predominant) 2:1 conduction |
| SCPECG | 1.3 | D.3-B351 | (predominant) 3:1 block |
| SCPECG | 1.3 | D.3-C3T1 | (predominant) 3:1 conduction |
| SCPECG | 1.3 | D.3-B4T1 | (predominant) 4:1 block |
| SCPECG | 1.3 | D.3-C4T1 | (predominant) 4:1 conduction |
| SCPECG | 1.3 | D.3-B5T1 | (predominant) 5:1 block |
| SCPECG | 1.3 | D.3-C5T1 | (predominant) 5:1 conduction |
| SCPECG | 1.3 | D.3-PAAAI | AAI pacemaker |
| SCPECG | 1.3 | D.3-ABSVC | aberrant complex, possibly supraventricular origin |
| SCPECG | 1.3 | D.3-ABSVS | aberrant complexes, possibly supraventricular origin |
| SCPECG | 1.3 | D.3-ABBCO | aberrant conduction |
| SCPECG | 1.3 | D.3-ABPCS | aberrant premature complexes, origin unknown |
| SCPECG | 1.3 | D.3-ABASH | aberrant supraventricular complexes, Ashman type |
| SCPECG | 1.3 | D.3-ABER | aberrantly conducted complex(es) |
| SCPECG | 1.3 | D.3-ABECG | abnormal ECG |
| SCPECG | 1.3 | D.3-ABFA | abnormal for age |
| SCPECG | 1.3 | D.3-ABFB | abnormal for build |
| SCPECG | 1.3 | D.3-ABPAX | abnormal P-axis |
| SCPECG | 1.3 | D.3-ABQRS | abnormal QRS |
| SCPECG | 1.3 | D.3-ABRPR | abnormal R-wave progression |
| SCPECG | 1.3 | D.3-ABSTT | abnormal ST-T |
| SCPECG | 1.3 | D.3-ACAR | accelerated atrial rhythm |
| SCPECG | 1.3 | D.3-AAVCO | accelerated AV conduction |
| SCPECG | 1.3 | D.3-ACJR | accelerated junctional rhythm |
| SCPECG | 1.3 | D.3-ACVR | accelerated ventricular rhythm |
| SCPECG | 1.3 | D.3-AHERR | acquisition/hardware error |
| SCPECG | 1.3 | D.3-DSCAL | all leads double standard calibration (i.e. 20 mm/mV) |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-HSCAL | all leads half standard calibration (i.e. 5 mm/mV) |
| SCPECG | 1.3 | D.3-A2AVB | alternating second degree AV block |
| SCPECG | 1.3 | D.3-AMI | anterior myocardial infarction |
| SCPECG | 1.3 | D.3-ANTCO | anterograde conduction |
| SCPECG | 1.3 | D.3-ALMI | anterolateral myocardial infarction |
| SCPECG | 1.3 | D.3-ASMI | anteroseptal myocardial infarction |
| SCPECG | 1.3 | D.3-APMI | apical myocardial infarction |
| SCPECG | 1.3 | D.3-ARRHY | arrhythmia, origin unknown |
| SCPECG | 1.3 | D.3-ARTEF | artifacts |
| SCPECG | 1.3 | D.3-PACEA | artificial pacemaker rhythm with 100% capture |
| SCPECG | 1.3 | D.3-PACEP | artificial pacemaker rhythm with partial capture |
| SCPECG | 1.3 | D.3-PACEF | artificial pacemaker rhythm with underlying atrial fibrilation |
| SCPECG | 1.3 | D.3-ASYST | asystole |
| SCPECG | 1.3 | D.3-ABIG | atrial bigeminy |
| SCPECG | 1.3 | D.3-AEC | atrial escape complex(es) |
| SCPECG | 1.3 | D.3-AFIB | atrial fibrillation |
| SCPECG | 1.3 | D.3-AFLT | atrial flutter |
| SCPECG | 1.3 | D.3-APARA | atrial parasystole |
| SCPECG | 1.3 | D.3-APC | atrial premature complex |
| SCPECG | 1.3 | D.3-PAC | atrial premature complex |
| SCPECG | 1.3 | D.3-ARATE | atrial rate |
| SCPECG | 1.3 | D.3-ARHYT | atrial rhythm |
| SCPECG | 1.3 | D.3-ATACH | atrial tachycardia |
| SCPECG | 1.3 | D.3-ATRIG | atrial trigeminy |
| SCPECG | 1.3 | D.3-AVNRT | atrioventricular nodal re-entrant tachycardia |
| SCPECG | 1.3 | D.3-AVRT | atrioventricular reciprocating tachycardia |
| SCPECG | 1.3 | D.3-ALBBB | atypical left bundle branch block |
| SCPECG | 1.3 | D.3-AVREN | AV nodal re-entry |
| SCPECG | 1.3 | D.3-AVDIS | AV-dissociation |
| SCPECG | 1.3 | D.3-AVJR | AV-junctional rhythm |
| SCPECG | 1.3 | D.3-AXPOS | axis shifted posteriorly |
| SCPECG | 1.3 | D.3-AXSUP | axis shifted superiorly |
| SCPECG | 1.3 | D.3-AXVER | axis vertical in frontal plane |
| SCPECG | 1.3 | D.3-WANDR | baseline wander |
| SCPECG | 1.3 | D.3-BAE | bi-atrial enlargement |
| SCPECG | 1.3 | D.3-BAO | bi-atrial overload |
| SCPECG | 1.3 | D.3-BIFAS | bifascicular block |
| SCPECG | 1.3 | D.3-BIGU | bigeminal pattern |
| SCPECG | 1.3 | D.3-EPARV | bipolar electronic pacemaker at the apex of the right ventricle |
| SCPECG | 1.3 | D.3-BVH | biventricular hypertrophy |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-BOECG | borderline ECG |
| SCPECG | 1.3 | D.3-BPAC | BPAC blocked premature atrial contraction |
| SCPECG | 1.3 | D.3-BRADO | bradycardia, origin unknown or not specified |
| SCPECG | 1.3 | D.3-CAPT | capture complex(es) |
| SCPECG | 1.3 | D.3-ASD | changes compatible with atrial septal defect (ostium secundum) |
| SCPECG | 1.3 | D.3-CWRT | clockwise rotation |
| SCPECG | 1.3 | D.3-ECD | compatible endocardial cushion defect (ASD ostium primum) |
| SCPECG | 1.3 | D.3-ACA | compatible with anomalous location of the coronary |
| SCPECG | 1.3 | D.3-MYOPA | compatible with cardiomyopathy |
| SCPECG | 1.3 | D.3-EBSTA | compatible with Ebstein's anomaly |
| SCPECG | 1.3 | D.3-NDOC | compatible with endocrine disease |
| SCPECG | 1.3 | D.3-IBP | compatible with hypertension |
| SCPECG | 1.3 | D.3-ISDIG | compatible with ischemia / digitalis effect |
| SCPECG | 1.3 | D.3-MYOCA | compatible with myocarditis |
| SCPECG | 1.3 | D.3-PULM | compatible with pulmonary embolism |
| SCPECG | 1.3 | D.3-TCA | compatible with tricuspid atresia |
| SCPECG | 1.3 | D.3-CLBBB | complete left bundle branch block |
| SCPECG | 1.3 | D.3-CRBBB | complete right bundle branch block |
| SCPECG | 1.3 | D.3-CONCO | concealed conduction |
| SCPECG | 1.3 | D.3-CONRE | concealed re-entry |
| SCPECG | 1.3 | D.3-HPRCA | consider hypercalcemia |
| SCPECG | 1.3 | D.3-HPRK | consider hyperkalemia |
| SCPECG | 1.3 | D.3-HPOCA | consider hypocalcemia |
| SCPECG | 1.3 | D.3-HPOK | consider hypokalemia |
| SCPECG | 1.3 | D.3-COPD | consistent with chronic obstructive pulmonary disease |
| SCPECG | 1.3 | D.3-CCWRT | counterclockwise rotation |
| SCPECG | 1.3 | D.3-CRIMA | criteria for |
| SCPECG | 1.3 | D.3-PADDD | DDD pacemaker |
| SCPECG | 1.3 | D.3-PACED | demand pacemaker rhythm |
| SCPECG | 1.3 | D.3-PADEM | demand pacing, based upon intrinsic complexes |
| SCPECG | 1.3 | D.3-DXTRO | dextrocardia |
| SCPECG | 1.3 | D.3-DIG | digitalis-effect |
| SCPECG | 1.3 | D.3-PAD | dual chamber electronic pacing |
| SCPECG | 1.3 | D.3-PADVI | DVI pacemaker |
| SCPECG | 1.3 | D.3-WHNOR | ECG within normal limits for age and sex |
| SCPECG | 1.3 | D.3-EAR | ectopic atrial rhythm |
| SCPECG | 1.3 | D.3-PAA | electronic atrial pacing |
| SCPECG | 1.3 | D.3-EPAVS | electronic pacemaker AV sequential, normal |



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|---|---|---|---|
| | | | capture |
| SCPECG | 1.3 | D.3-EPDM | electronic pacemaker, demand mode |
| SCPECG | 1.3 | D.3-EPFC | electronic pacemaker, failure to capture |
| SCPECG | 1.3 | D.3-EPFS | electronic pacemaker, failure to sense |
| SCPECG | 1.3 | D.3-EPVC | electronic pacemaker, ventricular capture |
| SCPECG | 1.3 | D.3-PAVA | electronic ventricular pacing with atrial sensing |
| SCPECG | 1.3 | D.3-ENTBL | entrance block |
| SCPECG | 1.3 | D.3-EPI | epicardial injury |
| SCPECG | 1.3 | D.3-ESCUN | escape complex, origin unknown |
| SCPECG | 1.3 | D.3-EXIBL | exit block |
| SCPECG | 1.3 | D.3-EBRAD | extreme bradycardia |
| SCPECG | 1.3 | D.3-ETACH | extreme tachycardia |
| SCPECG | 1.3 | D.3-FAULT | faulty lead |
| SCPECG | 1.3 | D.3-1AVB | first degree AV block |
| SCPECG | 1.3 | D.3-FCOUP | fixed coupling interval |
| SCPECG | 1.3 | D.3-FUSC | fusion complex(es) |
| SCPECG | 1.3 | D.3-HIGHT | high amplitude T-waves |
| SCPECG | 1.3 | D.3-HPVOL | high P-voltages |
| SCPECG | 1.3 | D.3-HVOLT | high QRS voltage |
| SCPECG | 1.3 | D.3-HVOLH | high QRS voltage in the horizontal leads |
| SCPECG | 1.3 | D.3-HVOLF | high QRS voltages in the frontal leads |
| SCPECG | 1.3 | D.3-HTVOL | high T-voltages |
| SCPECG | 1.3 | D.3-HLMI | high-lateral myocardial infarction |
| SCPECG | 1.3 | D.3-AXHOR | horizontal axis in frontal plane |
| SCPECG | 1.3 | D.3-IDIOR | idioventricular rhythm |
| SCPECG | 1.3 | D.3-ILBBB | incomplete left bundle branch block |
| SCPECG | 1.3 | D.3-INCAN | incomplete or no analysis (by the program) |
| SCPECG | 1.3 | D.3-IRBBB | incomplete right bundle branch block |
| SCPECG | 1.3 | D.3-PINFO | inconsistent or erroneous patient demographic data |
| SCPECG | 1.3 | D.3-IMI | inferior myocardial infarction |
| SCPECG | 1.3 | D.3-ILMI | inferolateral myocardial infarction |
| SCPECG | 1.3 | D.3-IPMI | inferoposterior myocardial infarction |
| SCPECG | 1.3 | D.3-IPLMI | inferoposterolateral myocardial infarction |
| SCPECG | 1.3 | D.3-SIMUL | input is from simulator or test pattern |
| SCPECG | 1.3 | D.3-I2AVB | intermittent second degree AV block |
| SCPECG | 1.3 | D.3-CLIN | interpret with clinical data |
| SCPECG | 1.3 | D.3-IACD | intra-atrial conduction delay |
| SCPECG | 1.3 | D.3-IVCD> | intraventricular conduction disturbance (QRS>120 ms) |
| SCPECG | 1.3 | D.3-INVT | inverted T-waves |
| SCPECG | 1.3 | D.3-IRREG | irregular rhythm |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-IVR | irregular ventricular response |
| SCPECG | 1.3 | D.3-ISC | Ischemic |
| SCPECG | 1.3 | D.3-JBRAD | junctional bradycardia |
| SCPECG | 1.3 | D.3-JEC | junctional escape complex(es) |
| SCPECG | 1.3 | D.3-JESCR | junctional escape rhythm |
| SCPECG | 1.3 | D.3-JPC | junctional premature complex(es) |
| SCPECG | 1.3 | D.3-JRHYT | junctional rhythm |
| SCPECG | 1.3 | D.3-STDJ | junctional ST depression |
| SCPECG | 1.3 | D.3-JTACH | junctional tachycardia |
| SCPECG | 1.3 | D.3-JUV | juvenile T waves |
| SCPECG | 1.3 | D.3-LMI | lateral myocardial infarction |
| SCPECG | 1.3 | D.3-LMISP | lead misplacement |
| SCPECG | 1.3 | D.3-LAFB | left anterior fascicular block |
| SCPECG | 1.3 | D.3-LAE | left atrial enlargement |
| SCPECG | 1.3 | D.3-LAO | left atrial overload |
| SCPECG | 1.3 | D.3-LAR | left atrial rhythm |
| SCPECG | 1.3 | D.3-LAD | left axis deviation of QRS in frontal plane (< -30) |
| SCPECG | 1.3 | D.3-LPFB | left posterior fascicular block |
| SCPECG | 1.3 | D.3-LVH | left ventricular hypertrophy |
| SCPECG | 1.3 | D.3-AXL | leftward axis |
| SCPECG | 1.3 | D.3-DSLIM | limb leads double standard calibration |
| SCPECG | 1.3 | D.3-HSLIM | limb leads half standard calibration |
| SCPECG | 1.3 | D.3-LNGQT | long QT-interval |
| SCPECG | 1.3 | D.3-LRR | long R-R interval measured |
| SCPECG | 1.3 | D.3-LOWT | low amplitude T-waves |
| SCPECG | 1.3 | D.3-LVOLT | low QRS voltages in the frontal and horizontal leads |
| SCPECG | 1.3 | D.3-LVOLH | low QRS voltages in the horizontal leads |
| SCPECG | 1.3 | D.3-RAR | low right atrial rhythm |
| SCPECG | 1.3 | D.3-LVOLF | low voltage in frontal leads |
| SCPECG | 1.3 | D.3-LGL | Lown-Ganong-Levine syndrome |
| SCPECG | 1.3 | D.3-PACEM | malfunctioning artificial pacemaker |
| SCPECG | 1.3 | D.3-MAPCS | MAPCS multiple atrial premature complexes |
| SCPECG | 1.3 | D.3-MSAR | marked sinus arrhythmia |
| SCPECG | 1.3 | D.3-CRIMI | minimal criteria for |
| SCPECG | 1.3 | D.3-IVCD< | minor intraventricular conduction disturbance (QRS<120ms) |
| SCPECG | 1.3 | D.3-NODAT | missing or no data |
| SCPECG | 1.3 | D.3-MOBI2 | Mobitz type 2 second degree AV block |
| SCPECG | 1.3 | D.3-CRIMO | moderate criteria for |
| SCPECG | 1.3 | D.3-MAR | multifocal atrial rhythm |
| SCPECG | 1.3 | D.3-MFAT | multifocal atrial tachycardia |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-MTACH | multifocal tachycardia |
| SCPECG | 1.3 | D.3-MICS | multiple interpolated complexes |
| SCPECG | 1.3 | D.3-MJPCS | multiple junctional premature complexes |
| SCPECG | 1.3 | D.3-MVPCS | multiple premature ventricular complexes |
| SCPECG | 1.3 | D.3-MVICS | multiple ventricular interpolated complexes |
| SCPECG | 1.3 | D.3-MI | myocardial infarction |
| SCPECG | 1.3 | D.3-NQTAC | narrow QRS tachycardia |
| SCPECG | 1.3 | D.3-NODRH | nodal rhythm |
| SCPECG | 1.3 | D.3-NOISE | noisy recording |
| SCPECG | 1.3 | D.3-NDT | non-diagnostic T abnormalities |
| SCPECG | 1.3 | D.3-IVCD | non-specific intraventricular conduction disturban |
| SCPECG | 1.3 | D.3-NSPEP | non-specific P wave abnormalities |
| SCPECG | 1.3 | D.3-NST | non-specific ST changes |
| SCPECG | 1.3 | D.3-STD | non-specific ST depression |
| SCPECG | 1.3 | D.3-STE | non-specific ST elevation |
| SCPECG | 1.3 | D.3-NT | non-specific T-wave changes |
| SCPECG | 1.3 | D.3-NSCAL | non-standard calibration |
| SCPECG | 1.3 | D.3-NSVT | non-sustained ventricular tachycardia |
| SCPECG | 1.3 | D.3-NORM | normal ECG |
| SCPECG | 1.3 | D.3-NFA | normal for age |
| SCPECG | 1.3 | D.3-NFB | normal for build |
| SCPECG | 1.3 | D.3-PACE | normal functioning artificial pacemaker |
| SCPECG | 1.3 | D.3-NLP | normal P wave |
| SCPECG | 1.3 | D.3-NLQRS | normal QRS |
| SCPECG | 1.3 | D.3-NSR | normal sinus rhythm |
| SCPECG | 1.3 | D.3-NLSTT | normal ST-T |
| SCPECG | 1.3 | D.3-TNOR | normal T-wave variations |
| SCPECG | 1.3 | D.3-STNOR | normal variant |
| SCPECG | 1.3 | D.3-OCAP | occasional capture |
| SCPECG | 1.3 | D.3-ONPAC | occasional non-paced complexes |
| SCPECG | 1.3 | D.3-OVPAC | occasional ventricular paced complexes |
| SCPECG | 1.3 | D.3-ORTCO | orthograde conduction |
| SCPECG | 1.3 | D.3-PAPCS | paired atrial premature complexes |
| SCPECG | 1.3 | D.3-PJPCS | paired junctional premature complexes |
| SCPECG | 1.3 | D.3-PPVCS | paired ventricular premature complexes |
| SCPECG | 1.3 | D.3-PVPCS | paired ventricular premature complexes |
| SCPECG | 1.3 | D.3-PAT | paroxysmal atrial tachycardia |
| SCPECG | 1.3 | D.3-PSVT | paroxysmal supraventricular tachycardia |
| SCPECG | 1.3 | D.3-PED | pediatric interpretation |
| SCPECG | 1.3 | D.3-QCERR | poor data quality, interpretation may be adversely affected |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-POORR | poor R-wave progression in precordial leads |
| SCPECG | 1.3 | D.3-POSAB | possibly abnormal ECG |
| SCPECG | 1.3 | D.3-METAB | possibly due to metabolic changes |
| SCPECG | 1.3 | D.3-MEASE | possibly measurement error |
| SCPECG | 1.3 | D.3-POSNL | possibly normal ECG |
| SCPECG | 1.3 | D.3-PMI | posterior myocardial infarction |
| SCPECG | 1.3 | D.3-STPVC | post-extrasystolic T-wave changes |
| SCPECG | 1.3 | D.3-POSTO | post-operative changes |
| SCPECG | 1.3 | D.3-DSPRE | precordial leads double standard calibration |
| SCPECG | 1.3 | D.3-HSPRE | precordial leads half standard calibration |
| SCPECG | 1.3 | D.3-PREEX | pre-excitation |
| SCPECG | 1.3 | D.3-PRC | premature complex(es) |
| SCPECG | 1.3 | D.3-PRANT | prominent anterior forces |
| SCPECG | 1.3 | D.3-PROMR | prominent R waves in right precordial leads |
| SCPECG | 1.3 | D.3-PE | pulmonary emphysema |
| SCPECG | 1.3 | D.3-QWAVE | Q waves present |
| SCPECG | 1.3 | D.3-AXIND | QRS axis indeterminate |
| SCPECG | 1.3 | D.3-RVR | rapid ventricular response |
| SCPECG | 1.3 | D.3-RATE | rate, not specified ventricular or atrial |
| SCPECG | 1.3 | D.3-RECIP | reciprocal or re-entrant impulse |
| SCPECG | 1.3 | D.3-RST | reciprocal ST-T changes |
| SCPECG | 1.3 | D.3-RENTR | re-entry phenomenon |
| SCPECG | 1.3 | D.3-REGRH | regular rhythm |
| SCPECG | 1.3 | D.3-ACET | related to pacemaker activity |
| SCPECG | 1.3 | D.3-RETCO | retrograde conduction |
| SCPECG | 1.3 | D.3-AECHO | return of impulse to its chamber of origin: the atrium |
| SCPECG | 1.3 | D.3-VECHO | return of impulse to its chamber of origin: the ventricle |
| SCPECG | 1.3 | D.3-STPAC | review ST-T analysis for the effects of pacing |
| SCPECG | 1.3 | D.3-RHY | rhythm |
| SCPECG | 1.3 | D.3-RAE | right atrial enlargement |
| SCPECG | 1.3 | D.3-RAO | right atrial overload |
| SCPECG | 1.3 | D.3-RAD | right axis deviation of QRS in frontal plane (> +90) |
| SCPECG | 1.3 | D.3-RVD | right ventricular dominance |
| SCPECG | 1.3 | D.3-RVH | right ventricular hypertrophy |
| SCPECG | 1.3 | D.3-AXR | rightward axis |
| SCPECG | 1.3 | D.3-RSR1 | rSr' type in V1 or V2 |
| SCPECG | 1.3 | D.3-RAPCS | run of atrial premature complexes |
| SCPECG | 1.3 | D.3-RATAC | run of atrial tachycardia |
| SCPECG | 1.3 | D.3-RJPCS | run of junctional premature complexes |
| SCPECG | 1.3 | D.3-RJTAC | run of junctional tachycardia |



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|---|---|---|---|
| SCPECG | 1.3 | D.3-RPVCS | run of ventricular premature complexes |
| SCPECG | 1.3 | D.3-RVPCS | run of ventricular premature complexes |
| SCPECG | 1.3 | D.3-RVTAC | run of ventricular tachycardia |
| SCPECG | 1.3 | D.3-S1S23 | S1 S2 S3 type QRS pattern |
| SCPECG | 1.3 | D.3-2AVB | second degree AV block |
| SCPECG | 1.3 | D.3-CONG | secondary to congenital heart disease |
| SCPECG | 1.3 | D.3-RESP | secondary to respiratory disease |
| SCPECG | 1.3 | D.3-VALV | secondary to valvular heart disease |
| SCPECG | 1.3 | D.3-SEHYP | septal hypertrophy |
| SCPECG | 1.3 | D.3-SHTPR | Short PR-interval. |
| SCPECG | 1.3 | D.3-SHTQT | short QT-interval |
| SCPECG | 1.3 | D.3-SABLK | sino-atrial block |
| SCPECG | 1.3 | D.3-SAR | sinus arrest |
| SCPECG | 1.3 | D.3-SARA | sinus arrest with atrial escape |
| SCPECG | 1.3 | D.3-SARJ | sinus arrest with junctional escape |
| SCPECG | 1.3 | D.3-SARSV | sinus arrest with supraventricular escape |
| SCPECG | 1.3 | D.3-SARV | sinus arrest with ventricular escape |
| SCPECG | 1.3 | D.3-SARRH | sinus arrhythmia |
| SCPECG | 1.3 | D.3-SBRAD | sinus bradycardia |
| SCPECG | 1.3 | D.3-SPAUS | sinus pause |
| SCPECG | 1.3 | D.3-SR | sinus rhythm |
| SCPECG | 1.3 | D.3-STACH | sinus tachycardia |
| SCPECG | 1.3 | D.3-SVR | slow ventricular response |
| SCPECG | 1.3 | D.3-STVAG | ST-elevation V1-V3 possibly due to enhanced vagal tone |
| SCPECG | 1.3 | D.3-STT | ST-T change |
| SCPECG | 1.3 | D.3-REPOL | ST-T changes compatible with early repolarization |
| SCPECG | 1.3 | D.3-PERIC | ST-T changes compatible with pericarditis |
| SCPECG | 1.3 | D.3-ANEUR | ST-T changes compatible with ventricular aneurysm |
| SCPECG | 1.3 | D.3-QUIN | ST-T changes due to quinidine-effect |
| SCPECG | 1.3 | D.3-INJ | subendocardial injury |
| SCPECG | 1.3 | D.3-MYOIN | suggests myocardial infarction, no location specified |
| SCPECG | 1.3 | D.3-SVARR | supraventricular arrhythmia |
| SCPECG | 1.3 | D.3-SVBIG | supraventricular bigeminy |
| SCPECG | 1.3 | D.3-SVBRA | supraventricular bradycardia |
| SCPECG | 1.3 | D.3-SVEC | supraventricular escape complex(es) |
| SCPECG | 1.3 | D.3-SVIC | supraventricular interpolated complex(es) |
| SCPECG | 1.3 | D.3-SVPC | supraventricular premature complex |
| SCPECG | 1.3 | D.3-SVRHY | supraventricular rhythm |
| SCPECG | 1.3 | D.3-SVTAC | supraventricular tachycardia |



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| | | | |
|---|---|---|---|
| SCPECG | 1.3 | D.3-SVTRI | supraventricular trigeminy |
| SCPECG | 1.3 | D.3-ARMRE | suspect arm leads reversed |
| SCPECG | 1.3 | D.3-SVT | sustained ventricular tachycardia |
| SCPECG | 1.3 | D.3-TACHO | tachycardia, origin unknown or not specified |
| SCPECG | 1.3 | D.3-3AVB | third degree AV block |
| SCPECG | 1.3 | D.3-TORSA | torsade des pointes ventricular tachycardia |
| SCPECG | 1.3 | D.3-TRSLT | transition in horizontal leads shifted leftward |
| SCPECG | 1.3 | D.3-TRSRT | transition in horizontal leads shifted rightward |
| SCPECG | 1.3 | D.3-TRNZL | Transition zone in precordial leads displaced to left |
| SCPECG | 1.3 | D.3-TRNZR | Transition zone in precordial leads displaced to right |
| SCPECG | 1.3 | D.3-TRFAS | trifascicular block |
| SCPECG | 1.3 | D.3-TRIGU | trigeminal pattern |
| SCPECG | 1.3 | D.3-TAB | T-wave abnormality |
| SCPECG | 1.3 | D.3-UNRHY | undetermined rhythm |
| SCPECG | 1.3 | D.3-EPU | unipolar electronic pacemaker |
| SCPECG | 1.3 | D.3-EPURV | unipolar electronic pacemaker at the apex of the right ventricle |
| SCPECG | 1.3 | D.3-BBB | unspecified bundle branch block |
| SCPECG | 1.3 | D.3-BLOCK | unspecified delay or failure of impulse propagation |
| SCPECG | 1.3 | D.3-UFB | unusual for build |
| SCPECG | 1.3 | D.3-UNPAX | unusual P-axis |
| SCPECG | 1.3 | D.3-VARBL | variable block |
| SCPECG | 1.3 | D.3-VARCO | variable conduction |
| SCPECG | 1.3 | D.3-VCOUP | variable coupling interval |
| SCPECG | 1.3 | D.3-PAVAT | VAT pacemaker |
| SCPECG | 1.3 | D.3-PAVDD | VDD pacemaker |
| SCPECG | 1.3 | D.3-VBIG | ventricular bigeminy |
| SCPECG | 1.3 | D.3-VEC | ventricular escape complex(es) |
| SCPECG | 1.3 | D.3-VESCR | ventricular escape rhythm |
| SCPECG | 1.3 | D.3-VFIB | ventricular fibrillation |
| SCPECG | 1.3 | D.3-VFLT | ventricular flutter |
| SCPECG | 1.3 | D.3-VIC | ventricular interpolated complexes |
| SCPECG | 1.3 | D.3-VPARA | ventricular parasystole |
| SCPECG | 1.3 | D.3-VPC | ventricular premature complex |
| SCPECG | 1.3 | D.3-PVC | ventricular premature complex |
| SCPECG | 1.3 | D.3-VQUAG | ventricular quadrigeminy |
| SCPECG | 1.3 | D.3-VRATE | ventricular rate |
| SCPECG | 1.3 | D.3-VRHYT | ventricular rhythm |
| SCPECG | 1.3 | D.3-VTACH | ventricular tachycardia |
| SCPECG | 1.3 | D.3-VTRIG | ventricular trigeminy |



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| | | | |
|---|---|---|---|
| SCPECG | 1.3 | D.3-VABL | ventriculo-atrial block |
| SCPECG | 1.3 | D.3-VCLVH | voltage criteria (QRS) for left ventricular hypertrophy |
| SCPECG | 1.3 | D.3-VCRVH | voltage criteria (QRS) for right ventricular hypertrophy |
| SCPECG | 1.3 | D.3-PAVVI | VVI pacemaker |
| SCPECG | 1.3 | D.3-WANDP | wandering pacemaker |
| SCPECG | 1.3 | D.3-WENCK | Wenckebach phenomenon |
| SCPECG | 1.3 | D.3-WQTAC | wide QRS tachycardia |
| SCPECG | 1.3 | D.3-WRV | wide rate variation |
| SCPECG | 1.3 | D.3-WPWA | Wolf-Parkinson type A |
| SCPECG | 1.3 | D.3-WPWB | Wolf-Parkinson type B |
| SCPECG | 1.3 | D.3-WPW | Wolf-Parkinson-White syndrome |

**CID 3687 Electrophysiology Waveform Durations**

**Context ID 3687**
**Electrophysiology Waveform Durations**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| SCPECG | 1.3 | 5.13.5-5 | P Duration |
| SCPECG | 1.3 | 5.13.5-7 | PR Interval |
| SCPECG | 1.3 | 5.13.5-9 | QRS Duration |
| SCPECG | 1.3 | 5.13.5-11 | QT Interval |
| SCPECG | 1.3 | 5.13.5-13 | Q Duration |
| SCPECG | 1.3 | 5.13.5-15 | R Duration |
| SCPECG | 1.3 | 5.13.5-17 | S Duration |
| SCPECG | 1.3 | 5.13.5-19 | R' Duration |
| SCPECG | 1.3 | 5.13.5-21 | S' Duration |
| SCPECG | 1.3 | 5.13.5-49 | Isoelectric Segment duration at the onset of QRS |
| SCPECG | 1.3 | 5.13.5-51 | Isoelectric Segment duration at the end of QRS |
| SCPECG | 1.3 | 5.13.5-53 | Intrisicoid Deflection duration |

**CID 3688 Electrophysiology Waveform Voltages**

**Context ID 3688**
**Electrophysiology Waveform Voltages**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|



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| Designator | Version | | |
|---|---|---|---|
| SCPECG | 1.3 | 5.13.5-23 | Q Amplitude |
| SCPECG | 1.3 | 5.13.5-25 | R Amplitude |
| SCPECG | 1.3 | 5.13.5-27 | S Amplitude |
| SCPECG | 1.3 | 5.13.5-29 | R' Amplitude |
| SCPECG | 1.3 | 5.13.5-31 | S' Amplitude |
| SCPECG | 1.3 | 5.13.5-33 | J Point Amplitude |
| SCPECG | 1.3 | 5.13.5-35 | P(+) Amplitude |
| SCPECG | 1.3 | 5.13.5-37 | P(-) Amplitude |
| SCPECG | 1.3 | 5.13.5-39 | T(+) Amplitude |
| SCPECG | 1.3 | 5.13.5-41 | T(-) Amplitude |
| SCPECG | 1.3 | 5.13.5-57 | ST Amplitude at the J-Point plus 20 ms |
| SCPECG | 1.3 | 5.13.5-59 | ST Amplitude at the J-Point plus 60 ms |
| SCPECG | 1.3 | 5.13.5-61 | ST Amplitude at the J-Point plus 80 ms |
| SCPECG | 1.3 | 5.13.5-63 | Amplitude at the J-Point plus 1/16 average R-R |
| SCPECG | 1.3 | 5.13.5-65 | Amplitude at the J-Point plus 1/8 average R-R |

**CID 3700 Cath Diagnosis**

**Context ID 3700**
**Cath Diagnosis**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | D3-13000 | Coronary artery disease |
| SRT | D3-15100 | Acute myocardial infarction |
| SRT | F-37012 | Atypical chest pain |
| SRT | D3-13020 | Stable Angina |
| SRT | D3-12400 | Atypical Angina, Variant Angina |
| SRT | D3-12700 | Unstable Angina, Progressive Angina |
| SRT | D3-13014 | Post-infarction angina |
| SRT | R-00368 | Recurrent angina Post-PTCA |
| SRT | R-00367 | Recurrent angina Post-DCA |
| SRT | R-00369 | Recurrent angina Post-Rotational Atherectomy |
| SRT | R-00366 | Recurrent angina Post-Stent |
| SRT | R-00365 | Recurrent angina Post-CABG |
| SRT | D3-16010 | Congestive heart failure |
| SRT | D2-61100 | Pulmonary edema |
| SRT | D3-00200 | cardiogenic shock |
| SRT | R-002CB | Acute ventricular septal rupture |



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| | | |
|---|---|---|
| SRT | D3-29010 | Mitral valve disease |
| SRT | D3-29011 | Mitral stenosis |
| SRT | D3-29012 | Mitral regurgitation |
| SRT | D3-29096 | Acute mitral regurgitation |
| SRT | D3-13021 | Silent ischemia |
| SRT | R-00336 | s/p MI positive stress for ischemia |
| SRT | D3-26000 | Myocarditis |
| SRT | D3-28012 | Subacute bacterial endocarditis |
| SRT | D3-2906A | Idiopathic hypertrophic subaortic stenosis |
| SRT | D3-40300 | Pulmonary hypertension |
| SRT | D3-29040 | Tricuspid valve disease |
| SRT | D3-29042 | Tricuspid regurgitation |
| SRT | D3-29013 | Mitral valve prolapse |
| SRT | D3-31700 | Ventricular tachycardia |
| SRT | D3-31720 | Ventricular fibrillation |
| SRT | D3-21000 | Congestive cardiomyopathy |
| SRT | D3-02500 | Hypertensive heart disease |
| SRT | D3-22100 | Restrictive cardiomyopathy |
| SRT | D3-90000 | Pericardial disease |
| SRT | D3-90100 | Pericardial tamponade |
| SRT | D3-29020 | Aortic valve disease |
| SRT | D3-29021 | Aortic stenosis |
| SRT | D3-29025 | Aortic insufficiency |
| SRT | D4-31220 | Atrial septal defect |
| SRT | D3-80016 | Aortic dissection |
| SRT | D3-29050 | Pulmonic valve disease |
| SRT | D4-31159 | Ventricular septal defect |
| SRT | D3-83300 | Aortic aneurysm |
| SRT | R-10042 | Arhythmia Evaluation |
| SRT | D3-31520 | Atrial fibrillation |
| SRT | D4-31000 | heart disease, congenital |
| SRT | D3-91030 | Constrictive pericarditis |

**CID 3701 Cardiac Valves and Tracts**

**Context ID 3701**
**Cardiac Valves and Tracts**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-35300 | Mitral Valve |



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|---|---|---|
| SRT | T-35400 | Aortic Valve |
| SRT | T-35100 | Tricuspid valve |
| SRT | T-35200 | Pulmonary valve |
| SRT | T-32650 | Left ventricle outflow tract |

**CID 3703 Wall Motion**

**Context ID 3703**
**Wall Motion**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00378 | Not Evaluated |
| SRT | R-41198 | Unknown |
| DCM | 122288 | Not visualized |
| SRT | R-00344 | Normal wall motion |
| SRT | R-0030D | Hyperkinetic region |
| SRT | R-4041B | Hypokinesis |
| SRT | F-32056 | Mild Hypokinesis |
| SRT | R-0032F | Moderate Hypokinesis |
| SRT | R-00370 | Severe Hypokinesis |
| SRT | F-30004 | Akinesis |
| SRT | F-32052 | Dyskinesis |

**CID 3704 Myocardium Wall Morphology Findings**

**Context ID 3704**
**Myocardium Wall Morphology Findings**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122112 | Normal Myocardium |
| SRT | D3-10510 | Ventricular Aneurysm |
| DCM | 122113 | Scarred Myocardium |
| DCM | 122114 | Thinning Myocardium |

**CID 3705 Chamber Size**

**Context ID 3705**
**Chamber Size**

- Standard -

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**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00343 | Normal size cardiac chamber |
| SRT | R-002C6 | Abnormally small cardiac chamber |
| SRT | R-0032A | Mildly Enlarged cardiac chamber |
| SRT | R-00331 | Moderately Enlarged cardiac chamber |
| SRT | R-00316 | Markedly Enlarged cardiac chamber |

**CID 3706 Overall Contractility**

**Context ID 3706**
**Overall Contractility**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00341 | Normal wall contractility |
| SRT | R-00398 | Hyperkinesis |
| SRT | R-4041B | Hypokinesis |
| SRT | F-30004 | Akinesis |

**CID 3707 VSD Description**

**Context ID 3707**
**VSD Description**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | D4-31154 | Membranous |
| SRT | R-0033B | Non-restrictive |
| SRT | D4-31166 | Restrictive |
| SRT | R-40775 | None |

**CID 3709 Aortic Root Description**

**Context ID 3709**
**Aortic Root Description**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|



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| | | |
|---|---|---|
| SRT | R-0033C | Normal Aortic Root |
| SRT | R-00301 | Enlarged Aortic Root |
| SRT | R-002CD | Aneurysm of Aortic Root |
| SRT | R-002D1 | Annular Abscess of Aortic Root |
| SRT | R-003A1 | Post Stenotic Dilation |
| SRT | D3-83660 | Ruptured Sinus of Valsalva |

**CID 3710 Coronary Dominance**

**Context ID 3710**
**Coronary Dominance**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 68-1 | Left Coronary Dominance |
| NCDR | 2.0b | 68-2 | Right Coronary Dominance |
| NCDR | 2.0b | 68-3 | Mixed Coronary Dominance |

**CID 3711 Valvular Abnormalities**

**Context ID 3711**
**Valvular Abnormalities**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | D3-29001 | Stenosis |
| SRT | F-32400 | Regurgitation |
| SRT | R-0030B | Calcified Heart Valve |
| SRT | R-0030F | Immobile Heart Valve |
| SRT | R-00305 | Heart Valve Flail |
| SRT | D3-28005 | Valvular endocarditis |

**CID 3712 Vessel Descriptors**

**Context ID 3712**
**Vessel Descriptors**
**Type: Extensible Version: 20030327**



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| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-00389 | Ulcerated |
| SRT | R-0036B | Restenotic |
| SRT | R-002E2 | Bifurcation |
| SRT | R-002EF | Culprit |
| SRT | R-002CE | Aneurysmal |
| SRT | R-002FC | Diffuse Disease |
| SRT | R-00314 | Luminal Irregularities |
| SRT | R-411C5 | Muscle Bridge |
| SRT | R-10050 | Stenotic |
| SRT | R-10051 | Ectatic |
| SRT | G-A264 | Calcified |
| SRT | M-35100 | Thrombus |
| SRT | R-10048 | Tortuous |
| SRT | R-10049 | Stented |

**CID 3713 TIMI Flow Characteristics**

**Context ID 3713**
**TIMI Flow Characteristics**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | R-0037E | 0: No Perfusion | 106-0, 107-0 |
| SRT | R-0037F | 1: Penetration without Perfusion | 106-1, 107-1 |
| SRT | R-00381 | 2: Partial Perfusion | 106-2, 107-2 |
| SRT | R-00382 | 3: Complete Perfusion | 106-3, 107-3 |

**CID 3714 Thrombus**

**Context ID 3714**
**Thrombus**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-0033A | No Thrombus |
| SRT | R-00356 | Possible Thrombus |
| SRT | R-002F1 | Definite Thrombus |
| SRT | R-00371 | Severe Thrombus |



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**CID 3715 Lesion Margin**

**Context ID 3715**
**Lesion Margin**
**Type: Extensible Version: 20050614**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | G-A545 | Smooth |
| SRT | G-A402 | Irregular |
| SRT | R-00335 | Multiple Irregularities |
| SRT | R-403CC | Ulcerative |

**CID 3716 Severity**

**Context ID 3716**
**Severity**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-40775 | None |
| SRT | R-404FA | Mild |
| SRT | R-00329 | Mild to Moderate |
| SRT | G-A002 | Moderate |
| SRT | R-00330 | Moderate to Severe |
| SRT | G-A003 | Severe |

**CID 3717 Myocardial Wall Segments**

This 17-segment model of left ventricular myocardial wall segments uses the terminology specified in Manuel D. Cerqueira, et al., "Standardized Myocardial Segmentation and Nomenclature for Tomographic Imaging of the Heart", 2001

**Context ID 3717**
**Myocardial Wall Segments**
**Type: Non-Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-32619 | left ventricle basal anterior segment |
| SRT | R-10075 | left ventricle basal anteroseptal segment |
| SRT | R-10076 | left ventricle basal inferoseptal segment |



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|---|---|---|
| SRT | T-32615 | left ventricle basal inferior segment |
| SRT | R-10079 | left ventricle basal inferolateral segment |
| SRT | R-1007A | left ventricle basal anterolateral segment |
| SRT | T-32617 | left ventricle mid anterior segment |
| SRT | R-10077 | left ventricle mid anteroseptal segment |
| SRT | R-10078 | left ventricle mid inferoseptal segment |
| SRT | T-32616 | left ventricle mid inferior segment |
| SRT | R-1007B | left ventricle mid inferolateral segment |
| SRT | R-1007C | left ventricle mid anterolateral segment |
| SRT | T-32613 | left ventricle apical anterior segment |
| SRT | T-32614 | left ventricle apical septal segment |
| SRT | T-32618 | left ventricle apical inferior segment |
| SRT | T-3261C | left ventricle apical lateral segment |
| SRT | T-32602 | apex of left ventricle |

**CID 3718 Myocardial Wall Segments in Projection**

This context group specifies the left ventricular myocardial wall segments as seen in typical right anterior oblique (RAO) and left anterior oblique (LAO) angiographic projections.

**Context ID 3718**
**Myocardial Wall Segments in Projection**
**Type: Extensible Version: 20030614**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | T-32619 | left ventricle basal anterior segment |
| SRT | T-32634 | myocardium of anterolateral region |
| SRT | T-32636 | myocardium of apex of heart |
| SRT | T-32632 | myocardium of diaphragmatic region |
| SRT | T-32615 | left ventricle basal inferior segment |
| SRT | T-32603 | left ventricle basal lateral segment |
| SRT | T-32633 | myocardium of posterolateral region |
| SRT | T-32637 | myocardium of inferolateral region |
| SRT | T-32614 | left ventricle apical septal segment |
| SRT | T-32601 | left ventricular basal septal segment |
| SRT | R-101C0 | left ventricular posterobasal segment |



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**CID 3719 Canadian Clinical Classification**

**Context ID 3719**
**Canadian Clinical Classification**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 50-0 | Class 0 |
| NCDR | 2.0b | 50-I | Class I |
| NCDR | 2.0b | 50-II | Class II |
| NCDR | 2.0b | 50-IIII | Class III |
| NCDR | 2.0b | 50-IV | Class IV |

**CID 3720 Cardiac History Dates**

**Context ID 3720**
**Cardiac History Dates**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 41 | Date of Previous Percutaneous Coronary Intervention |
| NCDR | 2.0b | 43 | Date of Previous Coronary Artery Bypass Graft |
| NCDR | 2.0b | 45 | Date of Previous Valvular Surgery |

**CID 3721 Cath Patient History**

**Context ID 3721**
**Cath Patient History**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 40 | previous precutaneous coronary intervention |
| NCDR | 2.0b | 42 | previous cardiovascular surgery |
| NCDR | 2.0b | 44 | previous valvular surgery |
| NCDR | 2.0b | 29 | family history of coronary artery disease |

**CID 3722 Diabetic Therapy**



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**Context ID 3722**
**Diabetic Therapy**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 31-1 | Diet |
| NCDR | 2.0b | 31-2 | Oral Agent Treatment |
| NCDR | 2.0b | 31-3 | Insulin |

**CID 3723 MI Types**

**Context ID 3723**
**MI Types**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 94-1 | Non ST Elevation Myocardial Infarction |
| NCDR | 2.0b | 94-2 | ST Elevation Myocardial Infarction |
| NCDR | 2.0b | 94-0 | No documented Myocardial Infarction |

**CID 3724 Smoking History**

**Context ID 3724**
**Smoking History**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 38-0 | No History of Smoking |
| NCDR | 2.0b | 38-1 | Current Smoker |
| NCDR | 2.0b | 38-2 | Former Smoker |



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**CID 3726 Indications for Coronary Intervention**

**Context ID 3726**
**Indications for Coronary Intervention**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| DCM | 122171 | Coronary lesion >= 50% stenosis | |
| SRT | D3-00200 | Cardiogenic Shock | 123 |

**CID 3727 Indications for Catheterization**

**Context ID 3727**
**Indications for Catheterization**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 79 | cardiogenic shock |
| NCDR | 2.0b | 80 | valvular heart disease |
| NCDR | 2.0b | 81 | Arrhythmia |
| NCDR | 2.0b | 82 | ischemic heart disease |
| NCDR | 2.0b | 83 | positive functional tests |
| NCDR | 2.0b | 84.1 | heart disease - transplant |
| NCDR | 2.0b | 84.2 | heart disease - congenital |
| NCDR | 2.0b | 84.3 | heart disease - cardiomyopathy |
| NCDR | 2.0b | 84.4 | heart disease of other etiology |

**CID 3728 Cath Findings**

**Context ID 3728**
**Cath Findings**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-0033F | Normal left heart hemodynamics |
| SRT | R-00342 | Normal right heart hemodynamics |
| SRT | R-0033E | Normal left and right heart hemodynamics |
| SRT | R-00340 | Normal left ventricular systolic function and wall motion |



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|---|---|---|
| SRT | R-0033D | Normal coronary arteries |
| SRT | R-00328 | Mild intimal coronary irregularities, no significant stenoses |
| SRT | R-00374 | Single vessel coronary artery disease. |
| SRT | R-002FE | Double vessel coronary artery disease. |
| SRT | R-00386 | Triple vessel coronary artery disease. |
| SRT | R-00334 | Multi vessel coronary artery disease. |
| SRT | R-00313 | Left main coronary artery disease |
| SRT | R-00372 | Significant coronary bypass graft disease |
| SRT | D3-29021 | Aortic stenosis |
| SRT | D3-29025 | Aortic insufficiency |
| SRT | D3-29011 | Mitral stenosis |
| SRT | D3-29012 | Mitral regurgitation |
| SRT | R-002F3 | Depression of left ventricular systolic function |
| SRT | R-002C8 | Acute mitral regurgitation from chordal rupture |
| SRT | R-002C7 | Acute mitral regurgitation from chordal dysfunction |
| SRT | R-002CA | Acute mitral regurgitation from papillary muscle rupture |
| SRT | R-002C9 | Acute mitral regurgitation from papillary muscle dysfunction |
| SRT | D3-29013 | Mitral valve prolapse |
| SRT | D3-2100 | Congestive cardiomyopathy |
| SRT | D3-23000 | Hypertrophic cardiomyopathy with obstruction |
| SRT | D3-20003 | Hypertrophic cardiomyopathy without obstruction |
| SRT | D3-02500 | Hypertensive heart disease |
| SRT | D3-22100 | Restrictive cardiomyopathy |
| SRT | D3-90100 | Pericardial tamponade |
| SRT | D3-91030 | Constrictive pericarditis |
| SRT | D3-40300 | Pulmonary hypertension |
| SRT | D4-31220 | Atrial septal defect |
| SRT | D4-31159 | Ventricular septal defect |
| SRT | R-002CB | Acute ventricular septal rupture |
| SRT | D4-31000 | heart disease - congenital |



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**CID 3729 Admission Status**

**Context ID 3729**
**Admission Status**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 17-1 | Referral / Elective |
| NCDR | 2.0b | 17-2 | Emergency Department |
| NCDR | 2.0b | 17-3 | Transfer |
| NCDR | 2.0b | 17-4 | Other |

**CID 3730 Insurance Payor**

**Context ID 3730**
**Insurance Payor**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 18-1 | Government |
| NCDR | 2.0b | 18-2 | Commercial |
| NCDR | 2.0b | 18-3 | Health Maintenance Organization |
| NCDR | 2.0b | 18-4 | None |

**CID 3733 Primary Cause of Death**

**Context ID 3733**
**Primary Cause of Death**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 25-1 | Cardiac |
| NCDR | 2.0b | 25-2 | Neurologic |
| NCDR | 2.0b | 25-3 | Renal |
| NCDR | 2.0b | 25-4 | Vascular |
| NCDR | 2.0b | 25-5 | Infection |
| NCDR | 2.0b | 25-6 | Pulmonary |
| NCDR | 2.0b | 25-7 | Valvular |



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|---|---|---|---|
| NCDR | 2.0b | 25-8 | Other |

**CID 3735 Acute Coronary Syndrome Time Period**

**Context ID 3735**
**Acute Coronary Syndrome Time Period**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 51-1 | <= 6 hours |
| NCDR | 2.0b | 51-2 | between 6 hours and 24 hours |
| NCDR | 2.0b | 51-3 | between 24 hours and 7 days |

**CID 3736 NYHA Classification**

**Context ID 3736**
**NYHA Classification**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 47-I | NYHA Class I |
| NCDR | 2.0b | 47-II | NYHA Class II |
| NCDR | 2.0b | 47-III | NYHA Class III |
| NCDR | 2.0b | 47-IV | NYHA Class IV |

**CID 3737 Non-Invasive Test - Ischemia**

**Context ID 3737**
**Non-Invasive Test - Ischemia**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 48-1 | Not Done |
| NCDR | 2.0b | 48-2 | Positive |
| NCDR | 2.0b | 48-3 | Negative |
| NCDR | 2.0b | 48-4 | Equivocal |
| NCDR | 2.0b | 48-5 | Arrhythmia |



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**CID 3738 Pre-Cath Angina Type**

**Context ID 3738**
**Pre-Cath Angina Type**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 49-I | Atypical Chest Pain |
| NCDR | 2.0b | 49-II | Stable Angina |
| NCDR | 2.0b | 49-IIIa | Acute Coronary Syndrome: Unstable Angina |
| NCDR | 2.0b | 49-IIIb | Acute Coronary Syndrome: Non ST-Elevation Myocardial Infarction |
| NCDR | 2.0b | 49-IIIc | Acute Coronary Syndrome: ST-Elevation Myocardial Infarction |

**CID 3739 Cath Procedure Type**

**Context ID 3739**
**Cath Procedure Type**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | P1-31602 | Catheterization of right heart | 54-1 |
| SRT | P1-31604 | Catheterization of left heart | 54-2 |
| SRT | P1-3160A | Catheterization of both left and right heart with graft | |
| SRT | P1-3160B | Catheterization of both left and right heart without graft | |
| DCM | 122061 | Percutaneous Coronary Intervention | 54-3 |

**CID 3740 Thrombolytic Administration**

**Context ID 3740**
**Thrombolytic Administration**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | R-0037D | Contraindicated | 57-1 |
| SRT | R-0037C | Administered less than 3 hours before PCI | 57-2 |
| SRT | R-0037A | Administered between 3 and 6 hours | 57-3 |



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|---|---|---|---|
| | | before PCI | |
| SRT | R-0037B | Administered between 6 hours and 7 days before PCI | 57-4 |

**CID 3741 Medication Administration, Lab Visit**

**Context ID 3741**
**Medication Administration, Lab Visit**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | R-00321 | Contraindicated | 58-1 |
| SRT | R-0031B | Administered before lab visit | 58-2 |
| SRT | R-0031C | Administered during lab visit | 58-3 |
| SRT | R-0031A | Administered after lab visit | 58-4 |

**CID 3742 Medication Administration, PCI**

**Context ID 3742**
**Medication Administration, PCI**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | R-00320 | Not Administered | |
| SRT | R-00321 | Contraindicated | 59-1 |
| SRT | R-0031F | Administered Prior to Percutaneous Coronary Intervention | 59-2 |
| SRT | R-0039A | Administered During Percutaneous Coronary Intervention | 59-3 |
| SRT | R-00399 | Administered After Percutaneous Coronary Intervention | 59-4 |



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**CID 3743 Clopidogrel/Ticlopidine Administration**

**Context ID 3743**
**Clopidogrel/Ticlopidine Administration**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR Equivalent |
|---|---|---|---|
| SRT | R-00320 | Not Administered | 60-1 |
| SRT | R-00321 | Contraindicated | 60-2 |
| SRT | R-0031E | Administered Less than 72 Hours before PCI | 60-3 |
| SRT | R-00399 | Administered After Percutaneous Coronary Intervention | 60-4 |

**CID 3744 EF Testing Method**

**Context ID 3744**
**EF Testing Method**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | P5-3003A | Cardiac ventriculography |
| SRT | P5-D3300 | Radionuclide ventriculography |
| SRT | P5-B3081 | Adult echocardiography |

**CID 3745 Calculation Method**

**Context ID 3745**
**Calculation Method**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| SRT | R-10260 | Estimated |
| SRT | R-41D2D | Calculated |



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**CID 3746 Percutaneous Entry**

**Context ID 3746**
**Percutaneous Entry Site**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 74-1 | Percutaneous entry made via femoral artery |
| NCDR | 2.0b | 74-2 | Percutaneous entry made via brachial artery |
| NCDR | 2.0b | 74-3 | Percutaneous entry made via radial artery |
| NCDR | 2.0b | 74-4 | Percutaneous entry made via other artery |
| NCDR | 2.0b | 74-5 | Percutaneous entry made via venous access |

**CID 3747 Percutaneous Closure**

**Context ID 3747**
**Percutaneous Closure**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 75-0 | No closure device used at percutaneous entry |
| NCDR | 2.0b | 75-1 | Percutaneous entry closed by suture |
| NCDR | 2.0b | 75-2 | Percutaneous entry closed by sealant |
| NCDR | 2.0b | 75-3 | Percutaneous entry closed by other mechanism |

**CID 3748 Angiographic EF Testing Method**

**Context ID 3748**
**Angiographic EF Testing Method**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122059 | Single plane Angiography |
| DCM | 122060 | Bi-plane Angiography |



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**CID 3749 PCI Procedure Result**

**Context ID 3749**
**PCI Procedure Result**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 100-1 | Successful |
| NCDR | 2.0b | 100-2 | Partially successful |
| NCDR | 2.0b | 100-3 | Unsuccessful |

**CID 3750 Previously Dilated Lesion**

**Context ID 3750**
**Previously Dilated Lesion**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning |
|---|---|---|---|
| NCDR | 2.0b | 108-0 | not previously treated |
| NCDR | 2.0b | 108-1 | balloon only |
| NCDR | 2.0b | 108-2 | stent only |
| NCDR | 2.0b | 108-3 | other/any combination |

**CID 3752 Guidewire Crossing**

**Context ID 3752**
**Guidewire Crossing**
**Type: Extensible Version: 20030327**

| Coding Scheme Designator | Code Value | Code Meaning |
|---|---|---|
| DCM | 122301 | Guidewire crossing lesion unsuccessful |
| DCM | 122302 | Guidewire crossing lesion successful |



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**CID 3754 Vascular Complications**

**Context ID 3754**
**Vascular Complications**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR 2.0b Equivalent Code Value |
|---|---|---|---|
| SRT | M-37000 | Bleeding | 127 |
| SRT | D3-89100 | Occlusion of artery | 128 |
| SRT | R-102B2 | Loss of distal pulse | 129 |
| SRT | D3-81310 | Arterial dissection | 130 |
| SRT | M-32390 | Pseudoaneurysm | 131 |
| SRT | M-39390 | AV Fistula | 132 |

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

**CID 3755 Cath Complications**

**Context ID 3755**
**Cath Complications**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR 2.0b Equivalent Code Value |
|---|---|---|---|
| SRT | D3-00200 | Cardiogenic shock | 123 |
| SRT | D3-30000 | Arrhythmia | 124 |
| SRT | D3-8900D | Cerebrovascular Accident or Stroke | 125 |
| SRT | D3-90100 | Cardiac tamponade | 126 |
| SRT | DF-10781 | Contrast media adverse reaction | 133 |
| SRT | D3-16010 | Congestive heart failure | 134 |
| SRT | D7-11010 | Renal failure | 135 |
| SRT | R-102B5 | Emergency Percutaneous Coronary Intervention | 136 |
| SRT | R-102B3 | Emergency Coronary Artery Bypass | 137 |
| SRT | D3-30800 | Cardiac arrest | |

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.



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**CID 3756 Cath Patient Risk Factors**

**Context ID 3756**
**Cath Patient Risk Factors**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator | Code Value | Code Meaning | NCDR 2.0b Equivalent Code Value |
|---|---|---|---|
| SRT | G-026D | History of congestive heart failure | 30 |
| SRT | G-023F | History of Diabetes | 31 |
| SRT | R-102B6 | History of renal failure | 32 |
| SRT | R-102B7 | History of chronic lung disease | 33 |
| SRT | G-0102 | History of cerebrovascular disease | 34 |
| SRT | D3-8005B | Peripheral vascular disease | 35 |
| SRT | G-0269 | History of Hypertension | 37 |
| SRT | R-102B8 | History of hypercholesterolemia | 39 |

Note: In prior editions, this Context Group included the NCDR 2.0b codes as the primary set. These have been replaced with equivalent SNOMED codes.

**CID 3802 Plaque Structures**

**Context ID 3802**

**Plaque Structures**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-40448 | fibrous |
| SRT | M-50080 | fatty degeneration |
| SRT | M-55420 | pathologic calcification |
| SRT | M-72000 | hyperplasia |
| SRT | G-A265 | non-calcified |
| SRT | G-A660 | mixed |



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**CID 3804 Stenosis Measurement Methods**

**Context ID 3804**

**Stenosis Measurement Methods**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122655 | NASCET |
| DCM | 122656 | ECST |
| DCM | 122650 | Area Based Method |
| DCM | 122651 | Diameter Based Method |

**CID 3805 Stenosis Types**

**Context ID 3805**

**Stenosis Types**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | D3-81100 | arteriosclerotic vascular disease |
| SRT | M-01460 | compression |
| SRT | R-40448 | fibrous |
| SRT | D3-80505 | Raynaud's disease |
| SRT | M-300F2 | entrapment |
| SRT | D3-80650 | vasculitis |
| SRT | R-423C3 | thrombosis |
| SRT | M-35300 | embolism |
| SRT | D3-80033 | cystic adventitial disease |

**CID 3806 Stenosis Shape**

**Context ID 3806**

**Stenosis Shape**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-4047B | concentric |
| SRT | R-40416 | eccentric |



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**CID 3807 Volume Measurement Methods**

**Context ID 3807**

**Volume Measurement Methods**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122650 | Area Based Method |
| DCM | 122651 | Diameter Based Method |
| DCM | 122652 | Volume Based Method |

**CID 3808 Aneurysm Types**

**Context ID 3808**

**Aneurysm Types**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-32270 | dissecting aneurysm |
| SRT | D3-80017 | inflammatory aneurysm |
| SRT | M-32201 | ruptured aneurysm |
| SRT | M-24614 | berry aneurysm |
| SRT | M-32240 | mixed aneurysm |
| SRT | M-32410 | racemose aneurysm |
| SRT | D3-80002 | cirsoid aneurysm |
| SRT | M-32320 | mycotic aneurysm |
| SRT | M-32206 | compound aneurysm |
| SRT | M-32310 | miliary aneurysm |
| SRT | M-32340 | saccular aneurysm |
| SRT | M-32221 | varicose aneurysm |
| SRT | M-32350 | fusiform aneurysm |
| SRT | M-32210 | traumatic aneurysm |
| SRT | M-32202 | thrombosed aneurysm |
| SRT | M-32203 | expanding aneurysm |
| SRT | M-32204 | calcified aneurysm |
| SRT | M-32208 | multiple aneurysm |
| SRT | M-32360 | cylindroid aneurysm |
| SRT | M-32260 | serpentine aneurysm |



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**CID 3809 Associated Conditions**

**Context ID 3809**

**Associated Conditions**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | D6-90600 | Marfan's Syndrome |
| SRT | M-10000 | Traumatic Abnormality |

**CID 3810 Vascular Morphology**

**Context ID 3810**

**Vascular Morphology**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-01470 | plaque |
| SRT | M-34200 | stenosis |
| SRT | M-32200 | aneurysm |
| SRT | D3-81310 | arterial dissection |
| SRT | A-25500 | stent |
| SRT | M-34000 | occlusion |
| SRT | M-39390 | arteriovenous fistula |
| SRT | M-91200 | angioma |
| SRT | M-32000 | dilatation |
| SRT | R-FAB5E | vascular coiling |
| SRT | M-31790 | tortuosity |
| SRT | M-32700 | diverticulum |
| SRT | M-520F8 | vascular sclerosis |
| SRT | D-80515 | thrombosis |
| SRT | M-32390 | pseudoaneurysm |
| SRT | M-35300 | embolism |
| SRT | M-74880 | fibromuscular dysplasia |



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**CID 3813 Stent Findings**

**Context ID 3813**

**Stent Findings**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-75300 | hypoplasia |
| SRT | M-34200 | stenosis |
| DCM | 122680 | endoleak |
| SRT | DD-661D2 | migration of implant or internal device |
| DCM | 122684 | stent disintegration |
| DCM | 122683 | stent fracture |

**CID 3814 Stent Composition**

**Context ID 3814**

**Stent Composition**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-25502 | metal stent |
| SRT | A-25501 | plastic stent |

**CID 3815 Source of Vascular Finding**

**Context Group 3815**

**Source of Vascular Finding**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | D3-80515 | thrombosis |
| SRT | M-35300 | embolism |
| SRT | M-72000 | hyperplasia |
| SRT | D3-80650 | vasculitis |
| SRT | M-8FFFF | tumor |
| SRT | DD-00001 | trauma |
| SRT | G-B102 | surgical |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-422A4 | after procedure |

**CID 3817 Vascular Sclerosis Types**

**Context ID 3817**

**Vascular Sclerosis Types**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-52450 | adventitial degeneration |
| SRT | M-52210 | arteriosclerosis with fibrinoid necrosis |
| SRT | M-52200 | arteriolosclerosis |
| SRT | M-52000 | arteriosclerosis |
| SRT | M-52100 | atheroma |
| SRT | M-52120 | atherosclerotic fibrous plaque |
| SRT | M-52101 | calcified atheromatous plaque |
| SRT | M-52102 | complicated atheromatous plaque |
| SRT | M-52470 | cystic medical necrosis |
| SRT | M-52240 | elastic vascular sclerosis |
| SRT | M-52130 | fatty streaks |
| SRT | M-52300 | fibroelastosis |
| SRT | M-52302 | diffuse fibroelastosis |
| SRT | M-52301 | focal fibroelastosis |
| SRT | M-52500 | phlebosclerosis |
| SRT | M-52103 | ulcerated atheromatous plaque |
| SRT | M-52400 | vascular wall degeneration |



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**CID 3820 Non-invasive Vascular Procedures**

**Context ID 3820**

**Non-invasive Vascular Procedures**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P5-0903A | vascular MRI |
| SRT | P5-09011 | cardiac MRI |
| SRT | P5-0807F | cardiovascular CT |
| SRT | P5-0802B | CT of abdominal aorta |
| SRT | P5-00A0D | trunk angiography |
| SRT | P5-009BF | peripheral angiography |

**CID 3821 Papillary Muscle Included/Excluded**

**Context ID 3821**

**Papillary Muscle Included/Excluded**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122620 | Papillary Muscle Excluded |
| DCM | 122621 | Papillary Muscle Included |

**CID 3823 Respiratory Status**

**Context ID 3823**

**Respiratory Status**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-20010 | inspiration |
| SRT | F-20020 | expiration |
| SRT | F-20030 | autonomous breathing |
| SRT | R-40928 | Valsalva maneuver |
| DCM | 122612 | central breathing position |
| SRT | F-201BD | shallow breathing |



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**CID 3826 Heart Rhythm**

**Context ID 3826**

**Heart Rhythm**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-33300 | normal sinus rhythm |
| SRT | D3-31500 | atrial arrhythmia |
| SRT | D3-31715 | ventricular arrhythmia |

**CID 3827 Vessel Segments**

**Context ID 3827**

**Vessel Segments**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID(12105) Intracranial Cerebral Vessels | | |
| INCLUDE CID(12106) Unpaired Cerebral Vessels | | |
| INCLUDE CID(12104) Extracranial Arteries | | |
| INCLUDE CID(12109) Lower Extremity Arteries | | |
| INCLUDE CID(12110) Lower Extremity Veins | | |
| INCLUDE CID(12107) Upper Extremity Arteries | | |
| INCLUDE CID(12108) Upper Extremity Veins | | |
| INCLUDE CID(12115) Renal Vessels | | |
| INCLUDE CID(12111) Abdominal Arteries (lateral) | | |
| INCLUDE CID(12112) Abdominal Arteries (unilateral) | | |
| INCLUDE CID(12113) Abdominal Veins (lateral) | | |
| INCLUDE CID(12114) Abdominal Veins (unilateral) | | |
| INCLUDE CID(3015) Coronary Arteries | | |
| INCLUDE CID(3839) Cardiac Veins | | |
| INCLUDE CID(3840) Pulmonary Veins | | |



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**CID 3829 Pulmonary Arteries**

**Context ID 3829**

**Pulmonary Arteries**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-44101 | entire trunk of pulmonary artery |
| SRT | T-44011 | entire suprapulmonic valve area |
| SRT | T-35250 | pulmonary valve sinuses |
| SRT | T-44401 | entire left pulmonary artery |
| SRT | T-44201 | entire right pulmonary artery |

**CID 3831 Stenosis Length**

**Context ID 3831**

**Stenosis Length**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-404AC | long |
| SRT | R-4235F | short |

**CID 3832 Stenosis Grade**

**Context ID 3832**

**Stenosis Grade**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A003 | severe |
| SRT | G-A002 | moderate |
| SRT | R-404FA | mild |



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**CID 3833 Cardiac Ejection Fraction**

**Context ID 3833**

**Cardiac Ejection Fraction**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8810-4 | Left ventricular ejection fraction by CT |
| LN | 8817-9 | Right ventricular ejection fraction by CT |
| LN | 8811-2 | Left ventricular ejection fraction by MR |
| LN | 8818-7 | Right ventricular ejection fraction by MR |

**CID 3835 Volume Measurements**

**Context ID 3835**

**Volume Measurements**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID(3468) ED Volume | | |
| INCLUDE CID(3469) ES Volume | | |
| SRT | F-32120 | stroke volume |

**CID 3836 Time-based Perfusion Measurements**

**Context ID 3836**

**Time-based Perfusion Measurements**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122631 | Signal Earliest Peak Time |
| DCM | 122633 | Signal Increase Start Time |
| DCM | 122634 | Signal Time to Peak |
| DCM | 122638 | Signal Baseline Start |
| DCM | 122639 | Signal Baseline End |



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**CID 3837 Fiducial Feature**

**Context ID 3837**

**Fiducial Feature**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-3215A | Ostium |
| SRT | T-46600 | Renal Artery |
| SRT | T-42580 | Aortic Bifurcation |
| SRT | R-10258 | Common Iliac Bifurcation |

**CID 3838 Diameter Derivation**

**Context ID 3838**

**Diameter Derivation**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID(3488) Min/Max/Mean | | |
| SRT | G-A117 | Transverse |
| DCM | 122675 | Anterior-Posterior |



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**CID 3839 Coronary Veins**

**Context ID 3839**

**Coronary Veins**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-48343 | Azygos Vein |
| SRT | T-48418 | Coronary Sinus |
| SRT | T-48421 | Great Cardiac Vein |
| SRT | T-48436 | Small Cardiac Vein |
| SRT | T-48440 | Anterior Cardiac Vein |
| SRT | T-484A1 | Atrial Vein |
| SRT | T-484A3 | Atrioventricular Vein |
| SRT | T-48431 | Middle Cardiac Vein |
| SRT | T-484A2 | Ventricular Vein |
| SRT | T-48405 | Smallest Cardiac Vein |

**CID 3840 Pulmonary Veins**

**Context ID 3840**

**Pulmonary Veins**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-48500 | Entire Pulmonary Vein |
| SRT | T-4858E | Entire Left Pulmonary Vein |
| SRT | T-4854B | Entire Inferior Left Pulmonary Vein |
| SRT | T-48537 | Entire Superior Left Pulmonary Vein |
| SRT | T-48504 | Entire Right Pulmonary Vein |
| SRT | T-48526 | Entire Inferior Right Pulmonary Vein |
| SRT | T-48515 | Entire Superior Right Pulmonary Vein |



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**CID 3843 Myocardial Subsegment**

**Context ID 3843**

**Myocardial Subsegment**

**Type: Extensible Version: 20051103**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-427E6 | endocardial |
| SRT | R-40940 | epicardial |

**CID 4005 Partial View Section for Mammography**

**Context ID 4005**

**Partial View Section for Mammography**

**Type: Non-Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-404CC | Anterior |
| SRT | R-404CE | Posterior |
| SRT | R-42191 | Superior |
| SRT | R-4094A | Inferior |
| SRT | R-404D5 | Medial |
| SRT | G-A104 | Lateral |
| SRT | G-A110 | Central |

**CID 4009 DX Anatomy Imaged**

**Context ID 4009**
**DX Anatomy Imaged**

**Type: Extensible Version: 20040114**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *INCLUDE CID 4031 Common Anatomic Regions* | | |

**CID 4010 DX View**

**Context ID 4010**
**DX View**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|



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| | | |
|---|---|---|
| SNM3 | R-10202 | frontal |
| SNM3 | R-10204 | frontal oblique |
| SNM3 | R-10206 | antero-posterior |
| SNM3 | R-10208 | antero-posterior oblique |
| SNM3 | R-10210 | right posterior oblique |
| SNM3 | R-10212 | left posterior oblique |
| SNM3 | R-10214 | postero-anterior |
| SNM3 | R-10216 | postero-anterior oblique |
| SNM3 | R-10218 | right anterior oblique |
| SNM3 | R-10220 | left anterior oblique |
| SNM3 | R-10222 | sagittal |
| SNM3 | R-10224 | medial-lateral |
| SNM3 | R-40783 | lateral oblique |
| SNM3 | R-10228 | lateral-medial |
| SNM3 | R-40782 | medial oblique |
| SNM3 | R-10232 | right lateral |
| SNM3 | R-10234 | right oblique |
| SNM3 | R-10236 | left lateral |
| SNM3 | R-10238 | left oblique |
| SNM3 | R-10241 | axial |
| SNM3 | R-10242 | cranio-caudal |
| SNM3 | R-10244 | caudo-cranial |
| SNM3 | R-10246 | oblique axial |
| SNM3 | R-10248 | oblique cranio-caudal |
| SNM3 | R-10250 | oblique caudo-cranial |
| SNM3 | R-10252 | frontal-oblique axial |
| SNM3 | R-10254 | sagittal-oblique axial |
| SNM3 | R-102C1 | oblique |
| SNM3 | R-102CD | lateral |
| SNM3 | R-102C2 | tangential |
| SNM3 | R-10256 | submentovertical |
| SNM3 | R-10257 | verticosubmental |
| SNM3 | R-102C3 | plantodorsal |
| SNM3 | R-102C4 | dorsoplantar |
| SNM3 | R-102C5 | parietoacanthal |
| SNM3 | R-102C6 | acanthoparietal |
| SNM3 | R-102C7 | orbitoparietal |
| SNM3 | R-102C8 | parieto-orbital |

Note: In a prior version of this Context Group, Lateral Oblique was assigned the code R-10226, and Medial Oblique was assigned the code R-10230, as synonymous with Medio-Lateral Oblique and Latero-Medial



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Oblique, respectively. SNOMED currently distinguishes between LO and MLO, and between MO and LMO, although in most radiography contexts there is no practical distinction. Receiving applications should be aware that they may receive SOP Instances with the prior code assignments.

**CID 4011 DX View Modifier**

**Context ID 4011**
**DX View Modifier**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | R-10244 | cephalad |
| SNM3 | R-10242 | caudad |
| SNM3 | R-40885 | transthoracic |
| SNM3 | R-40799 | lordotic |
| SNM3 | R-4087B | transforamenal |
| SNM3 | G-D00B | transoral |
| SNM3 | R-40554 | transorbital |

Note: In a prior version of this Context Group, the codes R-102C9, R-102CA, R-102CB, R-102CC, and R-102CE were specified for various concepts. Those codes are not actually in SNOMED, and their use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.



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**CID 4012 Projection Eponymous Name**

**Context ID 4012**
**Projection Eponymous Name**

**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | R-10261 | Albers-Schonberg |
| SNM3 | R-10262 | Alexander |
| SNM3 | R-10263 | Arcelin |
| SNM3 | R-10264 | Beclere |
| SNM3 | R-10265 | Bertel |
| SNM3 | R-10266 | Blackett-Healy |
| SRT | R-40809 | Brewerton projection |
| SNM3 | R-10267 | Broden |
| SNM3 | R-10268 | Cahoon |
| SNM3 | R-10269 | Caldwell |
| SNM3 | R-1026A | Camp-Coventry |
| SNM3 | R-1026B | Causton |
| SNM3 | R-1026C | Chamberlain |
| SNM3 | R-1026D | Chassard-Lapine |
| SNM3 | R-1026E | Chausse |
| SNM3 | R-1026F | Cleaves |
| SNM3 | R-10270 | Clements |
| SNM3 | R-10271 | Clements-Nakayama |
| SNM3 | R-10272 | Dunlap |
| SNM3 | R-10273 | Ferguson |
| SNM3 | R-10274 | Fleischner |
| SNM3 | R-10275 | Friedman |
| SNM3 | R-10276 | Fuchs |
| SNM3 | R-10277 | Gaynor-Hart |
| SNM3 | R-10278 | Grandy |
| SNM3 | R-10279 | Grashey |
| SNM3 | R-1027A | Haas |
| SRT | R-4080A | Harris Beath axial projection |
| SNM3 | R-1027B | Henschen |
| SNM3 | R-1027C | Hickey |
| SNM3 | R-1027D | Holly |
| SNM3 | R-1027E | Holmblad |
| SNM3 | R-1027F | Hough |
| SNM3 | R-10280 | Hsieh |



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| | | |
|---|---|---|
| SNM3 | R-10281 | Hughston |
| SNM3 | R-10282 | Isherwood |
| SNM3 | R-10283 | Judd |
| SRT | R-4080D | Judet projection |
| SNM3 | R-10284 | Kandel |
| SNM3 | R-10285 | Kasabach |
| SNM3 | R-10286 | Kemp Harper |
| SNM3 | R-10287 | Kovacs |
| SNM3 | R-10288 | Kuchendorf |
| SNM3 | R-10289 | Kurzbauer |
| SNM3 | R-1028A | Laquerriere-Pierquin |
| SNM3 | R-1028B | Lauenstein |
| SNM3 | R-1028C | Law |
| SNM3 | R-1028D | Lawrence |
| SNM3 | R-1028E | Leonard-George |
| SNM3 | R-1028F | Lewis |
| SNM3 | R-10290 | Lilienfeld |
| SNM3 | R-10291 | Lindblom |
| SNM3 | R-10292 | Lorenz |
| SNM3 | R-10293 | Low-Beer |
| SNM3 | R-10294 | Lysholm |
| SNM3 | R-10295 | May |
| SNM3 | R-10296 | Mayer |
| SNM3 | R-10297 | Merchant |
| SNM3 | R-10298 | Miller |
| SRT | R-4080E | Mortice projection |
| SNM3 | R-10299 | Nolke |
| SNM3 | R-1029A | Norgaard |
| SNM3 | R-1029B | Ottonello |
| SNM3 | R-1029C | Pawlow |
| SNM3 | R-1029D | Pearson |
| SNM3 | R-1029E | Penner |
| SNM3 | R-1029F | Pirie |
| SNM3 | R-102A0 | Rhese |
| SNM3 | R-102A1 | Schuller |
| SNM3 | R-102A2 | Settegast |
| SNM3 | R-102A3 | Staunig |
| SNM3 | R-102A4 | Stecher |
| SNM3 | R-102A5 | Stenvers |
| SNM3 | R-102A6 | Swanson |



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| | | |
|---|---|---|
| SNM3 | R-102A7 | Tarrant |
| SNM3 | R-102A8 | Taylor |
| SNM3 | R-102A9 | Teufel |
| SNM3 | R-102AA | Titterington |
| SNM3 | R-102AB | Towne |
| SNM3 | R-102AC | Twining |
| SNM3 | R-102AD | Valdini |
| SRT | R-40816 | Van Rosen projection |
| SNM3 | R-102AE | Waters |
| SNM3 | R-102AF | West Point |
| SNM3 | R-102B0 | Wigby-Taylor |
| SNM3 | R-102B1 | Zanelli |

**CID 4013 Anatomic Region for Mammography**

**Context ID 4013**
**Anatomic Region for Mammography**
**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-04000 | Breast |



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**CID 4014 View for Mammography**

**Context ID 4014**
**View for Mammography**

**Type: Non-Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | ACR MQCM 1999 Equivalent |
|---|---|---|---|
| SNM3 | R-10224 | medio-lateral | ML |
| SNM3 | R-10226 | medio-lateral oblique | MLO |
| SNM3 | R-10228 | latero-medial | LM |
| SNM3 | R-10230 | latero-medial oblique | LMO |
| SNM3 | R-10242 | cranio-caudal | CC |
| SNM3 | R-10244 | caudo-cranial (from below) | FB |
| SNM3 | R-102D0 | superolateral to inferomedial oblique | SIO |
| SNM3 | R-102CF | exaggerated cranio-caudal | XCC |
| SRT | R-1024A | cranio-caudal exaggerated laterally | XCCL |
| SRT | R-1024B | cranio-caudal exaggerated medially | XCCM |

Note: In a prior version of this Context Group, Cranio-Caudal Exaggerated Laterally was assigned the code Y-X1770, and Cranio-Caudal Exaggerated Medially was assigned the code Y-X1771. Those codes are deprecated, as they are not valid SNOMED codes. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated codes, receiving applications should be aware of this change; see Annex J.

**CID 4015 View Modifier for Mammography**

**Context ID 4015**
**View Modifier for Mammography**

**Type: Non-Extensible Version: 20050321**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Applies only when View ACR MQCM 1999 Equivalent (CID 4014) is: | ACR MQCM 1999 Equivalent |
|---|---|---|---|---|
| SNM3 | R-102D2 | Cleavage | CC or FB | CV |
| SNM3 | R-102D1 | Axillary Tail | MLO | AT |
| SNM3 | R-102D3 | Rolled Lateral | any | ...RL |
| SNM3 | R-102D4 | Rolled Medial | any | ...RM |
| SRT | R-102CA | Rolled Inferior | any | …RI |
| SRT | R-102C9 | Rolled Superior | any | …RS |
| SNM3 | R-102D5 | Implant Displaced | any | …ID |
| SNM3 | R-102D6 | Magnification | any | M... |
| SNM3 | R-102D7 | Spot Compression | any | S… |
| SNM3 | R-102C2 | Tangential | any | TAN |



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Note: Some applications and View Modifier ACR MQCM 1999 equivalents have been extended by DICOM to incorporate additional known clinical use cases. The View Modifier ACR MQCM 1999 equivalent indicates its use as a prefix (shown by trailing "…") or suffix (shown by preceding "…") to the View ACR MQCM 1999 equivalent, or replacement for the View ACR MQCM 1999 equivalent.

**CID 4016 Anatomic Region for Intra-oral Radiography**

**Context ID 4016**
**Anatomic Region for Intra-oral Radiography**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-D1213 | Jaw region |
| SNM3 | T-11170 | Maxilla |
| SNM3 | T-11180 | Mandible |
| SNM3 | T-54000 | Teeth, gums and supporting structures |

Note: In a prior version of this table, the code T-D1217 was specified for the concept "Maxilla and mandible". The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

**CID 4017 Anatomic Region Modifier for Intra-oral Radiography**

**Context ID 4017**
**Anatomic Region Modifier for Intra-oral Radiography**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-51005 | Anterior 1 |
| SNM3 | T-51006 | Anterior 2 |
| SNM3 | T-51007 | Anterior 3 |
| SNM3 | T-51008 | Premolar 1 |
| SNM3 | T-51009 | Premolar 2 |
| SNM3 | T-5100A | Molar 1 |
| SNM3 | T-5100B | Molar 2 |
| SNM3 | T-5100C | Molar 3 |
| SNM3 | T-5100D | Occlusal |



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**CID 4018 Primary Anatomic Structure for Intra-oral Radiography (Permanent Dentition – Designation of Teeth)**

**Context ID 4018**
**Primary Anatomic Structure for Intra-oral Radiography**
**(Permanent Dentition - Designation of Teeth)**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | ISO 3950 Designation of Quadrant | ISO 3950 Designation of Tooth |
|---|---|---|---|---|
| SNM3 | T-54210 | Maxillary right third molar tooth | 1 | 8 |
| SNM3 | T-54220 | Maxillary right second molar tooth | 1 | 7 |
| SNM3 | T-54230 | Maxillary right first molar tooth | 1 | 6 |
| SNM3 | T-54240 | Maxillary right second premolar tooth | 1 | 5 |
| SNM3 | T-54250 | Maxillary right first premolar tooth | 1 | 4 |
| SNM3 | T-54260 | Maxillary right canine tooth | 1 | 3 |
| SNM3 | T-54270 | Maxillary right lateral incisor tooth | 1 | 2 |
| SNM3 | T-54280 | Maxillary right central incisor tooth | 1 | 1 |
| SNM3 | T-54290 | Maxillary left central incisor tooth | 2 | 1 |
| SNM3 | T-54300 | Maxillary left lateral incisor tooth | 2 | 2 |
| SNM3 | T-54310 | Maxillary left canine tooth | 2 | 3 |
| SNM3 | T-54320 | Maxillary left first premolar tooth | 2 | 4 |
| SNM3 | T-54330 | Maxillary left second premolar tooth | 2 | 5 |
| SNM3 | T-54340 | Maxillary left first molar tooth | 2 | 6 |
| SNM3 | T-54350 | Maxillary left second molar tooth | 2 | 7 |
| SNM3 | T-54360 | Maxillary left third molar tooth | 2 | 8 |
| SNM3 | T-54370 | Mandibular left third molar tooth | 3 | 8 |
| SNM3 | T-54380 | Mandibular left second molar tooth | 3 | 7 |
| SNM3 | T-54390 | Mandibular left first molar tooth | 3 | 6 |
| SNM3 | T-54400 | Mandibular left second premolar tooth | 3 | 5 |
| SNM3 | T-54410 | Mandibular left first premolar tooth | 3 | 4 |
| SNM3 | T-54420 | Mandibular left canine tooth | 3 | 3 |
| SNM3 | T-54430 | Mandibular left lateral tooth | 3 | 2 |
| SNM3 | T-54440 | Mandibular left central incisor tooth | 3 | 1 |
| SNM3 | T-54450 | Mandibular right central incisor tooth | 4 | 1 |
| SNM3 | T-54460 | Mandibular right lateral incisor tooth | 4 | 2 |
| SNM3 | T-54470 | Mandibular right canine tooth | 4 | 3 |
| SNM3 | T-54480 | Mandibular right first premolar tooth | 4 | 4 |
| SNM3 | T-54490 | Mandibular right second premolar tooth | 4 | 5 |
| SNM3 | T-54500 | Mandibular right first molar tooth | 4 | 6 |
| SNM3 | T-54510 | Mandibular right second molar tooth | 4 | 7 |
| SNM3 | T-54520 | Mandibular right third molar tooth | 4 | 8 |



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**CID 4019 Primary Anatomic Structure for Intra-oral Radiography (Deciduous Dentition – Designation of Teeth)**

**Context ID 4019**
**Primary Anatomic Structure for Intra-oral Radiography**
**(Deciduous Dentition - Designation of Teeth)**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | ISO 3950 Designation of Quadrant | ISO 3950 Designation of Tooth |
|---|---|---|---|---|
| SNM3 | T-54610 | Deciduous maxillary right central incisor tooth | 5 | 1 |
| SNM3 | T-54620 | Deciduous maxillary right lateral incisor tooth | 5 | 2 |
| SNM3 | T-54630 | Deciduous maxillary right canine tooth | 5 | 3 |
| SNM3 | T-54640 | Deciduous maxillary right first molar tooth | 5 | 4 |
| SNM3 | T-54650 | Deciduous maxillary right second molar tooth | 5 | 5 |
| SNM3 | T-54660 | Deciduous maxillary left central incisor tooth | 6 | 1 |
| SNM3 | T-54670 | Deciduous maxillary left lateral incisor tooth | 6 | 2 |
| SNM3 | T-54680 | Deciduous maxillary left canine tooth | 6 | 3 |
| SNM3 | T-54690 | Deciduous maxillary left first molar tooth | 6 | 4 |
| SNM3 | T-54700 | Deciduous maxillary left second molar tooth | 6 | 5 |
| SNM3 | T-54760 | Deciduous mandibular left central incisor tooth | 7 | 1 |
| SNM3 | T-54770 | Deciduous mandibular left lateral incisor tooth | 7 | 2 |
| SNM3 | T-54780 | Deciduous mandibular left canine tooth | 7 | 3 |
| SNM3 | T-54790 | Deciduous mandibular left first molar tooth | 7 | 4 |
| SNM3 | T-54800 | Deciduous mandibular left second molar tooth | 7 | 5 |
| SNM3 | T-54710 | Deciduous mandibular right central incisor tooth | 8 | 1 |
| SNM3 | T-54720 | Deciduous mandibular right lateral incisor tooth | 8 | 2 |
| SNM3 | T-54730 | Deciduous mandibular right canine tooth | 8 | 3 |
| SNM3 | T-54740 | Deciduous mandibular right first molar tooth | 8 | 4 |
| SNM3 | T-54750 | Deciduous mandibular right second molar tooth | 8 | 5 |

**CID 4020 PET Radionuclide**

**Context ID 4020**
**PET Radionuclide**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | C-111A1 | F^18^ [^18^Fluorine] |
| SNM3 | C-159A2 | Rb^82^ [^82^Rubidium] |
| SNM3 | C-107A1 | N^13^ [^13^Nitrogen] |



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|---|---|---|
| SNM3 | C-105A1 | C^11^ [^11^Carbon] |
| SNM3 | C-128A2 | Ge^68^ [^68^Germanium] |
| SNM3 | C-155A1 | Na^22^ [^22^Sodium] |

**CID 4021 PET Radiopharmaceutical**

**Context ID 4021**
**PET Radiopharmaceutical**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-B1043 | Acetate C^11^ |
| SRT | C-B103C | Ammonia N^13^ |
| SRT | C-B103B | Carbon dioxide O^15^ |
| SRT | C-B1045 | Carbon monoxide C^11^ |
| SRT | C-B103A | Carbon monoxide O^15^ |
| SRT | C-B103F | Carfentanil C^11^ |
| SNM3 | C-B1031 | Fluorodeoxyglucose F^18^ |
| SRT | C-B1034 | Fluoro-L-dopa F^18^ |
| SRT | C-B1046 | Germanium Ge^68^ |
| SRT | C-B103D | Glutamate N^13^ |
| SRT | C-B103E | Methionine C^11^ |
| SRT | C-B1038 | Oxygen O^15^ |
| SRT | C-B1039 | Oxygen-water O^15^ |
| SRT | C-B1044 | Palmitate C^11^ |
| SRT | C-B1042 | Raclopride C^11^ |
| SRT | C-B1037 | Rubidium chloride Rb^82^ |
| SNM3 | C-B1032 | Sodium fluoride F^18^ |
| SRT | C-B1047 | Sodium Na^22^ |
| SRT | C-B1033 | Spiperone F^18^ |
| SRT | C-B1036 | Thymidine (FLT)F^18^ |

**CID 4030 CT and MR Anatomy Imaged**

**Context ID 4030**
**CT and MR Anatomy Imaged**

**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *INCLUDE CID 4031 Common Anatomic Regions* | | |
| SNM3 | T-42501 | Abdominal aorta |
| SRT | T-41070 | Abdominal aorta and its branches |



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| | | |
|---|---|---|
| SNM3 | T-B3000 | Adrenal gland |
| SNM3 | T-42303 | Aortic arch |
| SNM3 | T-A0100 | Brain |
| SNM3 | T-45011 | Carotid |
| SNM3 | T-A600A | Cerebellum |
| SNM3 | T-45526 | Circle of Willis |
| SRT | T-43000 | Coronary artery |
| SNM3 | T-A0193 | Cranial venous system |
| SNM3 | T-41040 | Iliac arterial system |
| SNM3 | T-D4909 | Kidney |
| SNM3 | T-62002 | Liver |
| SNM3 | T-D4034 | Pancreas |
| SNM3 | T-B7000 | Parathyroid |
| SRT | T-44000 | Pulmonary artery |
| SRT | T-46600 | Renal artery |
| SNM3 | T-D4035 | Spleen |
| SNM3 | T-9400F | Testis |
| SNM3 | T-4600A | Thoracic aorta |
| SNM3 | T-C8001 | Thymus |
| SNM3 | T-B6000 | Thyroid |
| SNM3 | T-83009 | Uterus |

**CID 4031 Common Anatomic Regions**

**Context ID 4031**
**Common Anatomic Regions**

**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-D4000 | Abdomen |
| SRT | R-FAB57 | Abdomen and Pelvis |
| SNM3 | T-15420 | Acromioclavicular joint |
| SNM3 | T-15750 | Ankle joint |
| SNM3 | T-280A0 | Apex of Lung |
| SNM3 | T-D8200 | Arm |
| SNM3 | T-60610 | Bile duct |
| SNM3 | T-74000 | Bladder |
| SNM3 | T-04000 | Breast |
| SNM3 | T-26000 | Bronchus |
| SNM3 | T-12770 | Calcaneus |
| SNM3 | T-11501 | Cervical spine |



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|---|---|---|
| SRT | T-D00F7 | Cervico-thoracic spine |
| SNM3 | T-D3000 | Chest |
| SRT | R-FAB55 | Chest and Abdomen |
| SRT | R-FAB56 | Chest, Abdomen and Pelvis |
| SNM3 | T-12310 | Clavicle |
| SNM3 | T-11BF0 | Coccyx |
| SNM3 | T-59300 | Colon |
| SNM3 | T-58200 | Duodenum |
| SNM3 | T-D8300 | Elbow |
| SRT | T-D0010 | Entire body |
| SRT | T-D00CC | Entire spine |
| SNM3 | T-56000 | Esophagus |
| SRT | T-DD163 | Esophagus, stomach and duodenum |
| SNM3 | T-D0300 | Extremity |
| SNM3 | T-11196 | Facial bones |
| SNM3 | T-12710 | Femur |
| SNM3 | T-D8800 | Finger |
| SNM3 | T-D9700 | Foot |
| SNM3 | T-12402 | Forearm bone |
| SNM3 | T-63000 | Gall bladder |
| SNM3 | T-D8700 | Hand |
| SNM3 | T-D1100 | Head |
| SRT | T-D1000 | Head and Neck |
| SNM3 | T-32000 | Heart |
| SNM3 | T-15710 | Hip joint |
| SNM3 | T-12410 | Humerus |
| SNM3 | T-58600 | Ileum |
| SRT | T-AB959 | Internal Auditory Canal |
| SNM3 | T-D1213 | Jaw region |
| SNM3 | T-58400 | Jejunum |
| SNM3 | T-D9200 | Knee |
| SNM3 | T-59000 | Large intestine |
| SNM3 | T-24100 | Larynx |
| SNM3 | T-D9400 | Leg |
| SNM3 | T-11503 | Lumbar spine |
| SRT | T-D00F9 | Lumbo-sacral spine |
| SNM3 | T-11180 | Mandible |
| SNM3 | T-11133 | Mastoid bone |
| SNM3 | T-11170 | Maxilla |
| SNM3 | T-D3300 | Mediastinum |



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| | | |
|---|---|---|
| SNM3 | T-11149 | Nasal bone |
| SNM3 | T-D1600 | Neck |
| SRT | R-FAB52 | Neck and Chest |
| SRT | R-FAB53 | Neck, Chest and Abdomen |
| SRT | R-FAB54 | Neck, Chest, Abdomen and Pelvis |
| SNM3 | T-11102 | Optic canal |
| SNM3 | T-D0801 | Orbital region |
| SRT | T-65600 | Pancreatic duct and bile duct systems |
| SNM3 | T-22000 | Paranasal sinus |
| SNM3 | T-61100 | Parotid gland |
| SNM3 | T-12730 | Patella |
| SNM3 | T-D6000 | Pelvis |
| SRT | R-FAB58 | Pelvis and lower extremeties |
| SRT | T-9200B | Prostate |
| SNM3 | T-59600 | Rectum |
| SNM3 | T-11300 | Rib |
| SNM3 | T-15680 | Sacroiliac joint |
| SNM3 | T-11AD0 | Sacrum |
| SNM3 | T-12280 | Scapula |
| SNM3 | T-D1460 | Sella turcica |
| SNM3 | T-12980 | Sesamoid bones of foot |
| SNM3 | T-D2220 | Shoulder |
| SNM3 | T-11100 | Skull |
| SNM3 | T-58000 | Small intestine |
| SNM3 | T-11500 | Spine |
| SNM3 | T-15610 | Sternoclavicular joint |
| SNM3 | T-11210 | Sternum |
| SNM3 | T-57000 | Stomach |
| SNM3 | T-61300 | Submandibular gland |
| SNM3 | T-15770 | Tarsal joint |
| SNM3 | T-15290 | Temporomandibular joint |
| SNM3 | T-11502 | Thoracic spine |
| SRT | T-D00F8 | Thoraco-lumbar spine |
| SNM3 | T-D8810 | Thumb |
| SNM3 | T-D9800 | Toe |
| SNM3 | T-25000 | Trachea |
| SNM3 | T-70010 | Upper urinary tract |
| SRT | T-73800 | Ureter |
| SNM3 | T-75000 | Urethra |
| SNM3 | T-88920 | Uterus and fallopian tubes |



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|---|---|---|
| SRT | T-11011 | Vertebral column and cranium |
| SNM3 | T-D8600 | Wrist |
| SNM3 | T-11167 | Zygomatic arch |

Note: In a prior version of this table, the code T-D1217 was specified for the concept “Maxilla and mandible”. The use of this code conflicts with its assignment to another concept in SNOMED, and its use in this context is deprecated. Although there is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use, receiving applications should be aware of this change; see Annex J.

**CID 4032 MR Spectroscopy Metabolites**

**Context ID 4032**
**MR Spectroscopy Metabolites**
**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 4033 MR Proton Spectroscopy Metabolites* | | |

**CID 4033 MR Proton Spectroscopy Metabolites**

**Context ID 4033**
**MR Proton Spectroscopy Metabolites**
**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-6175A | N-acetylaspartate |
| SRT | F-61620 | Choline |
| SRT | F-61380 | Creatine |
| SRT | F-61760 | Lactate |
| SRT | F-63600 | Lipid |
| DCM | 113080 | Glutamate and glutamine |
| SRT | F-64210 | Glutamine |
| SRT | F-64460 | Tuarine |
| SRT | F-61A90 | Inositol |
| DCM | 113081 | Choline/Creatine Ratio |
| DCM | 113082 | N-acetylaspartate/Creatine Ratio |
| DCM | 113083 | N-acetylaspartate/Choline Ratio |

Note: For the purpose of this context group, where possible, the resonance peak in the spectrum corresponding to a particular metabolite is described using the concept from SNOMED for the substance corresponding to the metabolite. E.g. the code used for “lipid” is the code for “lipid (substance)”, as this concept is effectively post-coordinated pre-coordinated by its use in the Metabolite Map Code Sequence (0018,9083) to mean “lipid resonance peaks in MR spectroscopy”.



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**CID 4040 Endoscopy Anatomic Regions**

**Context ID 4040**
**Endoscopy Anatomic Regions**

**Type: Extensible Version: 20040326**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-D4000 | Abdomen |
| SRT | T-59490 | Anus, rectum and sigmoid colon |
| SRT | T-60610 | Bile duct |
| SRT | T-74000 | Bladder |
| SRT | T-DD123 | Bladder and urethra |
| SRT | T-26000 | Bronchus |
| SRT | T-83200 | Cervix |
| SRT | T-D3000 | Chest |
| SRT | T-DD163 | Esophagus, stomach and duodenum |
| SRT | T-AB200 | External auditory canal |
| SRT | T-63000 | Gall bladder |
| SRT | T-D7000 | Inguinal region |
| SRT | T-15001 | Joint |
| SRT | T-71000 | Kidney |
| SRT | T-D9200 | Knee |
| SRT | T-59000 | Large intestine |
| SRT | T-24100 | Larynx |
| SRT | T-40230 | Lumen of blood vessel |
| SRT | T-D3300 | Mediastinum |
| SRT | T-2300C | Naso pharynx |
| SRT | T-22000 | Paranasal sinus |
| SRT | T-55002 | Pharynx |
| SRT | T-20101 | Pharynx and larynx |
| SRT | T-59600 | Rectum |
| SRT | T-D2220 | Shoulder |
| SRT | T-59470 | Sigmoid colon |
| SRT | T-11500 | Spine |
| SRT | T-DD006 | Trachea and bronchus |
| SRT | T-70010 | Upper urinary tract |
| SRT | T-73800 | Ureter |
| SRT | T-88920 | Uterus and fallopian tubes |



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Note: See Annex I for examples of the relationship between anatomic regions and type of endoscopy performed.

**CID 4042 XA/XRF Anatomy Imaged**

**Context ID 4042**
**XA/XRF Anatomy Imaged**
**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *INCLUDE CID 3010 Cardiovascular Anatomic Locations* | | |
| *INCLUDE CID 4031 Common Anatomic Regions* | | |

**CID 4051 General Devices**

**Context ID 4051**
**General Devices**
**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *INCLUDE CID 8 Angiographic Interventional Devices* | | |
| *INCLUDE CID 3451 Calibration Objects* | | |
| *INCLUDE CID 4052 Phantom Devices* | | |

**CID 4052 Phantom Devices**

**Context ID 4052**
**Phantom Devices**
**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113681 | Phantom |
| DCM | 113682 | ACR Accreditation Phantom - CT |
| DCM | 113683 | ACR Accreditation Phantom - MR |
| DCM | 113684 | ACR Accreditation Phantom - Mammography |
| DCM | 113685 | ACR Accreditation Phantom – Stereotactic Breast Biopsy |
| DCM | 113686 | ACR Accreditation Phantom - ECT |
| DCM | 113687 | ACR Accreditation Phantom - PET |
| DCM | 113688 | ACR Accreditation Phantom – ECT/PET |
| DCM | 113689 | ACR Accreditation Phantom – PET Faceplate |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113690 | IEC Head Dosimetry Phantom |
| DCM | 113691 | IEC Body Dosimetry Phantom |
| DCM | 113692 | NEMA XR21-2000 Phantom |

**CID 4200 Ophthalmic Imaging Agent**

**Context ID 4200**
**Ophthalmic Imaging Agent**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-B02CC | Fluorescein |
| SRT | C-B0156 | Indocyanine green |
| SRT | C-B0295 | Rose Bengal |
| SRT | C-22853 | Trypan blue |
| SRT | C-B02C5 | Methylene blue |

**CID 4201 Patient Eye Movement Command**

**Context ID 4201**
**Patient Eye Movement Command**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-1022D | Primary gaze |
| SRT | R-404BF | Upward gaze |
| SRT | R-404B9 | Left upgaze |
| SRT | R-404BC | Left gaze |
| SRT | R-404B7 | Left downgaze |
| SRT | R-404B6 | Downgaze |
| SRT | R-404B8 | Right downgaze |
| SRT | R-404BD | Right gaze |
| SRT | R-404BA | Right upgaze |
| SRT | R-10227 | Convergent gaze |



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**CID 4202 Ophthalmic Photography Acquisition Device**

**Context ID 4202**
**Ophthalmic Photography Acquisition Device**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-1021A | Fundus Camera |
| SRT | A-2B201 | Biomicroscope |
| SRT | R-1021B | External Camera |
| SRT | R-1021C | Specular Microscope |
| SRT | A-2B210 | Operating Microscope |
| SRT | A-00E8A | Scanning Laser Ophthalmoscope |
| SRT | R-1021D | Indirect Ophthalmoscope |
| SRT | R-1021E | Direct Ophthalmoscope |
| SRT | R-1021F | Ophthalmic Endoscope |
| SRT | A-00FCA | Keratoscope |

**CID 4203 Ophthalmic Photography Illumination**

**Context ID 4203**
**Ophthalmic Photography Illumination**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-1020E | Dual diffuse direct illumination |
| SRT | R-1020F | Fine slit beam direct illumination |
| SRT | R-10211 | Broad tangential direct illumination |
| SRT | R-10213 | Indirect sclerotic scatter illumination |
| SRT | R-10215 | Indirect retroillumination from the iris |
| SRT | R-10217 | Indirect retroillumination from the retina |
| SRT | R-10218 | Indirect iris transillumination |

Reference: From the OPS web site: http://www.opsweb.org/Op-Photo/SlitLamp/SL/SlitLamp.htm

**CID 4204 Ophthalmic Filter**

**Context ID 4204**
**Ophthalmic Filter**
**Type: Extensible Version: 20040921**



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111601 | Green filter |
| DCM | 111602 | Red filter |
| DCM | 111603 | Blue filter |
| DCM | 111604 | Yellow-green filter |
| DCM | 111605 | Blue-green filter |
| DCM | 111606 | Infrared filter |
| DCM | 111607 | Polarizing filter |
| DCM | 111609 | No filter |

**CID 4205 Ophthalmic Lens**

**Context ID 4205**
**Ophthalmic Lens**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-10219 | Indirect ophthalmoscopy lens |
| SRT | R-10239 | Concave contact fundus lens |
| SRT | R-1023A | Concave noncontact fundus lens |
| SRT | R-1023B | Contact fundus lens |
| SRT | A-00FAD | Goniolens |
| SRT | R-1023D | Convex noncontact fundus lens |
| SRT | R-1023E | Noncontact fundus lens |
| SRT | R-1023C | Convex contact fundus len |

**CID 4206 Ophthalmic Channel Description**

**Context ID 4206**
**Ophthalmic Channel Description**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A12F | Blue |
| SRT | R-102C0 | Full Spectrum |
| SRT | G-A11E | Green |
| SRT | R-102BE | Infrared |
| SRT | G-A11A | Red |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A132 | Red free |
| SRT | R-102BF | Ultraviolet |

**CID 4207 Ophthalmic Image Position**

**Context ID 4207**
**Ophthalmic Image Position**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-10229 | Diabetic Retinopathy Study field 1 |
| SRT | R-1022A | Diabetic Retinopathy Study field 2 |
| SRT | R-1022B | Diabetic Retinopathy Study field 3 |
| SRT | R-1022C | Diabetic Retinopathy Study field 4 |
| SRT | R-1022E | Diabetic Retinopathy Study field 5 |
| SRT | R-1022F | Diabetic Retinopathy Study field 6 |
| SRT | R-10231 | Diabetic Retinopathy Study field 7 |
| DCM | 111621 | Field 1 for Joslin 3 field |
| DCM | 111622 | Field 2 for Joslin 3 field |
| DCM | 111623 | Field 3 for Joslin 3 field |

**CID 4208 Mydriatic Agent**

**Context ID 4208**
**Mydriatic Agent**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-677B9 | Atropine |
| SRT | C-677C0 | Homatropine |
| SRT | C-97520 | Cyclopentolate |
| SRT | C-68165 | Phenylephrine |
| SRT | C-97580 | Tropicamide |



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**CID 4209 Ophthalmic Anatomic Structure Imaged**

**Context ID 4209**
**Ophthalmic Anatomic Structure Imaged**
**Type: Extensible Version: 20040921**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-AA050 | Anterior chamber of eye |
| SRT | T-AA180 | Both eyes |
| SRT | T-AA310 | Choroid of eye |
| SRT | T-AA400 | Ciliary body |
| SRT | T-AA860 | Conjunctiva |
| SRT | T-AA200 | Cornea |
| SRT | T-AA000 | Eye |
| SRT | T-AA810 | Eyelid |
| SRT | T-AA621 | Fovea centralis |
| SRT | T-AA500 | Iris |
| SRT | T-AA862 | Lacrimal caruncle |
| SRT | T-AA910 | Lacrimal gland |
| SRT | T-AA940 | Lacrimal sac |
| SRT | T-AA700 | Lens |
| SRT | T-AA830 | Lower Eyelid |
| SRT | T-45400 | Ophthalmic artery |
| SRT | T-AA630 | Optic nerve head |
| SRT | T-AA610 | Retina |
| SRT | T-AA110 | Sclera |
| SRT | T-AA820 | Upper Eyelid |



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**CID 5000 Languages**

Context Group ID 5000 comprises the language tag coding scheme of RFC 3066. The Coding Scheme Designator (0008,0102) shall be RFC3066.

Notes: 1. The RFC 3066 coding scheme is constructed from a primary subtag component encoded using the language codes of ISO 639, plus two codes for extensions for languages not represented in ISO 639. The code optionally includes a second subtag component encoded using the two letter country codes of ISO 3166, or a language code extension registered by the Internet Assigned Names Authority.

2. RFC 3066 may be obtained at http://www.ietf.org/rfc/rfc3066.txt. RFC 3066 obsoletes RFC 1766.

3. ISO 639 may be obtained at http://www.loc.gov/standards/iso639-2/langhome.html.

4. The two letter country codes of ISO 3166 may be obtained at http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html

5. IANA language tag registrations may be obtained at http://www.iana.org/assignments/language-tags

6. In previous editions of the Standard, this Context Group formerly included the three letter language codes of ISO 639-2/B, using Coding Scheme Designator ISO639_2, and several IANA-registered language code extensions, using Coding Scheme Designator IANARFC1766. RFC 3066 identifies a preference for the ISO 639-1 two letter codes to the ISO 639-2 three letter codes, and the ISO 639-2/T (terminology) subset to the ISO 639-2/B (bibliographic) subset.

7. In previous editions of the Standard, this Context Group provided only language identifiers, with national or regional variant identified in a separate attribute or Content Item.

**CID 5001 Countries**

Context Group ID 5001 comprises the two letter country code scheme of ISO 3166. The Coding Scheme Designator (0008,0102) shall be ISO3166_1.

Note: The two letter country codes of ISO 3166 may be obtained at http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html



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**CID 6000 Overall Breast Composition**

**Context ID 6000**
**Overall Breast Composition**

**Type: Extensible Version: 20020904**

Note: In future extensions, Overall Breast Composition terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6001* | | |

**CID 6001 Overall Breast Composition from BI-RADS®**

**Context ID 6001**
**Overall Breast Composition from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E77)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01711 | Almost entirely fat |
| SRT | F-01712 | Scattered fibroglandular densities |
| SRT | F-01713 | Heterogeneously dense |
| SRT | F-01714 | Extremely dense |

**CID 6002 Change Since Last Mammogram or Prior Surgery**

**Context ID 6002**
**Change Since Last Mammogram or Prior Surgery**

**Type: Extensible Version: 20020904**

Note: In future extensions, Change Since Last Mammogram or Prior Surgery terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6003* | | |

**CID 6003 Change Since Last Mammogram or Prior Surgery from BI-RADS®**

**Context ID 6003**
**Change Since Last Mammogram or Prior Surgery from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E79)



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01721 | New finding |
| SRT | F-01722 | Finding partially removed |
| SRT | F-01723 | No significant changes in the finding |
| SRT | M-02520 | Increase in size |
| SRT | M-02530 | Decrease in size |
| SRT | F-01726 | Increase in number of calcifications |
| SRT | F-01727 | Decrease in number of calcifications |
| SRT | F-01728 | Less defined |
| SRT | F-01729 | More defined |
| SRT | F-0172A | Removal of implant since previous mammogram |
| SRT | F-0172B | Implant revised since previous mammogram |

**CID 6004 Mammography Characteristics of Shape**

**Context ID 6004**
**Mammography Characteristics of Shape**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Characteristics of Shape terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6005* | | |

**CID 6005 Characteristics of Shape from BI-RADS®**

**Context ID 6005**
**Characteristics of Shape from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E80)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | M-02100 | Round shape |
| SNM3 | M-02120 | Ovoid shape (Oval) |
| SNM3 | G-A640 | Lobular |
| SNM3 | G-A402 | Irregular |



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**CID 6006 Mammography Characteristics of Margin**

**Context ID 6006**
**Mammography Characteristics of Margin**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Characteristics of Margin terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6007* | | |

**CID 6007 Characteristics of Margin from BI-RADS®**

**Context ID 6007**
**Characteristics of Margin from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01741 | Circumscribed lesion |
| SRT | F-01742 | Microlobulated lesion |
| SRT | F-01743 | Obscured lesion |
| SRT | F-01744 | Indistinct lesion |
| SRT | F-01745 | Spiculated lesion |
| DCM | 111343 | Angular margins |

**CID 6008 Density Modifier**

**Context ID 6008**
**Density Modifier**

**Type: Extensible Version: 20020904**

Note: In future extensions, Density Modifier terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6009* | | |

**CID 6009 Density Modifier from BI-RADS®**

**Context ID 6009**
**Density Modifier from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E82)



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01751 | High density lesion |
| SRT | F-01752 | Equal density (isodense) lesion |
| SRT | F-01753 | Low density (not containing fat) lesion |
| SRT | F-01754 | Fat containing (radiolucent) lesion |

**CID 6010 Mammography Calcification Types**

**Context ID 6010**
**Mammography Calcification Types**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Calcification Types terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6011* | | |

**CID 6011 Calcification Types from BI-RADS®**

**Context ID 6011**
**Calcification Types from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01761 | Coarse (popcorn-like) calcification |
| SRT | F-01762 | Dystrophic calcification |
| SRT | F-01763 | Eggshell calcification |
| SRT | F-01764 | Large rod-like calcification |
| SRT | F-01765 | Milk of calcium calcification |
| SRT | F-01766 | Lucent-centered calcification |
| SRT | F-01767 | Punctate calcification |
| SRT | F-01768 | Round shaped calcification |
| SRT | F-01769 | Calcified skin of breast |
| SRT | F-0176A | Calcified suture material |
| SRT | F-0176B | Vascular calcification |
| SRT | F-0176C | Amorphous calcification |
| SRT | F-0176D | Fine, linear (casting) calcification |
| SRT | F-0176E | Fine linear, branching (casting) calcification |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-0176F | Heterogeneous calcification |
| DCM | 111344 | Fine pleomorphic calcification |
| SRT | D7-90435 | Microcalcifications of the breast |
| DCM | 111345 | Macrocalcifications |

**CID 6012 Calcification Distribution Modifier**

**Context ID 6012**
**Calcification Distribution Modifier**

**Type: Extensible Version: 20020904**

Note: In future extensions, Calcification Distribution Modifier terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6013* | | |

**CID 6013 Calcification Distribution Modifier from BI-RADS®**

**Context ID 6013**
**Calcification Distribution Modifier from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01770 | Diffuse calcification distribution |
| SRT | F-01771 | Linear calcification distribution |
| SRT | F-01772 | Grouped calcification distribution |
| SRT | F-01773 | Regional calcification distribution |
| SRT | F-01774 | Segmental calcification distribution |
| DCM | 111346 | Calcifications within a mass |
| DCM | 111347 | Calcifications outside of a mass |

**CID 6014 Mammography Single Image Finding**

**Context ID 6014**
**Mammography Single Image Finding**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Single Image Finding terms that are not derived from BI-RADS® should be added to this context group.



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6015* | | |
| DCM | 111099 | Selected region |
| DCM | 111100 | Breast geometry |
| DCM | 111101 | Image Quality |
| DCM | 111102 | Non-lesion |
| SNM3 | T-04100 | Nipple |

**CID 6015 Single Image Finding from BI-RADS®**

**Context ID 6015**
**Single Image Finding from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: Collected from BI-RADS®

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| SRT | | F-01796 | Mammographic breast density |
| SRT | | F-01776 | Individual Calcification |
| SRT | | F-01775 | Calcification Cluster |
| SRT | | F-01795 | Architectural distortion of breast |
| SRT | | F-01797 | Tubular density |
| SRT | | T-C4351 | Intra-mammary lymph node |
| SRT | | F-01798 | Trabecular thickening of breast |
| SRT | | F-01710 | Breast composition |
| SRT | | F-01799 | Skin retraction of breast |
| SRT | | F-0179A | Skin thickening of breast |
| BI | 3.0 | I.E.6 | Axillary adenopathy |
| SNM3 | | D0-00050 | Skin lesion |
| DCM | | 111111 | Cooper’s ligament changes |
| SRT | | M-36300 | Edema |
| DCM | | 111112 | Mass in the skin |
| DCM | | 111113 | Mass on the skin |
| SRT | | T-C4710 | Axillary lymph node |

**CID 6016 Mammography Composite Feature**

**Context ID 6016**
**Mammography Composite Feature**

**Type: Extensible Version: 20050110**

Note: In future extensions, Mammography Composite Feature terms that are not derived from BI-RADS® should be added to this context group.



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111459 | Mass with calcifications |
| *Include CID 6014* | | |
| *Include CID 6017* | | |

**CID 6017 Composite Feature from BI-RADS®**

**Context ID 6017**
**Composite Feature from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: Collected from BI-RADS® Third Edition

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01791 | Mammographic breast mass |
| SRT | F-01792 | Focal asymmetric breast tissue |
| SRT | F-01793 | Asymmetric breast tissue |

**CID 6018 Clockface Location or Region**

**Context ID 6018**
**Clockface Location or Region**

**Type: Extensible Version: 20020904**

Note: In future extensions, Clockface Location or Region terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6019* | | |
| SRT | T-D3050 | Chest wall |

**CID 6019 Clockface Location or Region from BI-RADS®**

**Context ID 6019**
**Clockface Location or Region from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® 3.1, with Addendum 3.1 (National Mammography Database, E96)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01781 | 1 o'clock position |
| SRT | F-01782 | 2 o'clock position |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01783 | 3 o'clock position |
| SRT | F-01784 | 4 o'clock position |
| SRT | F-01785 | 5 o'clock position |
| SRT | F-01786 | 6 o'clock position |
| SRT | F-01787 | 7 o'clock position |
| SRT | F-01788 | 8 o'clock position |
| SRT | F-01789 | 9 o'clock position |
| SRT | F-0178A | 10 o'clock position |
| SRT | F-0178B | 11 o'clock position |
| SRT | F-0178C | 12 o'clock position |
| SRT | F-0178D | Subareolar region |
| SRT | F-0178E | Axillary tail region |
| SRT | F-0178F | Central region of breast |
| SRT | F-01794 | Axilla region |

**CID 6020 Quadrant Location**

**Context ID 6020**
**Quadrant Location**

**Type: Extensible Version: 20020904**

Note: In future extensions, Quadrant Location terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| Include CID 6021 | | |

**CID 6021 Quadrant Location from BI-RADS®**

**Context ID 6021**
**Quadrant Location from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E97)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-04004 | Upper outer quadrant of breast |
| SRT | T-04002 | Upper inner quadrant of breast |
| SRT | T-04005 | Lower outer quadrant of breast |
| SRT | T-04003 | Lower inner quadrant of breast |



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**CID 6022 Side**

**Context ID 6022**
**Side**

**Type: Non-Extensible Version: 20020904**

Note: In future extensions, Side terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6023* | | |

**CID 6023 Side from BI-RADS®**

**Context ID 6023**
**Side from BI-RADS®**

**Type: Non-Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E98)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-04030 | Left breast |
| SNM3 | T-04020 | Right breast |
| SNM3 | T-04080 | Both breasts |

**CID 6024 Depth**

**Context ID 6024**
**Depth**

**Type: Extensible Version: 20020904**

Note: In future extensions, Depth terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6025* | | |

**CID 6025 Depth from BI-RADS®**

**Context ID 6025**
**Depth from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition (National Mammography Database, E99)



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A105 | Anterior |
| SNM3 | G-A109 | Middle |
| SNM3 | G-A106 | Posterior |

**CID 6026 Mammography Assessment**

**Context ID 6026**
**Mammography Assessment**

**Type: Extensible Version: 20050822**

Note: In future extensions, Mammography Assessment terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6027* | | |
| DCM | 111120 | Post Procedure Mammograms for Marker Placement |

**CID 6027 Assessment from BI-RADS®**

**Context ID 6027**
**Assessment from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| BI | 3.0 | II.AC.a | 0 - Need additional imaging evaluation |
| BI | 3.0 | II.AC.b.1 | 1 – Negative |
| BI | 3.0 | II.AC.b.2 | 2 – Benign Finding |
| BI | 3.0 | II.AC.b.3 | 3 - Probably Benign Finding – short interval follow-up |
| BI | 3.0 | II.AC.b.4 | 4 - Suspicious abnormality, biopsy should be considered |
| BI | 4.0 | MA.II.A.5.4A | 4A – Low suspicion |
| BI | 4.0 | MA.II.A.5.4B | 4B – Intermediate suspicion |
| BI | 4.0 | MA.II.A.5.4C | 4C – Moderate suspicion |
| BI | 3.0 | II.AC.b.5 | 5 - Highly suggestive of malignancy, take appropriate action |
| BI | 4.0 | MA.II.A.5.6 | 6 - Known biopsy proven malignancy |



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**CID 6028 Mammography Recommended Follow-up**

**Context ID 6028**
**Mammography Recommended Follow-up**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Recommended Follow-up terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6029* | | |
| DCM | 111121 | Follow-up post biopsy as directed by clinician |
| SRT | P0-006F1 | Nuclear medicine procedure |
| SRT | P0-009B4 | Evaluation procedure |
| DCM | 111410 | Surgical consult |

**CID 6029 Recommended Follow-up from BI-RADS®**

**Context ID 6029**
**Recommended Follow-up from BI-RADS®**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111135 | Additional projections |
| SRT | R-102D6 | Magnification views |
| SRT | R-102D7 | Spot compression |
| DCM | 111136 | Spot magnification view(s) |
| SRT | P5-B0099 | Ultrasound procedure |
| DCM | 111138 | Old films for comparison |
| SRT | P5-40060 | Mammary ductogram |
| DCM | 111140 | Normal interval follow-up |
| DCM | 111141 | Any decision to biopsy should be based on clinical assessment |
| DCM | 111142 | Follow-up at short interval (1-11 months) |
| DCM | 111143 | Biopsy should be considered |
| DCM | 111144 | Needle localization and biopsy |
| DCM | 111145 | Histology using core biopsy |
| DCM | 111146 | Suggestive of malignancy – take appropriate action |
| DCM | 111147 | Cytologic analysis |
| DCM | 111148 | Biopsy should be strongly considered |
| DCM | 111149 | Highly suggestive of malignancy – take appropriate action |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111122 | Known biopsy proven malignancy – take appropriate action |
| SRT | P5-0900D | MRI of breast |

**CID 6030 Mammography Pathology Codes**

**Context ID 6030**
**Mammography Pathology Codes**

**Type: Extensible Version: 20020904**

Note: In future extensions, Mammography Pathology Codes terms that are not derived from BI-RADS® should be added to this context group.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6031* | | |
| *Include CID 6032* | | |
| *Include CID 6033* | | |

**CID 6031 Benign Pathology Codes from BI-RADS®**

**Context ID 6031**
**Benign Pathology Codes from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | M-41610 | Abscess |
| SNM3 | M-74200 | Adenosis |
| SNM3 | M-81400 | Adenoma |
| SNM3 | M-83240 | Adenolipoma |
| SNM3 | M-73310 | Apocrine Metaplasia |
| SNM3 | M-89830 | Adenomyoepithelioma |
| SNM3 | M-55160 | Amyloid (tumor) |
| DCM | 111251 | Normal axillary node |
| SNM3 | M-88610 | Angiolipoma |
| DCM | 111252 | Axillary node with calcifications |
| SNM3 | M-76100 | Angiomatosis |
| DCM | 111253 | Axillary node hyperplasia |
| SNM3 | F-8A063 | Asynchronous involution of breast |
| SNM3 | D7-90360 | Cyst of breast |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111255 | Benign cyst with blood |
| DCM | 111256 | Benign Calcifications |
| SNM3 | M-92200 | Chondroma |
| SNM3 | M-85040 | Intracystic papilloma |
| DCM | 111258 | Ductal adenoma |
| SNM3 | D7-90370 | Mammary duct ectasia |
| DCM | 111259 | Diabetic fibrous mastopathy |
| SNM3 | M-72170 | Ductal hyperplasia, Usual |
| SNM3 | M-88211 | Extra abdomenal desmoid |
| SNM3 | D4-48014 | Ectopic (accessory) breast tissue |
| SNM3 | M-33410 | Epidermal inclusion cyst |
| SNM3 | M-36300 | Edema |
| SNM3 | M-90100 | Fibroadenoma |
| DCM | 111263 | Fibroadenomatoid hyperplasia |
| DCM | 111264 | Fibroadenolipoma |
| SNM3 | M-44140 | Foreign body (reaction) |
| SNM3 | D7-90310 | Fibrocystic disease of breast |
| SNM3 | M-78266 | Focal fibrosis |
| SNM3 | M-78800 | Fibromatosis |
| SNM3 | D7-90434 | Fat necrosis of breast |
| SNM3 | D7-90364 | Galactocele |
| SNM3 | M-95800 | Granular cell tumor |
| SNM3 | M-90160 | Giant fibroadenoma |
| SNM3 | D7-90420 | Gynecomastia |
| SNM3 | M-75500 | Hamartoma |
| SNM3 | M-91200 | Hemangioma |
| SNM3 | D3-F0620 | Hemangioma of subcutaneous tissue |
| SNM3 | M-91220 | Hemangioma – venous |
| SNM3 | M-35060 | Hematoma |
| SNM3 | M-72000 | Hyperplasia, usual |
| SNM3 | D7-90452 | Infarction of breast |
| SNM3 | M-40000 | Inflammation |
| SNM3 | T-C4351 | Intra-mammary lymph node |
| SNM3 | M-85030 | Intraductal papilloma |
| SNM3 | M-90300 | Juvenile fibroadenoma |
| DCM | 111277 | Juvenile papillomatosis |
| SNM3 | M-82040 | Lactating adenoma |
| SNM3 | M-88500 | Lipoma of the breast |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111279 | Lactational change |
| SNM3 | D7-90428 | Breast lobular hyperplasia |
| SNM3 | M-88900 | Leiomyoma |
| SNM3 | T-C4000 | Lymph node |
| DCM | 111281 | Large duct papilloma |
| SNM3 | D3-87780 | Thrombophlebitis of breast (Mondor's disease) |
| SNM3 | M-88250 | Myofibroblastoma |
| DCM | 111284 | Microglandular adenosis |
| DCM | 111285 | Multiple Intraductal Papillomas |
| DCM | 111286 | No abnormality |
| DCM | 111287 | Normal breast tissue |
| SNM3 | M-95400 | Neurofibroma |
| SNM3 | M-95401 | Neurofibromatosis |
| SNM3 | D7-F0810 | Benign neoplasm of nipple of female breast (Nipple adenoma) |
| DCM | 111290 | Oil cyst (fat necrosis cyst) |
| SNM3 | M-80500 | Papilloma |
| SNM3 | M-89400 | Pleomorphic adenoma |
| DCM | 111291 | Post reduction mammoplasty |
| DCM | 111292 | Pseudoangiomatous stromal hyperplasia |
| SNM3 | M-78731 | Radial scar |
| SNM3 | M-74220 | Sclerosing adenosis |
| SNM3 | M-36050 | Seroma |
| DCM | 111296 | Silicone granuloma |
| SNM3 | M-78060 | Scar tissue |
| SNM3 | M-82110 | Tubular adenoma |
| DCM | 111298 | Virginal hyperplasia |

**CID 6032 High Risk Lesions Pathology Codes from BI-RADS®**

**Context ID 6032**
**High Risk Lesions Pathology Codes from BI-RADS®**

**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | M-72175 | Atypical intraductal hyperplasia |
| SNM3 | M-72105 | Atypical lobular hyperplasia |



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| | | |
|---|---|---|
| SNM3 | D7-F0A02 | Lobular carcinoma in situ of breast |
| DCM | 111299 | Peripheral duct papillomas |
| SNM3 | M-90201 | Phyllodes tumor |

**CID 6033 Malignant Pathology Codes from BI-RADS®**

**Context ID 6033**
**Malignant Pathology Codes from BI-RADS®**
**Type: Extensible Version: 20020904**

Note: From BI-RADS® Third Edition, with Addendum 3.1 (National Mammography Database, F110)

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | M-82003 | Adenoid cystic carcinoma |
| DCM | 111300 | Axillary node with lymphoma |
| DCM | 111301 | Axillary nodal metastases |
| SNM3 | M-84013 | Apocrine adenocarcinoma |
| SNM3 | M-91203 | Angiosarcoma |
| DCM | 111307 | Basal cell carcinoma of nipple |
| DCM | 111303 | Blood vessel (vascular) invasion |
| SNM3 | M-84803 | Mucinous adenocarcinoma (Colloid carcinoma) |
| DCM | 111304 | Carcinoma in children |
| SNM3 | M-92203 | Chondrosarcoma |
| DCM | 111305 | Carcinoma in ectopic breast |
| DCM | 111306 | Carcinoma with endocrine differentiation |
| SNM3 | M-85012 | Comedocarcinoma (intraductal) |
| SNM3 | D7-F0902 | Carcinoma in situ of male breast |
| SNM3 | M-85733 | Carcinoma with metaplasia |
| DCM | 111309 | Cartilaginous and osseous change |
| DCM | 111310 | Carcinoma in pregnancy and lactation |
| SNM3 | M-89803 | Carcinosarcoma |
| DCM | 111312 | Intraductal comedocarcinoma with necrosis |
| DCM | 111341 | Intraductal carcinoma, high grade |
| DCM | 111313 | Intraductal carcinoma, low grade |
| SNM3 | M-85072 | Intraductal carcinoma micro-papillary |
| SNM3 | M-88103 | Fibrosarcoma |
| SNM3 | M-83153 | Glycogen-rich carcinoma |
| SNM3 | M-91501 | Hemangiopericytoma |
| SNM3 | M-96503 | Hodgkin’s disease (lymphoma) |
| SNM3 | M-82013 | Invasive cribriform carcinoma |
| DCM | 111315 | Intracystic papillary carcinoma |
| SNM3 | M-85003 | Infiltrating duct carcinoma |



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| | | |
|---|---|---|
| DCM | 111316 | Invasive and in-situ carcinoma |
| SNM3 | M-85203 | Invasive lobular carcinoma |
| SNM3 | M-85303 | Inflammatory carcinoma |
| SNM3 | M-80503 | Papillary carcinoma (invasive) |
| DCM | 111318 | Leukemic infiltration |
| SNM3 | M-88903 | Leiomyosarcoma |
| SNM3 | M-88503 | Liposarcoma |
| SNM3 | M-83143 | Lipid-rich (lipid-secreting) carcinoma |
| DCM | 111320 | Lympathic vessel invasion |
| SNM3 | M-95903 | Lymphoma |
| DCM | 111322 | Occult carcinoma presenting with axillary lymph node metastases |
| DCM | 111323 | Metastatic cancer to the breast |
| DCM | 111324 | Metastatic cancer to the breast from the colon |
| DCM | 111325 | Metastatic cancer to the breast from the lung |
| DCM | 111326 | Metastatic melanoma to the breast |
| DCM | 111327 | Metastatic cancer to the breast from the ovary |
| DCM | 111328 | Metastatic sarcoma to the breast |
| SNM3 | M-85103 | Medullary carcinoma |
| DCM | 111329 | Multifocal intraductal carcinoma |
| DCM | 111330 | Metastatic disease to axillary node |
| SNM3 | M-88303 | Malignant fibrous histiocytoma |
| DCM | 111332 | Multifocal invasive ductal carcinoma |
| DCM | 111333 | Metastasis to an intramammary lymph node |
| DCM | 111334 | Malignant melanoma of nipple |
| SNM3 | M-95913 | Non-Hodgkin’s lymphoma |
| SNM3 | D0-F035F | Neoplasm of the mammary skin |
| SNM3 | M-91803 | Osteogenic sarcoma |
| SNM3 | M-80502 | Papillary carcinoma in-situ |
| SNM3 | M-85403 | Paget’s disease, mammary (of the nipple) |
| SNM3 | M-97313 | Plasmacytoma |
| SNM3 | M-90203 | Phyllodes tumor, malignant |
| DCM | 111338 | Recurrent malignancy |
| SNM3 | M-84903 | Signet ring cell carcinoma |
| DCM | 111340 | Squamous cell carcinoma of the nipple |
| SNM3 | M-78190 | Spindle cell nodule (tumor) |
| SNM3 | M-85023 | Secretory (juvenile) carcinoma of the breast |
| SNM3 | M-80703 | Squamous cell carcinoma |
| SNM3 | M-82113 | Tubular adenocarcinoma |



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**CID 6034 Intended Use of CAD Output**

**Context ID 6034**
**Intended Use of CAD Output**
**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111150 | Presentation Required: Rendering device is expected to present |
| DCM | 111151 | Presentation Optional: Rendering device may present |
| DCM | 111152 | Not for Presentation: Rendering device expected not to present |

**CID 6035 Composite Feature Relations**

**Context ID 6035**
**Composite Feature Relations**
**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111153 | Target content items are related temporally |
| DCM | 111154 | Target content items are related spatially |
| DCM | 111155 | Target content items are related contra-laterally |

**CID 6036 Scope of Feature**

**Context ID 6036**
**Scope of Feature**
**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111156 | Feature detected on the only image |
| DCM | 111157 | Feature detected on only one of the images |
| DCM | 111158 | Feature detected on multiple images |
| DCM | 111159 | Feature detected on images from multiple modalities |



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**CID 6037 Mammography Quantitative Temporal Difference Type**

**Context ID 6037**
**Mammography Quantitative Temporal Difference Type**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-017B1 | Difference in size |
| SRT | F-017B2 | Difference in opacity |
| SRT | F-017B3 | Difference in location |
| SRT | F-017B4 | Difference in spatial proximity |
| SRT | F-017B5 | Difference in number of calcifications |

**CID 6038 Mammography Qualitative Temporal Difference Type**

**Context ID 6038**
**Mammography Qualitative Temporal Difference Type**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-017B6 | Difference in shape |
| SRT | F-017B7 | Difference in margin |
| SRT | F-017B8 | Difference in symmetry |

**CID 6039 Nipple Characteristic**

**Context ID 6039**
**Nipple Characteristic**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | M-02000 | Normal shape |
| SNM3 | D7-90554 | Nipple retraction |



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**CID 6040 Non-Lesion Object Type**

**Context ID 6040**
**Non-Lesion Object Type**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | A-04010 | Implant |
| SNM3 | M-78060 | Scar tissue |
| SNM3 | A-32475 | BB shot (Lead Pellet) |
| SNM3 | J-83250 | Metal (Lead) Marker |
| SNM3 | A-32110 | Bullet |
| SNM3 | A-1016B | J Wire |
| SNM3 | A-13600 | Staple |
| SNM3 | A-13510 | Suture material |
| SNM3 | A-12062 | Clip |
| SNM3 | A-11101 | Pacemaker |
| SNM3 | A-26800 | Catheter |
| SNM3 | A-10042 | Compression paddle |
| SNM3 | A-10044 | Collimator |
| SNM3 | A-16016 | ID Plate |
| SNM3 | C-B0300 | Contrast agent |
| DCM | 111175 | Other Marker |
| DCM | 111176 | Unspecified |

**CID 6041 Mammography Image Quality Finding**

**Context ID 6041**
**Mammography Image Quality Finding**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Source |
|---|---|---|---|
| DCM | 111177 | View and Laterality Marker is missing | MQSA |
| DCM | 111178 | View and Laterality Marker does not have both view and laterality | MQCM 1999 |
| DCM | 111179 | View and Laterality Marker does not have approved codes | MQCM 1999 |
| DCM | 111180 | View and Laterality Marker is not near the axilla | MQCM 1999 |
| DCM | 111181 | View and Laterality Marker overlaps | MQCM 1999 |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Source |
|---|---|---|---|
| | | breast tissue | |
| DCM | 111182 | View and Laterality Marker is partially obscured | MQCM 1999 |
| DCM | 111183 | View and Laterality Marker is incorrect | |
| DCM | 111184 | View and Laterality Marker is off image | |
| DCM | 111185 | Flash is not near edge of film | MQCM 1999 |
| DCM | 111186 | Flash is illegible, does not fit, or is lopsided | MQSA |
| DCM | 111187 | Flash doesn't include patient name and additional patient id | MQCM 1999 |
| DCM | 111188 | Flash doesn't include date of examination | MQCM 1999 |
| DCM | 111189 | Flash doesn't include facility name and location | MQSA |
| DCM | 111190 | Flash doesn't include technologist identification | MQCM 1999 |
| DCM | 111191 | Flash doesn't include cassette/screen/detector identification | MQCM 1999 |
| DCM | 111192 | Flash doesn't include mammography unit identification | MQCM 1999 |
| DCM | 111193 | Date sticker is missing | MQCM 1999 |
| DCM | 111194 | Technical factors missing | MQCM 1999 |
| DCM | 111195 | Collimation too close to breast | MQCM 1999 |
| DCM | 111196 | Inadequate compression | MQCM 1999 |
| DCM | 111197 | MLO Insufficient pectoral muscle | MQCM 1999 |
| DCM | 111198 | MLO No fat is visualized posterior to fibroglandular tissues | MQCM 1999 |
| DCM | 111199 | MLO Poor separation of deep and superficial breast tissues | MQCM 1999 |
| DCM | 111200 | MLO Evidence of motion blur | MQCM 1999 |
| DCM | 111201 | MLO Inframammary fold is not open | MQCM 1999 |
| DCM | 111202 | CC Not all medial tissue visualized | MQCM 1999 |
| DCM | 111203 | CC Nipple not centered on image | MQCM 1999 |
| DCM | 111204 | CC Posterior nipple line does not measure within 1 cm of MLO | MQCM 1999 |
| DCM | 111205 | Nipple not in profile | |
| DCM | 111206 | Insufficient implant displacement incorrect | MQCM 1999 |
| DCM | 111208 | Grid artifact(s) | |
| DCM | 111209 | Positioning | |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Source |
|---|---|---|---|
| DCM | 111210 | Motion blur | |
| DCM | 111211 | Under exposed | |
| DCM | 111212 | Over exposed | |
| DCM | 111213 | No image | |
| DCM | 111214 | Detector artifact(s) | |
| DCM | 111215 | Artifact(s) other than grid or detector artifact | |
| DCM | 111216 | Mechanical failure | |
| DCM | 111217 | Electrical failure | |
| DCM | 111218 | Software failure | |
| DCM | 111219 | Inappropriate image processing | |
| DCM | 111220 | Other failure | |
| DCM | 111221 | Unknown failure | |

**CID 6042 Status of Results**

**Context ID 6042**
**Status of Results**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111222 | Succeeded |
| DCM | 111223 | Partially Succeeded |
| DCM | 111224 | Failed |
| DCM | 111225 | Not Attempted |

**CID 6043 Types of Mammography CAD Analysis**

**Context ID 6043**
**Types of Mammography CAD Analysis**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | |
|---|---|---|---|
| SRT | P5-B3402 | Spatial collocation analysis | See Note 1 |
| SRT | P5-B3404 | Spatial proximity analysis | See Note 2 |
| SRT | P5-B3406 | Temporal correlation | |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | |
|---|---|---|---|
| SRT | P5-B3408 | Image quality analysis | |
| SRT | P5-B3410 | Focal asymmetric density analysis | |
| SRT | P5-B3412 | Asymmetric breast tissue analysis | |
| SRT | P5-B3414 | Breast composition analysis | |
| DCM | 111233 | Individual Impression / Recommendation Analysis | |
| DCM | 111234 | Overall Impression / Recommendation Analysis | |

Notes: 1. Spatial Collocation Analysis is used to identify features that are the same or located in the same place.

2. Spatial Proximity Analysis is used to identify features that are related spatially, such as nipple retraction associated with a spiculated mass.

**CID 6044 Types of Image Quality Assessment**

**Context ID 6044**
**Types of Image Quality Assessment**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111235 | Unusable — Quality renders image unusable |
| DCM | 111236 | Usable — Does not meet the quality control standard |
| DCM | 111237 | Usable — Meets the quality control standard |

**CID 6045 Mammography Types of Quality Control Standard**

**Context ID 6045**
**Mammography Types of Quality Control Standard**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111238 | Mammography Quality Control Manual 1999, ACR |
| DCM | 111239 | Title 21 CFR Section 900, Subpart B |
| DCM | 111240 | Institutionally defined quality control standard |



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**CID 6046 Units of Follow-up Interval**

**Context ID 6046**
**Units of Follow-up Interval**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | 1.4 | d | Day |
| UCUM | 1.4 | wk | Week |
| UCUM | 1.4 | mo | Month |
| UCUM | 1.4 | a | Year |

**CID 6047 CAD Processing and Findings Summary**

**Context ID 6047**
**CAD Processing and Findings Summary**
**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111241 | All algorithms succeeded; without findings |
| DCM | 111242 | All algorithms succeeded; with findings |
| DCM | 111243 | Not all algorithms succeeded; without findings |
| DCM | 111244 | Not all algorithms succeeded; with findings |
| DCM | 111245 | No algorithms succeeded; without findings |

**CID 6048 CAD Operating Point Axis Label**

**Context ID 6048**
**CAD Operating Point Axis Label**
**Type: Extensible Version: 20060612**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111023 | Certainty of Finding |
| DCM | 111047 | Probability of cancer |
| DCM | 111086 | False Markers per Image |
| DCM | 111087 | False Markers per Case |
| DCM | 111088 | Case Sensitivity |
| DCM | 111089 | Lesion Sensitivity |
| DCM | 111090 | Case Specificity |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111091 | Image Specificity |

**CID 6050 Breast Procedure Reported**

**Context ID 6050**

**Breast Procedure Reported**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111408 | Film Screen Mammography |
| DCM | 111409 | Digital Mammography |
| SRT | P5-B8500 | Ultrasonography of breast |
| SRT | P5-0900D | MRI of breast |
| SRT | P1-48011 | Pre-biopsy localization of breast lesion |
| SRT | P1-48145 | Fine needle aspiration of breast |
| SRT | P1-48142 | Diagnostic aspiration of breast cyst |
| SRT | P1-48304 | Core needle biopsy of breast |
| SRT | P1-4830F | Breast – surgical biopsy |
| SRT | P5-40060 | Mammary ductogram |
| SRT | P5-0801C | CT of breast |
| SRT | P5-D0042 | Radionuclide localization of tumor, limited area |
| SRT | P5-40030 | Specimen radiography of breast |
| SRT | P2-4A000 | Examination of breast |
| DCM | 111410 | Surgical consult |
| DCM | 111411 | Mammography CAD |
| SRT | P1-65359 | Sentinel lymph node biopsy |
| SRT | P5-D0061 | Radioisotope scan of lymphatic system |
| DCM | 111123 | Clip placement |
| SRT | P1-05535 | Insertion of catheter |

**CID 6051 Breast Procedure Reason**

**Context ID 6051**

**Breast Procedure Reason**

**Type: Extensible Version: 20050822**

Note: Some of these terms were obtained from BI-RADS®



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6061* | | |
| DCM | 111415 | Additional evaluation requested from prior study |
| DCM | 111416 | Follow-up at short interval from prior study |
| DCM | 111417 | History of breast augmentation, asymptomatic |
| DCM | 111418 | Review of an outside study |
| DCM | 111402 | Clinical finding |
| SRT | P1-48830 | Reduction mammoplasty |
| SRT | P5-C0000 | Radiation therapy |
| SRT | P1-48840 | Augmentation mammoplasty |
| DCM | 111419 | Additional evaluation requested from abnormal screening exam |
| SRT | P5-C0610 | Brachytherapy |
| DCM | 111420 | History of benign breast biopsy |
| DCM | 111421 | Personal history of breast cancer with breast conservation therapy |
| DCM | 111124 | Personal history of breast cancer with mastectomy |
| DCM | 111125 | Known biopsy proven malignancy |
| SRT | G-03D3 | Personal history of breast cancer |

**CID 6052 Breast Imaging Report section title**

**Context ID 6052**

**Breast Imaging Report Section Title**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111423 | Physical Examination Results |
| DCM | 111424 | Comparison to previous exams |
| DCM | 121070 | Findings |
| DCM | 121072 | Impressions |
| DCM | 121074 | Recommendations |
| DCM | 121076 | Conclusions |
| DCM | 121078 | Addendum |
| SRT | F-01710 | Breast composition |
| DCM | 111413 | Overall Assessment |
| DCM | 121058 | Procedure reported |
| DCM | 111401 | Reason for procedure |



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**CID 6053 Breast Imaging Report Elements**

**Context ID 6053**

**Breast Imaging Report Elements**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111423 | Physical Examination Results |
| DCM | 111424 | Comparison to previous exams |
| DCM | 121071 | Finding |
| DCM | 121073 | Impression |
| DCM | 121075 | Recommendation |
| DCM | 121077 | Conclusion |
| SRT | F-01710 | Breast composition |
| DCM | 111413 | Overall Assessment |
| DCM | 121058 | Procedure reported |
| DCM | 111401 | Reason for procedure |

**CID 6054 Breast Imaging Findings**

**Context ID 6054**

**Breast Imaging Findings**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-8A084 | Breast normal |
| SRT | F-8A057 | Calcification of breast |
| SRT | A-04010 | Implant |
| *Include CID 6016* | | |
| *Include CID 6057* | | |
| *Include CID 6064* | | |

**CID 6055 Breast Clinical Finding or Indicated Problem**

**Context ID 6055**

**Breast Clinical Finding or Indicated Problem**

**Type: Extensible Version: 20050822**

Note: Some of these terms were obtained from BI-RADS®



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-207D7 | O/E - Breast lump palpated |
| SRT | D7-90565 | Bloody nipple discharge |
| DCM | 111478 | Non-bloody discharge (from nipple) |
| DCM | 111479 | Difficult physical/clinical examination |
| SRT | D7-90010 | Disorder of breast implant |
| SRT | F-0179A | Skin thickening of breast |
| SRT | F-01799 | Skin retraction of breast |
| SRT | D7-90560 | Peau d'orange surface of breast |
| SRT | F-8A09C | Nipple problem |
| SRT | R-20099 | O/E – axillary lymphadenopathy |
| SRT | F-8A030 | Breast pain |
| DCM | 111480 | Cancer elsewhere |
| SRT | D7-90530 | Breast lump |
| SRT | F-8A074 | Discoloration of skin of breast |
| SRT | F-01760 | Radiographic calcification finding |
| DCM | 111126 | Image detected mass |

**CID 6056 Associated Findings for Breast**

**Context ID 6056**

**Associated Findings for Breast**

**Type: Extensible Version: 20040112**

Note: These terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | D7-9002A | Breast hematoma |
| SRT | M-78280 | Surgical scar |
| SRT | D7-90554 | Nipple retraction |
| *Include CID 6015* | | |

**CID 6057 Ductography Findings for Breast**

**Context ID 6057**

**Ductography Findings for Breast**

**Type: Extensible Version: 20040112**

Note: These terms were obtained from BI-RADS®



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111287 | Normal breast tissue |
| DCM | 111425 | Intraluminal filling defect |
| SRT | D7-90370 | Mammary duct ectasia |
| DCM | 111426 | Multiple filling defect |
| DCM | 111427 | Abrupt duct termination |
| DCM | 111428 | Extravasation |
| DCM | 111429 | Duct narrowing |
| DCM | 111430 | Cyst fill |

**CID 6058 Procedure Modifiers for Breast**

**Context ID 6058**

**Procedure Modifiers for Breast**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6059* | | |
| *Include CID 6060* | | |
| *Include CID 6061* | | |
| *Include CID 12224* | | |

**CID 6059 Breast Implant Types**

**Context ID 6059**

**Breast Implant Types**

**Type: Extensible Version: 20040112**

Note: Some of these terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-04830 | Breast implant, type not specified |
| SRT | A-04831 | Silicone gel implant |
| DCM | 111481 | Saline implant |
| DCM | 111482 | Polyurethane implant |
| DCM | 111483 | Percutaneous silicone injection |
| DCM | 111484 | Combination implant |
| DCM | 111485 | Pre-pectoral implant |
| DCM | 111486 | Retro-pectoral implant |



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**CID 6060 Breast Biopsy Techniques**

**Context ID 6060**

**Breast Biopsy Techniques**

**Type: Extensible Version: 20050822**

Note: Some of these terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P1-03005 | Lumpectomy |
| SRT | P1-43850 | Mastectomy |
| SRT | P1-4834A | Quadrantectomy of breast |
| SRT | P5-00032 | Diagnostic radiography, stereotactic localization |
| SRT | P5-B0700 | Ultrasonic guidance procedure |
| SRT | P5-40010 | Mammography |
| DCM | 111487 | Mammographic (crosshair) |
| DCM | 111488 | Mammographic (grid) |
| SRT | P1-03107 | Magnetic resonance imaging guided biopsy |
| SRT | P1-03106 | Computed tomography guided biopsy |
| DCM | 111489 | Palpation guided |
| DCM | 111490 | Vacuum assisted |

Note: In a prior version of this Context Group, the code P1-03115 was specified for the concept “Ultrasound guided biopsy”. The use of this code is too restrictive, and its use in this context is deprecated. There is minimal possibility of misinterpretation with SOP Instances that may include the deprecated use.

**CID 6061 Breast Imaging Procedure Modifiers**

**Context ID 6061**

**Breast Imaging Procedure Modifiers**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-42453 | Screening |
| SRT | R-408C3 | Diagnostic |
| DCM | 111127 | Targeted |
| DCM | 111128 | Survey |



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**CID 6062 Interventional Procedure Complications**

**Context ID 6062**

**Interventional Procedure Complications**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | DD-66A67 | Hemorrhage postprocedure |
| DCM | 111491 | Abnormal discharge |
| SRT | F-0147C | Hematoma - postoperative |
| SRT | D0-00165 | Weal |
| SRT | DD-67700 | Infection as complication of medical care |
| SRT | F-A2632 | Persistent pain following procedure |
| SRT | D2-80300 | Pneumothorax |
| SRT | D0-00058 | Rash |
| SRT | M-02570 | Swelling |
| SRT | F-A5581 | Vasovagal attack |
| DCM | 111492 | No complications |

**CID 6063 Interventional Procedure Results**

**Context ID 6063**

**Interventional Procedure Results**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A249 | Benign |
| SRT | R-41DDC | High risk tumor |
| SRT | G-A245 | Malignant |
| SRT | M-09024 | Insufficient sample |
| SRT | F-01E06 | Indeterminate result |



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**CID 6064 Ultrasound Findings for Breast**

**Context ID 6064**

**Ultrasound Findings for Breast**

**Type: Extensible Version: 20050822**

Note: These terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01BF8 | Ultrasound scan normal |
| SRT | D7-90360 | Simple cyst of breast |
| DCM | 111460 | Complex cyst |
| DCM | 111461 | Intracystic lesion |
| SRT | D7-90370 | Mammary duct ectasia |
| DCM | 111462 | Solid mass |
| SRT | T-C4000 | Lymph node |
| SRT | D7-90382 | Sebaceous cyst of skin of breast |
| DCM | 111129 | Clustered microcysts |
| DCM | 111130 | Complicated cyst |
| SRT | M-30400 | Foreign body |

**CID 6065 Instrument Approach**

**Context ID 6065**

**Instrument Approach**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A109 | Medial |
| SRT | G-A104 | Lateral |
| SRT | G-A116 | Superior |
| SRT | G-A115 | Inferior |
| DCM | 111432 | Inferolateral to superomedial |
| DCM | 111433 | Inferomedial to superolateral |
| DCM | 111434 | Superolateral to inferomedial |
| DCM | 111435 | Superomedial to inferolateral |



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**CID 6066 Target Confirmation**

**Context ID 6066**

**Target Confirmation**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111443 | Target contained in the specimen |
| DCM | 111444 | Target partially obtained in the specimen |
| DCM | 111445 | Target not in the specimen |
| DCM | 111446 | Calcifications seen in the core |
| DCM | 111447 | Lesion completely removed |
| DCM | 111448 | Lesion partially removed |
| DCM | 111449 | Fluid obtained |

**CID 6067 Fluid Color**

**Context ID 6067**

**Fluid Color**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A12B | White color |
| SRT | G-A11D | Yellow color |
| DCM | 111450 | Light brown color |
| SRT | G-A11E | Green color |
| SRT | G-A12D | Gray color |
| DCM | 111451 | Dark red color |
| DCM | 111452 | Dark brown color |
| SRT | R-4205B | Clear |
| SRT | G-A12E | Brown color |
| DCM | 111453 | Bright red color |
| DCM | 111454 | Blood tinged color |
| SRT | G-A12C | Black color |



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**CID 6068 Tumor Stages from AJCC**

**Context ID 6068**

**Tumor Stages from AJCC**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111494 | Stage 0 |
| DCM | 111495 | Stage I |
| DCM | 111496 | Stage IIA |
| DCM | 111497 | Stage IIB |
| DCM | 111498 | Stage IIIA |
| DCM | 111499 | Stage IIIB |
| DCM | 111500 | Stage IIIC |
| DCM | 111501 | Stage IV |

**CID 6069 Nottingham Combined Histologic Grade**

**Context ID 6069**

**Nottingham Combined Histologic Grade**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-02B9B | Nottingham Combined Grade cannot be determined |
| SRT | G-F616 | Nottingham Combined Grade I: 3-5 points |
| SRT | G-F617 | Nottingham Combined Grade II: 6-7 points |
| SRT | G-F618 | Nottingham Combined Grade III: 8-9 points |

**CID 6070 Bloom-Richardson Histologic Grade**

**Context ID 6070**

**Bloom-Richardson Histologic Grade**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-F211 | Grade 1: well differentiated |
| SRT | G-F212 | Grade 2: moderately differentiated |
| SRT | G-F213 | Grade 3: poorly differentiated |
| SRT | R-41DC5 | Grade 4: undifferentiated |



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**CID 6071 Histologic Grading Method**

**Context ID 6071**

**Histologic Grading Method**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111502 | Bloom-Richardson Grade |
| SRT | R-00288 | Nottingham Combined Grade |

**CID 6072 Breast Implant Findings**

**Context ID 6072**

**Breast Implant Findings**

**Type: Extensible Version: 20040112**

Note: These terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111503 | Normal implants |
| DCM | 111504 | Asymmetric implants |
| DCM | 111505 | Calcified implant |
| DCM | 111506 | Distorted implant |
| DCM | 111507 | Silicone-laden lymph nodes |
| DCM | 111508 | Free silicone |
| DCM | 111509 | Herniated implant |
| SRT | DD-66544 | Rupture of breast implant |
| DCM | 111510 | Explantation |

**CID 6080 Gynecological Hormones**

**Context ID 6080**

**Gynecological Hormones**

**Type: Extensible Version: 20050822**

Note: Some of these terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-B1700 | Contraceptives |
| SRT | C-A0900 | Estrogen product |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-A1204 | Progesterone product |
| SRT | C-781E0 | Tamoxifen |
| DCM | 111542 | Unspecified gynecological hormone |
| SRT | C-A0005 | Raloxifene |
| SRT | F-61B21 | Anastrozole |

**CID 6081 Breast Cancer Risk Factors**

**Context ID 6081**

**Breast Cancer Risk Factors**

**Type: Extensible Version: 20040112**

Note: Some of these terms were obtained from BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111550 | Personal breast cancer history |
| DCM | 111551 | History of endometrial cancer |
| DCM | 111552 | History of ovarian cancer |
| DCM | 111553 | History of high risk lesion on previous biopsy |
| DCM | 111554 | Post menopausal patient |
| SRT | F-84430 | Nulliparous |
| DCM | 111555 | Late child bearing (after 30) |
| DCM | 111556 | BRCA1 breast cancer gene |
| DCM | 111557 | BRCA2 breast cancer gene |
| DCM | 111558 | BRCA3 breast cancer gene |
| SRT | G-0325 | Family history of breast cancer |
| DCM | 111559 | Weak family history of breast cancer |
| DCM | 111560 | Intermediate family history of breast cancer |
| DCM | 111561 | Very strong family history of breast cancer |
| DCM | 111562 | Family history of prostate cancer |
| DCM | 111563 | Family history unknown |
| SRT | R-207AD | No family history of breast carcinoma |



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**CID 6082 Gynecological Procedures**

**Context ID 6082**

**Gynecological Procedures**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P0-05CCA | Endometrial biopsy |
| SRT | P1-8330D | Hysterectomy |
| SRT | P1-03151 | Dilation and curettage |

**CID 6083 Procedures for Breast**

**Context ID 6083**

**Procedures for Breast**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111564 | Nipple discharge cytology |
| *Include CID 6050* | | |
| *Include CID 6084* | | |
| *Include CID 6085* | | |

**CID 6084 Mammoplasty Procedures**

**Context ID 6084**

**Mammoplasty Procedures**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P1-48501 | Breast implantation |
| SRT | P1-48830 | Reduction mammoplasty |
| SRT | P1-48820 | Breast reconstruction |
| SRT | P1-48520 | Removal of breast implant |



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**CID 6085 Therapies for Breast**

**Context ID 6085**

**Therapies for Breast**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P0-0058E | Chemotherapy |
| SRT | P5-C0000 | Radiation therapy |
| SRT | P0-007AC | Hormone therapy |
| SRT | P1-67D40 | Bone marrow transplant |

**CID 6086 Menopausal Phase**

**Context ID 6086**

**Menopausal Phase**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-41FFF | Before menopause |
| SRT | R-422A5 | During menopause |
| SRT | R-410C3 | After menopause |
| SRT | D7-76202 | Postsurgical menopause |
| SRT | D7-76200 | Artificial menopause state |

**CID 6087 General Risk Factors**

**Context ID 6087**

**General Risk Factors**

**Type: Extensible Version: 20040112**

This context group collects risk factor terms from specialized risk factor context groups into one aggregate list for general purpose use.



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 6081* | | |
| *Include CID 6088* | | |

**CID 6088 OB-GYN Maternal Risk Factors**

**Context ID 6088**

**OB-GYN Maternal Risk Factors**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-023F | History of – diabetes mellitus |
| SRT | G-0269 | History of - hypertension |
| SRT | G-0244 | History of - obesity |
| SRT | G-02D0 | History of – regular medication |
| SRT | G-0338 | History of substance abuse |
| SRT | G-0335 | History of – cardiovascular disease |
| DCM | 111565 | Uterine malformations |
| SRT | G-0304 | History of - ectopic pregnancy |
| DCM | 111566 | Spontaneous Abortion |
| DCM | 111567 | Gynecologic condition |
| DCM | 111568 | Gynecologic surgery |
| SRT | G-031E | History of - eclampsia |
| SRT | G-031F | History of – severe pre-eclampsia |
| DCM | 111569 | Previous LBW or IUGR birth |
| DCM | 111570 | Previous fetal malformation/syndrome |
| SRT | G-0305 | History of – premature delivery |
| DCM | 111571 | Previous RH negative or blood dyscrasia at birth |
| SRT | G-0319 | History of infertility |
| DCM | 111572 | History of multiple fetuses |
| SRT | D8-20100 | Multiple pregnancy |
| DCM | 111573 | Current pregnancy, known or suspected malformations/syndromes |
| DCM | 111574 | Family history, fetal malformation/syndrome |



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**CID 6089 Substances**

**Context ID 6089**

**Substances**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-21005 | Ethyl alcohol |
| SRT | F-618FF | Amphetamine |
| SRT | F-6166C | Marijuana derivative |
| SRT | F-61C76 | Cocaine |
| SRT | F-61AC4 | Heroin |
| SRT | C-63A10 | Lysergic acid diethlyamide |
| SRT | F-6169A | Mescaline |
| SRT | C-6A180 | Phencyclidine |
| SRT | F-61A95 | Methadone |
| SRT | F-618D7 | Morphine |
| SRT | F-618FE | Methlyphenidate |
| SRT | C-F3310 | Chewing tobacco |
| SRT | C-F3302 | Cigarette smoking tobacco |
| SRT | F-61117 | Caffeine |

**CID 6090 Relative Usage, Exposure Amount**

**Context ID 6090**

**Relative Usage, Exposure Amount**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104 |
|---|---|---|
| DCM | 111575 | High |
| DCM | 111576 | Medium |
| DCM | 111577 | Low |
| DCM | 111587 | No known exposure |



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**CID 6091 Relative Frequency of Event Values**

**Context ID 6091**

**Relative Frequency of Event Values**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-40377 | Continuous |
| SRT | G-7154 | Frequent |
| SRT | R-40365 | Mid-frequency |
| SRT | G-7155 | Infrequent |
| SRT | R-40B16 | As required |
| SRT | R-4112F | Single event |

**CID 6092 Quantitative Concepts for Usage, Exposure**

**Context ID 6092**

**Quantitative Concepts for Usage, Exposure**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-C0B7 | Dosage |
| DCM | 111578 | Dose frequency |
| DCM | 111579 | Rate of exposure |
| DCM | 111580 | Volume of use |

**CID 6093 Qualitative Concepts for Usage, Exposure Amount**

**Context ID 6093**

**Qualitative Concepts for Usage, Exposure Amount**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111581 | Relative dose amount |
| DCM | 111582 | Relative amount of exposure |
| DCM | 111583 | Relative amount of use |



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**CID 6094 QuaLItative Concepts for Usage, Exposure Frequency**

**Context ID 6094**

**Qualitative Concepts for Usage, Exposure Frequency**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111584 | Relative dose frequency |
| DCM | 111585 | Relative frequency of exposure |
| DCM | 111586 | Relative frequency of use |

**CID 6095 Numeric Properties of Procedures**

**Context ID 6095**

**Numeric Properties of Procedures**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111465 | Needle Gauge |
| DCM | 111467 | Needle Length |

**CID 6096 Pregnancy Status**

**Context ID 6096**

**Pregnancy Status**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-81890 | not pregnant |
| SRT | F-84094 | possible pregnancy |
| SRT | F-84000 | patient currently pregnant |
| SRT | R-41198 | Unknown |



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**CID 6097 Side of Family**

**Context ID 6097**
**Side of Family**
**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111541 | Maternal |
| SRT | R-40333 | Paternal |

**CID 6100 Chest Component Categories**

**Context ID 6100**
**Chest Component Categories**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-28000 | Lung |
| DCM | 112052 | Bronchovascular |
| SRT | T-29000 | Pleural structure |
| SRT | T-D3300 | Mediastinum |
| SRT | T-32000 | Heart |
| DCM | 112053 | Osseous |
| SRT | T-4000E | Systemic vascular structure |
| SRT | R-420AE | Muscular |

**CID 6101 Chest Finding or Feature**

**Context ID 6101**
**Chest Finding or Feature**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112061 | Abnormal lines (1D) |
| DCM | 112033 | Abnormal opacity |
| DCM | 112062 | Abnormal lucency |
| DCM | 112063 | Abnormal calcifications |
| DCM | 112064 | Abnormal texture |
| DCM | 112005 | Radiographic anatomy |
| DCM | 111102 | Non-lesion |
| DCM | 111101 | Image quality |
| DCM | 111099 | Selected region |



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**CID 6102 Chest Finding or Feature Modifier**

**Context ID 6102**
**Chest Finding or Feature Modifier**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include Context ID 6103* | | |
| *Include Context ID 6104* | | |
| *Include Context ID 6105* | | |
| *Include Context ID 6106* | | |
| *Include Context ID 6109* | | |
| *Include Context ID 6138* | | |

**CID 6103 Abnormal Lines Finding or Feature**

**Context ID 6103**
**Abnormal Lines Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112065 | Reticulonodular pattern |
| DCM | 112104 | Air-fluid level |
| DCM | 112105 | Corona radiata |
| DCM | 112106 | Honeycomb pattern |
| DCM | 112107 | Fleischner's line(s) |
| DCM | 112108 | Intralobular lines |
| DCM | 112109 | Kerley A line |
| DCM | 112110 | Kerley B line |
| DCM | 112111 | Kerley C lines |
| DCM | 112112 | Parenchymal band |
| SRT | D2-60302 | Plate-like atelectasis |
| DCM | 112113 | Reticular pattern |
| DCM | 112114 | Septal line(s) |
| DCM | 112115 | Subpleural line |
| DCM | 112116 | Tramline shadow |
| DCM | 112117 | Tubular shadow |



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**CID 6104 Abnormal Opacity Finding or Feature**

**Context ID 6104**
**Abnormal Opacity Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112066 | Beaded septum sign |
| DCM | 112067 | Nodular pattern |
| DCM | 112059 | Primary complex |
| DCM | 112068 | Pseudoplaque |
| DCM | 112065 | Reticulonodular pattern |
| DCM | 112069 | Signet-ring sign |
| DCM | 112004 | Abnormal interstitial pattern |
| SRT | F-20172 | Coin lesion |
| DCM | 112118 | Density |
| DCM | 112119 | Dependent opacity |
| DCM | 112120 | Ground glass opacity |
| DCM | 112121 | Infiltrate |
| SRT | M-03000 | Mass |
| DCM | 112122 | Micronodule |
| SRT | M-03010 | Nodule |
| DCM | 112001 | Opacity |
| DCM | 112123 | Phantom tumor (pseudotumor) |
| DCM | 112124 | Shadow |
| DCM | 112125 | Small irregular opacities |
| DCM | 112126 | Small rounded opacities |
| DCM | 112127 | Tree-in-bud sign |
| SRT | D3-40230 | Pulmonary embolism |

**CID 6105 Abnormal Lucency Finding or Feature**

**Context ID 6105**
**Abnormal Lucency Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112070 | Air bronchiologram |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112071 | Air bronchogram |
| DCM | 112072 | Air crescent |
| SRT | F-20240 | Air-trapping |
| DCM | 112073 | Halo sign |
| SRT | D2-81180 | Pneumomediastinum |
| SRT | D2-80300 | Pneumothorax |

**CID 6106 Abnormal Texture Finding or Feature**

**Context ID 6106**
**Abnormal Texture Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112067 | Nodular pattern |
| DCM | 112065 | Reticulonodular pattern |
| DCM | 112004 | Abnormal interstitial pattern |
| DCM | 112128 | Granular pattern |
| DCM | 112106 | Honeycomb pattern |
| DCM | 112129 | Miliary pattern |
| DCM | 112130 | Mosaic pattern |
| DCM | 112113 | Reticular pattern |
| DCM | 112125 | Small irregular opacities |

**CID 6107 Width Descriptor**

**Context ID 6107**
**Width Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-40750 | Enlarged |
| SRT | R-41727 | Narrow |
| DCM | 112077 | Vasoconstriction |
| DCM | 112078 | Vasodilation |



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**CID 6108 Chest Anatomic Structure Abnormal Distribution**

**Context ID 6108**
**Chest Anatomic Structure Abnormal Distribution**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-20240 | Air-trapping |
| DCM | 112079 | Architectural distortion |
| DCM | 112080 | Mosaic perfusion |
| DCM | 112060 | Oligemia |
| DCM | 112081 | Pleonemia |

**CID 6109 Radiographic Anatomy Finding or Feature**

**Context ID 6109**
**Radiographic Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include Context ID 6110* | | |
| *Include Context ID 6111* | | |
| *Include Context ID 6112* | | |
| *Include Context ID 6113* | | |
| *Include Context ID 6114* | | |
| *Include Context ID 6116* | | |
| *Include Context ID 6117* | | |
| DCM | 112082 | Interface |
| DCM | 112083 | Line |
| DCM | 112084 | Lucency |



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**CID 6110 Lung Anatomy Finding or Feature**

**Context ID 6110**
**Lung Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-28770 | Lobe of lung |
| DCM | 112085 | Midlung window |
| DCM | 112054 | Secondary pulmonary lobule |
| SRT | T-280D0 | Segment of lung |

**CID 6111 Bronchovascular Anatomy Finding or Feature**

**Context ID 6111**
**Bronchovascular Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-20001 | Airway structure |
| SRT | T-26000 | Bronchus |
| SRT | T-25201 | Carina |
| DCM | 112086 | Carina angle |
| DCM | 112087 | Centrilobular structures |
| SRT | T-28080 | Hilum of lung |

**CID 6112 Pleura Anatomy Finding or Feature**

**Context ID 6112**
**Pleura Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112088 | Anterior junction line |
| SRT | T-D051D | Fissure of lung |
| DCM | 112089 | Posterior junction line |



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**CID 6113 Mediastinum Anatomy Finding or Feature**

**Context ID 6113**
**Mediastinum Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112090 | Azygoesophageal recess interface |
| DCM | 112091 | Paraspinal line |
| DCM | 112092 | Posterior tracheal stripe |
| DCM | 112093 | Right tracheal stripe |
| DCM | 112094 | Stripe |
| SRT | T-25000 | Trachea |
| SRT | T-56000 | Esophagus |
| SRT | T-B6000 | Thyroid |
| SRT | T-26100 | Right main bronchus |
| SRT | T-26500 | Left main bronchus |
| SRT | T-25201 | Carina |
| SRT | T-D3412 | Esophageal Hiatus |
| SRT | T-14171 | Trapezius muscle |
| SRT | T-15420 | Acromioclavicular Joint |
| SRT | T-D0634 | Fascial layer |
| SRT | T-18774 | Axillary Fascia |
| SRT | T-11240 | Costal Cartilage |
| SRT | T-B4000 | Carotid Body |
| SRT | T-42370 | Ligamentum arteriosum |
| SRT | T-C6510 | Thoracic Duct |
| DCM | 112095 | Hiatus |
| SRT | T-C8000 | Thymus Gland |
| SRT | T-C4000 | Lymph node |
| SRT | T-32000 | Heart |
| SRT | T-32400 | Ventricle |
| SRT | T-32100 | Atrium |
| SRT | D4-31220 | Atrial Septal Defect |
| SRT | T-35300 | Mitral Valve |
| SRT | T-35400 | Aortic Valve |
| SRT | T-35100 | Tricuspid Valve |



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**CID 6114 Osseous Anatomy Finding or Feature**

**Context ID 6114**
**Osseous Anatomy Finding or Feature**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-11300 | Rib |
| SRT | T-12310 | Clavicle |
| SRT | T-11500 | Spine |
| SRT | T-11210 | Sternum |
| SRT | T-12280 | Scapula |
| SRT | T-12410 | Humerus |
| SRT | T-11510 | Vertebra |

**CID 6115 Osseous Anatomy Modifiers**

**Context ID 6115**
**Osseous Anatomy Modifiers**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-11301 | Head of rib |
| SRT | T-11303 | Neck of rib |
| SRT | T-11304 | Tubercle of rib |
| SRT | T-11309 | Shaft of rib |
| SRT | T-11307 | Angle of rib |
| SRT | T-11308 | Costal groove |
| DCM | 112096 | Rib Scalene Tubercle |
| SRT | T-11211 | Manubrium of sternum |
| SRT | T-11218 | Suprasternal notch |
| SRT | T-11219 | Clavicular notch of sternum |
| SRT | T-11221 | Sternal angle |
| SRT | T-11220 | Body of sternum |
| SRT | T-11227 | Xiphoid process of sternum |
| SRT | T-11511 | Arch of vertebra |
| SRT | T-11515 | Pedicle of vertebra |
| SRT | T-11513 | Transverse process or vertebra |
| SRT | T-11514 | Lamina of vertebra |
| SRT | T-1153F | Inferior articular process of vertebra |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-1153E | Superior articular process of vertebra |
| DCM | 112097 | Vertebral Intervertebral Notch |
| SRT | T-11531 | Vertebral foramen |
| SRT | T-1151F | Vertebral canal |
| SRT | T-11512 | Spinous process of vertebra |
| SRT | T-116EF | Inferior articular facet of axis |
| SRT | T-116EE | Superior articular facet of axis |
| SRT | T-12281 | Acromion process of scapula |
| SRT | T-1228A | Glenoid cavity of scapula |
| DCM | 112098 | Subscapular Fossa |
| SRT | T-12287 | Dorsal aspect of scapula |
| DCM | 112099 | Scapular Spine |
| DCM | 112100 | Scapular Supraspinatus Fossa |
| DCM | 112101 | Scapular Infraspinatus Fossa |
| SRT | T-12282 | Coracoid process of scapula |
| SRT | T-D2236 | Pectoral girdle |

**CID 6116 Muscular Anatomy**

**Context ID 6116**
**Muscular Anatomy**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-14110 | Pectoralis major muscle |
| SRT | T-14120 | Pectoralis minor muscle |
| SRT | T-D3400 | Diaphragm |
| SRT | T-1416B | External intercostal muscle |
| SRT | T-14165 | Innermost intercostal muscles |
| SRT | T-14183 | Internal intercostal muscle |
| SRT | T-14150 | Levatores costarum muscles |
| SRT | T-14166 | Subcostal muscle |
| SRT | T-141A5 | Transversus thoracis |
| SRT | T-14171 | Trapezius muscle |
| SRT | T-13650 | Subscapularis muscle |
| SRT | T-13610 | Supraspinatus muscle |
| SRT | T-13620 | Infraspinatus muscle |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-13630 | Teres minor muscle |
| SRT | T-14140 | Serratus anterior muscle |
| SRT | T-13660 | Deltoid muscle |
| SRT | T-14172 | Latissimus dorsi muscle |
| SRT | T-14020 | Erector spinae muscle |
| SRT | T-14030 | Iliocostalis muscle |
| SRT | T-14040 | Longissimus muscle |
| SRT | T-14050 | Spinalis muscle |
| SRT | T-13450 | Scalenous anterior muscle |
| SRT | T-13310 | Sternocleidomastoid muscle |
| SRT | T-13640 | Teres major muscle |
| SRT | T-35020 | Chordae tendineae cordis |
| SRT | T-32410 | Interventricular septum |
| SRT | T-32423 | Trabeculae carnae |

**CID 6117 Vascular Anatomy**

**Context ID 6117**
**Vascular Anatomy**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include Context ID 3015* | | |
| SRT | T-46100 | Subclavian artery |
| SRT | T-42100 | Ascending aorta |
| SRT | T-46010 | Brachiocephalic trunk |
| SRT | T-45100 | Common carotid artery |
| SRT | T-46200 | Internal thoracic artery |
| SRT | T-45700 | Vertebral artery |
| SRT | T-46130 | Thyrocervical trunk |
| SRT | T-46180 | Costocervical trunk |
| SRT | T-461A0 | Dorsal scapular artery |
| SRT | T-47100 | Axillary Artery |
| SRT | T-47160 | Brachial artery |
| SRT | T-42300 | Aortic arch |
| SRT | T-48170 | Internal jugular vein |
| SRT | T-48330 | Subclavian vein |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-48620 | Brachiocephalic vein |
| SRT | T-48610 | Superior vena cava |
| SRT | T-A9090 | Brachial plexus |
| SRT | T-D0765 | Descending aorta |
| DCM | 112102 | Aortic knob |
| SRT | T-42310 | Aortic isthmus |
| SRT | T-48340 | Azygos vein |
| SRT | T-D305A | Intercostal artery |
| SRT | T-4630D | Esophageal artery |
| SRT | T-46210 | Pericardiophrenic Artery |
| SRT | T-46350 | Superior phrenic artery |
| SRT | T-46940 | Inferior phrenic artery |
| SRT | T-46310 | Bronchial artery |
| DCM | 112103 | Arch of the Azygos vein |
| SRT | T-49110 | Axillary vein |
| SRT | T-48710 | Inferior vena cava |
| SRT | T-44100 | Pulmonary trunk |
| SRT | T-44000 | Pulmonary artery |
| SRT | T-48500 | Pulmonary vein |

**CID 6118 Size Descriptor**

**Context ID 6118**
**Size Descriptor**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112131 | Extremely small |
| DCM | 112132 | Very small |
| SRT | R-404A8 | Small |
| SRT | R-404A9 | Medium |
| SRT | R-404AA | Large |
| SRT | R-40750 | Enlarged |
| DCM | 112133 | Too small |



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**CID 6119 Chest Border Shape**

**Context ID 6119**
**Chest Border Shape**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-02100 | Round shape |
| DCM | 112134 | Elliptic |
| SRT | G-A402 | Irregular |
| DCM | 112135 | Lobulated |
| DCM | 112136 | Spiculated |

**CID 6120 Chest Border Definition**

**Context ID 6120**
**Chest Border Definition**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-40771 | Well defined |
| DCM | 112137 | Sharply defined |
| SRT | R-428E7 | Poorly defined |
| DCM | 112138 | Distinctly defined |
| DCM | 112139 | Well demarcated |
| DCM | 112140 | Sharply demarcated |
| DCM | 112141 | Poorly demarcated |
| DCM | 112142 | Circumscribed |

**CID 6121 Chest Orientation Descriptor**

**Context ID 6121**
**Chest Orientation Descriptor**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A142 | Horizontal |
| SRT | G-A144 | Vertical |
| SRT | G-A472 | Oblique |



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**CID 6122 Chest Content Descriptor**

**Context ID 6122**
**Chest Content Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112143 | Air |
| SRT | T-D008A | Fat |
| DCM | 112144 | Soft tissue |
| DCM | 112145 | Calcium |
| SRT | M-30400 | Foreign material (iodized oil, mercury, talc) |

**CID 6123 Chest Opacity Descriptor**

**Context ID 6123**
**Chest Opacity Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112146 | Acinar |
| DCM | 112147 | Air space |
| DCM | 112148 | Fibronodular |
| DCM | 112149 | Fluffy |
| DCM | 112150 | Linear |
| DCM | 112151 | Profusion |
| DCM | 112152 | Silhouette sign |

**CID 6124 Location in Chest**

**Context ID 6124**
**Location in Chest**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CONTEXT ID 6125* | | |
| *Include CONTEXT ID 6126* | | |
| *Include CONTEXT ID 6127* | | |



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**CID 6125 General Chest Location**

**Context ID 6125**
**General Chest Location**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A110 | Central |
| SRT | G-A111 | Peripheral |
| SRT | G-A122 | Apical |
| SRT | G-A123 | Basal |

**CID 6126 Location in Lung**

**Context ID 6126**
**Location in Lung**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-D3208 | Upper zone of lung |
| SRT | T-D3209 | Middle zone of lung |
| SRT | T-D320A | Lower zone of lung |
| SRT | T-28820 | Upper lobe of lung |
| SRT | T-28825 | Middle lobe of lung |
| SRT | T-28830 | Lower lobe of lung |
| DCM | 112153 | Subpleural |

**CID 6127 Segment Location in Lung**

**Context ID 6127**
**Segment Location in Lung**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-28230 | Anterior segment of right upper lobe |
| SRT | T-28630 | Anterior segment of left upper lobe |
| SRT | T-28220 | Posterior segment of right upper lobe |



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**CID 6128 Chest Distribution Descriptor**

**Context ID 6128**
**Chest Distribution Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112154 | Bat's wing distribution |
| DCM | 112155 | Butterfly distribution |
| DCM | 112156 | Centrilobular |
| DCM | 112157 | Coalescent |
| SRT | G-A321 | Diffuse |
| SRT | M-020FA | Discoid |
| SRT | G-A324 | Disseminated |
| SRT | G-A351 | Focal |
| SRT | G-A366 | Generalized |
| DCM | 112158 | Lobar |
| SRT | G-A443 | Multifocal |
| SRT | G-A137 | Segmental |
| SRT | G-A572 | Systemic |

**CID 6129 Chest Site Involvement**

**Context ID 6129**
**Chest Site Involvement**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-28000 | Lung |
| SRT | T-D3300 | Mediastinum |
| DCM | 112158 | Lobar |
| SRT | T-1A007 | Interstitial tissue |
| SRT | R-40939 | Bronchial |
| SRT | T-28080 | Hilum of lung |
| SRT | T-42000 | Aorta |
| SRT | T-29000 | Pleural structure |
| SRT | T-D3050 | Chest wall |
| SRT | T-D4001 | Upper abdomen |



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**CID 6130 Severity Descriptor**

**Context ID 6130**
**Severity Descriptor**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-404FA | Mild |
| SRT | G-A002 | Moderate |
| SRT | G-A003 | Severe |
| SRT | G-A231 | Acute |
| SRT | G-A270 | Chronic |
| DCM | 112159 | Hyper-acute |
| SRT | G-A561 | Subacute |

**CID 6131 Chest Texture Descriptor**

**Context ID 6131**
**Chest Texture Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112160 | Homogeneous (uniform opacity) |
| DCM | 112161 | Inhomogeneous |

**CID 6132 Chest Calcification Descriptor**

**Context ID 6132**
**Chest Calcification Descriptor**
**Type: Extensible Version: 20030108**

Note: Original source of terms is [Fraser and Pare].

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-01763 | Eggshell calcification |
| SRT | F-01761 | Coarse (popcorn-like) calcification |
| DCM | 112162 | Target |
| SRT | G-A405 | Laminated |
| DCM | 112163 | Fibrocalcific |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112164 | Flocculent |
| SRT | R-403A7 | Nodular |
| SRT | F-12100 | Ossification |

**CID 6133 Chest Quantitative Temporal Difference Type**

**Context ID 6133**
**Chest Quantitative Temporal Difference Type**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-017B1 | Difference in size |
| SRT | F-017B3 | Difference in location |

**CID 6134 Chest Qualitative Temporal Difference Type**

**Context ID 6134**
**Chest Qualitative Temporal Difference Type**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112165 | Difference in border shape |
| DCM | 112166 | Difference in border definition |
| DCM | 112167 | Difference in distribution |
| DCM | 112168 | Difference in site involvement |
| DCM | 112169 | Difference in Type of Content |
| DCM | 112170 | Difference in Texture |
| SRT | F-01722 | Finding partially removed |
| SRT | F-01723 | No significant changes in the finding |
| SRT | M-02520 | Increase in size |
| SRT | M-02530 | Decrease in size |
| SRT | F-01728 | Less defined |
| SRT | F-01729 | More defined |



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**CID 6135 Chest Image Quality Finding**

**Context ID 6135**
**Chest Image Quality Finding**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111208 | Grid artifact(s) |
| DCM | 111209 | Positioning |
| DCM | 111210 | Motion blur |
| DCM | 111211 | Under exposed |
| DCM | 111212 | Over exposed |
| DCM | 111213 | No image |
| DCM | 111214 | Detector artifact(s) |
| DCM | 111215 | Artifact(s) other than grid or detector artifact |
| DCM | 111216 | Mechanical failure |
| DCM | 111217 | Electrical failure |
| DCM | 111218 | Software failure |
| DCM | 111219 | Inappropriate image processing |
| DCM | 111220 | Other failure |
| DCM | 111221 | Unknown failure |

**CID 6136 Chest Types of Quality Control Standard**

**Context ID 6136**
**Chest Types of Quality Control Standard**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112035 | Performance of Pediatric and Adult Chest Radiography, ACR |
| DCM | 112036 | ACR Position Statement |
| DCM | 111240 | Institutionally defined quality control standard |
| DCM | 112184 | Performance of Pediatric and Adult Thoracic CT |
| DCM | 112185 | Performance of CT for Detection of Pulmonary Embolism in Adults |
| DCM | 112186 | Performance of High-Resolution CT of the Lungs in Adults |



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**CID 6137 Types of Chest CAD Analysis**

**Context ID 6137**
**Types of Chest CAD Analysis**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | |
|---|---|---|---|
| SRT | P5-B3402 | Spatial collocation analysis | See Note 1 |
| SRT | P5-B3404 | Spatial proximity analysis | See Note 2 |
| SRT | P5-B3406 | Temporal correlation | |
| SRT | P5-B3408 | Image quality analysis | |

Notes: 1. Spatial Co-location Analysis is used to identify features that are the same or located in the same place.
2. Spatial Proximity Analysis is used to identify different features that are related spatially.

**CID 6138 Chest Non-Lesion Object Type**

**Context ID 6138**
**Chest Non-Lesion Object Type**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-32110 | Bullet |
| SRT | A-13600 | Staple |
| SRT | A-13510 | Suture material |
| DCM | 111168 | Scar tissue |
| DCM | 111171 | Pacemaker |
| SRT | A-040CB | Cardiac pacemaker lead |
| SRT | A-26800 | Catheter |
| DCM | 112172 | Portacath |
| DCM | 112173 | Chest tube |
| SRT | A-14611 | Vena cava filter |
| SRT | A-04000 | Prosthesis |
| SRT | A-26430 | Feeding tube |
| SRT | A-26434 | Jejunostomy tube |
| SRT | A-25350 | Endotracheal tube |
| DCM | 112174 | Central line |
| SRT | A-12210 | Cervical collar |
| SRT | P1-26100 | Tracheotomy |
| DCM | 112175 | Kidney stent |
| SRT | A-11C08 | Ureteric stent |
| DCM | 112176 | Pancreatic stent |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112177 | Nipple ring |
| SRT | A-61000 | Jewelry |
| DCM | 112178 | Coin |
| SRT | A-12024 | Pin |
| SRT | A-30360 | Needle |
| SRT | A-04110 | Heart valve prosthesis |
| DCM | 112171 | Fiducial mark |
| DCM | 111176 | Unspecified |

**CID 6139 Non-Lesion Modifiers**

**Context ID 6139**
**Non-Lesion Modifiers**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-40819 | Internal |
| SRT | R-40941 | External |

**CID 6140 Calculation Methods**

**Context ID 6140**
**Calculation Methods**
**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-10260 | Estimated |
| DCM | 112187 | Unspecified method of calculation |
| DCM | 112055 | Agatston scoring method |
| DCM | 112056 | Volume scoring method |
| DCM | 112057 | Mass scoring method |



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**CID 6141 Attenuation Coefficient Measurements**

**Context ID 6141**
**Attenuation Coefficient Measurements**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112031 | Attenuation Coefficient |
| DCM | 112179 | Minimum Attenuation Coefficient |
| DCM | 112180 | Maximum Attenuation Coefficient |
| DCM | 112181 | Mean Attenuation Coefficient |
| DCM | 112182 | Median Attenuation Coefficient |
| DCM | 112183 | Standard Deviation of Attenuation Coefficient |

**CID 6142 Calculated Value**

**Context ID 6142**
**Calculated Value**
**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112017 | Cavity extent as percent of volume |
| DCM | 112018 | Calcification extent as percent of surface |
| DCM | 112019 | Calcification extent as percent of volume |
| DCM | 112058 | Calcium score |
| DCM | 112191 | Breast tissue density |
| DCM | 112192 | Volume of parenchymal tissue |
| DCM | 112193 | Volume of breast |
| DCM | 112194 | Mass of parenchymal tissue |
| DCM | 112195 | Mass of breast |
| DCM | 112196 | Area of Vascular Calcification |
| DCM | 112197 | Volume of Vascular Calcification |
| DCM | 112198 | Percentage of Vascular Calcification |
| DCM | 112199 | Mass of Vascular Calcification |



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**CID 6143 Response Criteria**

**Context ID 6143**
**Response Criteria**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CONTEXT ID 6144* | | |

**CID 6144 RECIST Response Criteria**

**Context ID 6144**
**RECIST Response Criteria**
**Type: Extensible Version: 20030108**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112041 | Target Lesion Complete Response |
| DCM | 112042 | Target Lesion Partial Response |
| DCM | 112043 | Target Lesion Progressive Disease |
| DCM | 112044 | Target Lesion Stable Disease |
| DCM | 112045 | Non-Target Lesion Complete Response |
| DCM | 112046 | Non-Target Lesion Incomplete Response or Stable Disease |
| DCM | 112047 | Non-Target Lesion Progressive Disease |

**CID 6145 Baseline Category**

**Context ID 6145**
**Baseline Category**
**Type: Extensible Version: 20030108**

Note: From RECIST

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 112074 | Target Lesion at Baseline |
| DCM | 112075 | Non-Target Lesion at Baseline |
| DCM | 112076 | Non-Lesion at Baseline |

**CID 6151 Background echotexture**

**Context ID 6151**

**Background echotexture**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111351 | Homogeneous fat echotexture |
| DCM | 111352 | Homogeneous fibroglandular echotexture |
| DCM | 111353 | Heterogeneous echotexture |

**CID 6152 Orientation**

**Context ID 6152**

**Orientation**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111355 | Parallel |
| DCM | 111356 | Not parallel |

**CID 6153 Lesion boundary**

**Context ID 6153**

**Lesion boundary**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111358 | Abrupt interface |
| DCM | 111359 | Echogenic halo |

**CID 6154 Echo pattern**

**Context ID 6154**

**Echo pattern**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111361 | Anechoic |
| DCM | 111362 | Hyperechoic |
| DCM | 111363 | Complex |
| DCM | 111364 | Hypoechoic |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111365 | Isoechoic |

**CID 6155 Posterior acoustic features**

**Context ID 6155**

**Posterior acoustic features**

**Type: Extensible Version: 20060622**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111367 | No posterior acoustic features |
| DCM | 111368 | Posterior enhancement |
| DCM | 111369 | Posterior shadowing |
| DCM | 111370 | Combined posterior enhancement and shadowing |

**CID 6157 Vascularity**

**Context ID 6157**

**Vascularity**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111373 | Vascularity not present |
| DCM | 111374 | Vascularity not assessed |
| DCM | 111375 | Vascularity present in lesion |
| DCM | 111376 | Vascularity present immediately adjacent to lesion |
| DCM | 111377 | Diffusely increased vascularity in surrounding tissue |

**CID 6158 Correlation to Other Findings**

**Context ID 6158**

**Correlation to Other Findings**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111381 | Correlates to physical exam findings |
| DCM | 111382 | Correlates to mammography findings |
| DCM | 111383 | Correlates to MRI findings |
| DCM | 111384 | Correlates to ultrasound findings |
| DCM | 111385 | Correlates to other imaging findings |
| DCM | 111386 | No correlation to other imaging findings |
| DCM | 111387 | No correlation to clinical findings |

**CID 6159 Malignancy Type**

**Context ID 6159**

**Malignancy Type**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111389 | Invasive breast carcinoma |
| SRT | M-85002 | Intraductal carcinoma, non-infiltrating |
| DCM | 111390 | Other malignancy type |

**CID 6160 Breast Primary Tumor Assessment from AJCC**

**Context ID 6160**

**Breast Primary Tumor Assessment from AJCC**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-003B8 | TX: Primary tumor cannot be assessed (breast) |
| SRT | R-003B9 | T0: No evidence of primary tumor (breast) |
| SRT | R-003BB | Tis: Carcinoma in situ (breast) |
| SRT | R-003BC | Tis: Ductal carcinoma in situ (breast) |
| SRT | R-003BD | Tis: Lobular carcinoma in situ (breast) |
| SRT | R-003BE | Tis: Paget's disease of the nipple with no tumor |
| SRT | R-003BA | T1: Tumor 2 cm or less in greatest dimension (breast) |
| SRT | R-003BF | T1mic: Microinvasion 0.1 cm or less in greatest dimension… |
| SRT | R-003C0 | T1a: Tumor more than 0.1 cm but not more than 0.5 cm… |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-003C1 | T1b: Tumor more than 0.5 cm but not more than 1 cm… |
| SRT | R-003C2 | T1c: Tumor more than 1 cm but not more than 2 cm… |
| SRT | R-003C3 | T2: Tumor more than 2 cm but not more than 5 cm… |
| SRT | R-003C4 | T3: Tumor more than 5 cm in greatest dimension (breast) |
| SRT | R-003C5 | T4: Tumor of any size with direct extension to chest wall… |
| SRT | R-003C6 | T4a: Tumor of any size with extension to chest wall, not incl… |
| SRT | R-003C7 | T4b: Tumor of any size with edema (including peau d'orange)… |
| SRT | R-003C8 | T4c: Tumor of any size with direct extension to chest wall… |
| SRT | R-003C9 | T4: Inflammatory carcinoma (breast) |

**CID 6161 Clinical Regional Lymph Node Assessment for Breast**

**Context ID 6161**

**Clinical Regional Lymph Node Assessment for Breast**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-003CA | NX: Regional lymph nodes cannot be assessed… |
| SRT | R-003CB | N0: No regional lymph node metastasis histologically… |
| SRT | R-003D0 | N1: Metastasis in 1to3 axillary lymph nodes… |
| SRT | R-003D6 | N2: Metastasis in 4 to 9 axillary lymph nodes… |
| SRT | R-003D7 | N2a: Metastasis in 4 to 9 axillary lymph nodes (…2.0 mm)… |
| SRT | R-003D8 | N2b: Metastasis in clinically apparent internal… nodes… |
| SRT | G-F749 | N3: Metastasis to ipsilateral internal mammary lymph node(s) |
| SRT | R-003D9 | N3a: Metastasis in 10 or more axillary lymph nodes… |
| SRT | R-003DA | N3b: Metastasis in clinically apparent ipsilateral internal… |
| SRT | R-003DB | N3c: Metastasis in ipsilateral supraclavicular lymph nodes… |



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**CID 6162 Assessment of Metastasis for Breast**

**Context ID 6162**

**Assessment of Metastasis for Breast**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-003DC | MX: Distant metastasis cannot be assessed (breast) |
| SRT | R-003DD | M0: No distant metastasis (breast) |
| SRT | R-003DE | M1: Distant metastasis (breast) |

**CID 6163 Menstrual Cycle Phase**

**Context ID 6163**

**Menstrual Cycle Phase**

**Type: Extensible Version: 20050822**

Note: From BI-RADS®

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111392 | 1st week |
| DCM | 111393 | 2nd week |
| DCM | 111394 | 3rd week |
| SRT | F-840B3 | Menstruation present |

**CID 6164 Time Intervals**

**Context ID 6164**

**Time Intervals**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111396 | < 3 months ago |
| DCM | 111397 | 4 months to 1 year ago |
| DCM | 111398 | > 1 year ago |
| DCM | 111399 | Not sure |



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**CID 6165 Breast Linear Measurements**

**Context ID 6165**

**Breast Linear Measurements**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| *Include CID 7470 Linear Measurements* | | |
| DCM | 121242 | Distance from nipple |
| DCM | 121243 | Distance from skin |
| DCM | 121244 | Distance from chest wall |

**CID 6166 CAD Geometry Secondary Graphical Representation**

**Context ID 6166**

**CAD Geometry Secondary Graphical Representation**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113661 | Outline of lobulations |
| DCM | 113662 | Inner limits of fuzzy margin |
| DCM | 113663 | Outer limits of fuzzy margin |
| DCM | 113664 | Outline of spiculations |
| DCM | 113665 | Linear spiculation |
| DCM | 113666 | Pixelated spiculations |
| SRT | G-A185 | Long axis |
| SRT | G-A186 | Short axis |
| DCM | 113669 | Orthogonal location arc |
| DCM | 113670 | Orthogonal location arc inner margin |
| DCM | 113671 | Orthogonal location arc outer margin |



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**CID 7000 Diagnostic Imaging Report Document Titles**

**Context ID 7000**
**Diagnostic Imaging Report Document Titles**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18745-0 | Cardiac Catheteization Report |
| LN | 11540-2 | CT Abdomen Report |
| LN | 11538-6 | CT Chest Report |
| LN | 11539-4 | CT Head Report |
| LN | 18747-6 | CT Report |
| LN | 18748-4 | Diagnostic Imaging Report |
| LN | 11522-0 | Echocardiography Report |
| LN | 18760-9 | Ultrasound Report |
| LN | 11541-0 | MRI Head Report |
| LN | 18755-9 | MRI Report |
| LN | 18756-7 | MRI Spine Report |
| LN | 18757-5 | Nuclear Medicine Report |
| LN | 11525-3 | Ultrasound Obstetric and Gyn Report |
| LN | 18758-3 | PET Scan Report |
| LN | 11528-7 | Radiology Report |



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**CID 7001 Diagnostic Imaging Report Headings**

**Context ID 7001**
**Diagnostic Imaging Report Headings**

**Type: Extensible Version:** 20050615

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121060 | History |
| DCM | 121062 | Request |
| DCM | 121064 | Current Procedure Descriptions |
| DCM | 121066 | Prior Procedure Descriptions |
| DCM | 121068 | Previous Findings |
| DCM | 121070 | Findings |
| DCM | 121072 | Impressions |
| DCM | 121074 | Recommendations |
| DCM | 121076 | Conclusions |
| DCM | 121078 | Addendum |
| DCM | 121109 | Indications for Procedure |
| DCM | 121110 | Patient Presentation |
| DCM | 121113 | Complications |
| DCM | 121111 | Summary |
| DCM | 121180 | Key Images |

**CID 7002 Diagnostic Imaging Report Elements**

**Context ID 7002**
**Diagnostic Imaging Report Elements**

**Type: Extensible Version:** 20030327

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121060 | History |
| DCM | 121062 | Request |
| DCM | 121065 | Procedure Description |
| DCM | 121069 | Previous Finding |
| DCM | 121071 | Finding |
| DCM | 121073 | Impression |
| DCM | 121075 | Recommendation |
| DCM | 121077 | Conclusion |
| SRT | DD-60002 | Complication of Procedure |
| DCM | 121110 | Patient Presentation |
| DCM | 121111 | Summary |



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**CID 7003 Diagnostic Imaging Report Purposes of Reference**

**Context ID 7003**
**Diagnostic Imaging Report Purposes of Reference**

**Type: Extensible Version:** 20030327

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121079 | Baseline |
| DCM | 121080 | Best illustration of finding |
| DCM | 121112 | Source of Measurement |

**CID 7004 Waveform Purposes of Reference**

**Context ID 7004**
**Waveform Purposes of Reference**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121301 | Simultaneous Doppler |
| DCM | 121302 | Simultaneous Hemodynamic |
| DCM | 121303 | Simultaneous ECG |
| DCM | 121304 | Simultaneous Voice Narrative |

**CID 7005 Contributing Equipment Purposes of Reference**

**Context ID 7005**
**Contributing Equipment Purposes of Reference**

**Type: Extensible Version: 20061024**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 109101 | Acquisition Equipment |
| DCM | 109102 | Processing Equipment |
| DCM | 109103 | Modifying Equipment |
| DCM | MEDIM | Portable Media Importer Equipment |
| DCM | FILMD | Film Digitizer |
| DCM | DOCD | Document Digitizer Equipment |
| DCM | VIDD | Video Tape Digitizer Equipment |



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**CID 7006 SR Document Purposes of Reference**

**Context ID 7006**
**SR Document Purposes of Reference**

**Type: Extensible Version: 20061023**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121331 | Equivalent CDA Document |
| DCM | 121332 | Complete Rendering for Presentation |
| DCM | 121333 | Partial Rendering for Presentation |
| DCM | 121334 | Extended Rendering for Presentation |
| DCM | 121335 | Source Document |

**CID 7007 Signature Purpose**

Context Group ID 7007 comprises the signature purposes codes of ASTM E 2084-00. The Coding Scheme Designator (0008,0102) shall be "ASTM-sigpurpose". The ASTM document defines the signature purpose codes as OIDs. For the purposes of this Coding Scheme only the leaf digit is used as the Code Value (0008,0100).

Note: ASTM E 1762 provides the full definitions for the signature purpose OIDs defined by E 2084. The recommended Code Meanings (0008,0104) are the titles of the definitions for the leaves of the OIDs. For example, the OID 1.2.840.10065.1.12.1 corresponds to the leaf "id-purpose-author", whose meaning could be encoded as "Author Signature" and whose code value is 1.

**CID 7008 Media Import**

This Context Group specifies items that may be conveyed in the Billing and Materials Management Module (see PS3.3).

**Context ID 7008**
**Media Import**

**Type: Extensible Version: 20061024**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 110020 | Sheet Film Digitized |
| DCM | 110021 | Cine Film Digitized |
| DCM | 110022 | Video Tape Digitized |
| DCM | 110023 | Paper Digitized |
| DCM | 110024 | CD Imported |
| DCM | 110025 | DVD Imported |
| DCM | 110026 | MOD Imported |
| DCM | 110027 | Studies Imported |
| DCM | 110028 | Instances Imported |



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**CID 7010 Key Object Selection Document Title**

**Context ID 7010**
**Key Object Selection Document Title**

**Type: Extensible Version: 20040920**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113000 | Of Interest |
| DCM | 113001 | Rejected for Quality Reasons |
| DCM | 113002 | For Referring Provider |
| DCM | 113003 | For Surgery |
| DCM | 113004 | For Teaching |
| DCM | 113005 | For Conference |
| DCM | 113006 | For Therapy |
| DCM | 113007 | For Patient |
| DCM | 113008 | For Peer Review |
| DCM | 113009 | For Research |
| DCM | 113010 | Quality Issue |
| DCM | 113013 | Best In Set |
| DCM | 113018 | For Printing |
| DCM | 113020 | For Report Attachment |
| DCM | 113030 | Manifest |
| DCM | 113031 | Signed Manifest |
| DCM | 113032 | Complete Study Content |
| DCM | 113033 | Signed Complete Study Content |
| DCM | 113034 | Complete Acquisition Content |
| DCM | 113035 | Signed Complete Acquisition Content |
| DCM | 113036 | Group of Frames for Display |

**CID 7011 Rejected for Quality Reasons**

**Context ID 7011**
**Rejected for Quality Reasons**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 111207 | Image artifact(s) |
| DCM | 111208 | Grid artifact(s) |
| DCM | 111209 | Positioning |
| DCM | 111210 | Motion blur |
| DCM | 111211 | Under exposed |
| DCM | 111212 | Over exposed |
| DCM | 111213 | No image |



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| | | |
|---|---|---|
| DCM | 111214 | Detector artifact(s) |
| DCM | 111215 | Artifact(s) other than grid or detector artifact |
| DCM | 111216 | Mechanical failure |
| DCM | 111217 | Electrical failure |
| DCM | 111218 | Software failure |
| DCM | 111219 | Inappropriate image processing |
| DCM | 111220 | Other failure |
| DCM | 111221 | Unknown failure |
| DCM | 113026 | Double exposure |

**CID 7012 Best In Set**

**Context ID 7012**
**Best In Set**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113014 | Study |
| DCM | 113015 | Series |
| DCM | 113016 | Performed Procedure Step |
| DCM | 113017 | Stage-View |

**CID 7020 Document Titles**

Context Group ID 7020 comprises all document names (i.e., terms with Scale “DOC”) within the HIPAA Attachments class of the LOINC coding scheme. The Coding Scheme Designator shall be LN.

Note: 1. A subset of this Context Group directly applicable to imaging reports is in CID 7000.
2. The LOINC coding scheme can be found at: http://www.regenstrief.org/loinc

**CID 7100 RCS Registration Method Type**

**Context ID 7100**

**RCS Registration Method Type**

**Type: Extensible Version: 20040115**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125021 | Frame of Reference Identity |
| DCM | 125023 | Acquisition Equipment Alignment |
| DCM | 125025 | Visual Alignment |
| DCM | 125022 | Fiducial Alignment |
| DCM | 125024 | Image Content-based Alignment |



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**CID 7101 Brain Atlas Fiducials**

**Context ID 7101**

**Brain Atlas Fiducials**

**Type: Extensible Version: 20040115**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125030 | Inter-Hemispheric Plane |
| SRT | T-A2980 | Anterior Commissure |
| SRT | T-A4904 | Posterior Commissure |
| DCM | 125031 | Right Hemisphere Most Anterior |
| DCM | 125032 | Right Hemisphere Most Posterior |
| DCM | 125033 | Right Hemisphere Most Superior |
| DCM | 125034 | Right Hemisphere Most Inferior |
| DCM | 125035 | Left Hemisphere Most Anterior |
| DCM | 125036 | Left Hemisphere Most Posterior |
| DCM | 125037 | Left Hemisphere Most Superior |
| DCM | 125038 | Left Hemisphere Most Inferior |

**CID 7150 Segmentation Property Categories**

**Context ID 7150**

**Segmentation Property Categories**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-D0050 | Tissue |
| SRT | T-D000A | Anatomical Structure |
| SRT | A-00004 | Physical object |
| SRT | M-01000 | Morphologically Altered Structure |
| SRT | R-42019 | Function |

**CID 7151 Segmentation Property Types**

**Context ID 7151**

**Segmentation Property Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 8 Angiographic Interventional Devices | | |
| INCLUDE CID 3010 Cardiovascular Anatomic Locations | | |
| INCLUDE CID 3827 Vessel Segments | | |



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|---|
| INCLUDE CID 3829 Pulmonary Arteries |
| INCLUDE CID 4031 Common Anatomic Regions |
| INCLUDE CID 6040 Non-Lesion Object Type |
| INCLUDE CID 6138 Chest Non-Lesion Object Type |
| INCLUDE CID 7152 Cardiac Structure Segmentation Types |
| INCLUDE CID 7153 Brain Tissue Segmentation Types |
| INCLUDE CID 7154 Abdominal Organ Segmentation Types |
| INCLUDE CID 7155 Thoracic Tissue Segmentation Types |
| INCLUDE CID 7156 Vascular Tissue Segmentation Types |
| INCLUDE CID 7157 Device Segmentation Types |
| INCLUDE CID 7158 Artifact Segmentation Types |
| INCLUDE CID 7159 Lesion Segmentation Types |
| INCLUDE CID 7160 Pelvic Organ Segmentation Types |
| INCLUDE CID 7161 Physiology Segmentation Types |

Note: This set is expected to be extended as various applications further define segmentation properties.

**CID 7152 Cardiac Structure Segmentation Types**

**Context ID 7152**

**Cardiac Structure Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-32000 | Heart |
| SRT | T-42000 | Aorta |
| SRT | T-32600 | Left Ventricle |
| SRT | T-32500 | Right Ventricle |



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**CID 7153 Brain Tissue Segmentation Types**

**Context ID 7153**

**Brain Tissue Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-A2030 | White Matter |
| SRT | T-A2020 | Grey Matter |
| SRT | T-A1000 | Cerebrospinal Fluid |
| SRT | T-A1110 | Meninges |
| SRT | T-11100 | Skull |

**CID 7154 Abdominal Organ Segmentation Types**

**Context ID 7154**

**Abdominal Organ Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-62000 | Liver |
| SRT | T-C3000 | Spleen |
| SRT | T-71000 | Kidney |
| SRT | T-B3000 | Adrenal gland |
| SRT | T-42000 | Aorta |
| SRT | T-48710 | Inferior vena cava |

**CID 7155 Thoracic Tissue Segmentation Types**

**Context ID 7155**

**Thoracic Tissue Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-28000 | Lung |
| SRT | T-D3400 | Diaphragm |
| SRT | T-26000 | Bronchi |
| SRT | T-40000 | Blood Vessel |
| SRT | T-D3300 | Mediastinum |
| SRT | T-D016E | Bone |



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**CID 7156 Vascular Tissue Segmentation Types**

**Context ID 7156**

**Vascular Tissue Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-40230 | Lumen |
| SRT | T-1A170 | Intima |
| SRT | T-40210 | Media |
| SRT | T-1A190 | Adventitia |
| SRT | M-35001 | Thrombus |
| SRT | M-520F8 | Vascular sclerosis |

**CID 7157 Device Segmentation Types**

**Context ID 7157**

**Device Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-25500 | Stent |
| SRT | A-12030 | Bone Screw |
| SRT | A-12024 | Bone Pin |
| SRT | A-11100 | Pacemaker |
| SRT | A-11206 | Defibrillator |
| SRT | A-11FCD | Left ventricular assist device |
| SRT | A-04034 | Radioactive implant |
| SRT | A-04200 | Dental Prosthesis |
| SRT | A-04036 | Inlay Dental Restoration |



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**CID 7158 Artifact Segmentation Types**

**Context ID 7158**

**Artifact Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-00916 | Clothing |
| SRT | A-17350 | Table |

**CID 7159 Lesion Segmentation Types**

**Context ID 7159**

**Lesion Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | M-8FFFF | Neoplasm |
| SRT | M-03010 | Nodule |
| SRT | M-3340A | Cyst |
| SRT | M-54000 | Necrosis |
| SRT | M-40000 | Inflammation |
| SRT | M-41610 | Abscess |



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**CID 7160 Pelvic Organ Segmentation Types**

**Context ID 7160**

**Pelvic Organ Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-94000 | Testis |
| SRT | T-83000 | Uterus |
| SRT | T-87000 | Ovary |
| SRT | T-83200 | Cervix |
| SRT | T-92000 | Prostate |
| SRT | T-93000 | Seminal Vesicle |
| SRT | T-59600 | Rectum |
| SRT | T-74000 | Bladder |
| SRT | T-13001 | Muscle |
| SRT | T-40000 | Blood Vessel |
| SRT | T-D016E | Bone |

**CID 7161 Physiology Segmentation Types**

**Context ID 7161**

**Physiology Segmentation Types**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-0039F | Perfusion |



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**CID 7201 Referenced Image Purposes of Reference**

**Context ID 7201**
**Referenced Image Purposes of Reference**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121311 | Localizer |
| DCM | 121312 | Biopsy localizer |
| DCM | 121313 | Other partial views |
| DCM | 121314 | Other image of biplane pair |
| DCM | 121315 | Other image of stereoscopic pair |
| DCM | 121316 | Images related to standalone object |
| DCM | 121317 | Spectroscopy |
| DCM | 121338 | Anatomic image |
| DCM | 121339 | Functional image |
| DCM | 121340 | Spectral filtered image |
| DCM | 121341 | Device localizer |

**CID 7202 Source Image Purposes of Reference**

**Context ID 7202**
**Source Image Purposes of Reference**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121320 | Uncompressed predecessor |
| DCM | 121321 | Mask image for image processing operation |
| DCM | 121322 | Source image for image processing operation |
| DCM | 121329 | Source image for montage |
| DCM | 121330 | Lossy compressed predecessor |



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**CID 7203 Image Derivation**

**Context ID 7203**
**Image Derivation**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113040 | Lossy Compression |
| DCM | 113041 | Apparent Diffusion Coefficient |
| DCM | 113042 | Pixel by pixel addition |
| DCM | 113043 | Diffusion weighted |
| DCM | 113044 | Diffusion Anisotropy |
| DCM | 113045 | Diffusion Attenuated |
| DCM | 113046 | Pixel by pixel division |
| DCM | 113047 | Pixel by pixel mask |
| DCM | 113048 | Pixel by pixel Maximum |
| DCM | 113049 | Pixel by pixel mean |
| DCM | 113050 | Metabolite Maps from spectroscopy data |
| DCM | 113051 | Pixel by pixel Minimum |
| DCM | 113052 | Mean Transit Time |
| DCM | 113053 | Pixel by pixel multiplication |
| DCM | 113054 | Negative Enhancement Integral |
| DCM | 113055 | Regional Cerebral Blood Flow |
| DCM | 113056 | Regional Cerebral Blood Volume |
| DCM | 113057 | R-Coefficient Map |
| DCM | 113058 | Proton Density map |
| DCM | 113059 | Signal Change Map |
| DCM | 113060 | Signal to Noise Map |
| DCM | 113061 | Standard Deviation |
| DCM | 113062 | Pixel by pixel subtraction |
| DCM | 113063 | T1 Map |
| DCM | 113064 | T2* Map |
| DCM | 113065 | T2 Map |
| DCM | 113066 | Time Course of Signal |
| DCM | 113067 | Temperature encoded |
| DCM | 113068 | Student's T-Test |
| DCM | 113069 | Time To Peak map |
| DCM | 113070 | Velocity encoded |
| DCM | 113071 | Z-Score Map |
| DCM | 113072 | Multiplanar reformatting |
| DCM | 113073 | Curved multiplanar reformatting |



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|---|---|---|
| DCM | 113074 | Volume rendering |
| DCM | 113075 | Surface rendering |
| DCM | 113076 | Segmentation |
| DCM | 113077 | Volume editing |
| DCM | 113078 | Maximum intensity projection |
| DCM | 113079 | Minimum intensity projection |
| DCM | 113085 | Spatial resampling |
| DCM | 113086 | Edge enhancement |
| DCM | 113087 | Smoothing |
| DCM | 113088 | Gaussian blur |
| DCM | 113089 | Unsharp mask |
| DCM | 113090 | Image stitching |

**CID 7205 Purpose Of Reference to Alternate Representation**

**Context ID 7205**
**Purpose Of Reference to Alternate Representation**
**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121324 | Source image |
| DCM | 121325 | Lossy compressed image |
| DCM | 121326 | Alternate SOP Class instance |
| DCM | 121327 | Full fidelity image |
| DCM | 121328 | Alternate Photometric Interpretation image |

**CID 7210 Related Series Purposes Of Reference**

**Context ID 7210**
**Related Series Purposes of Reference**
**Type: Extensible Version: 20030619**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 122400 | Simultaneously Acquired |
| DCM | 122401 | Same Anatomy |
| DCM | 122402 | Same Indication |
| DCM | 122403 | For Attenuation Correction |



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**CID 7450 Person Roles**

**Context ID 7450**

**Person Roles**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121025 | Patient |
| SRT | J-00552 | Healthcare professional |
| SRT | S-11090 | Friend |
| *Include CID 7451* | | |
| *Include CID 7452* | | |

**CID 7451 Family Member**

**Context ID 7451**

**Family Member**

**Type: Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | S-10121 | Natural mother |
| SRT | S-10131 | Natural father |
| SRT | S-10151 | Natural sister |
| SRT | S-10161 | Natural brother |
| SRT | S-101A1 | Aunt |
| SRT | S-101A2 | Uncle |
| SRT | S-10154 | Half-sister |
| SRT | S-10164 | Half-brother |
| SRT | S-10115 | Natural grand-mother |
| SRT | S-10116 | Natural grand-father |
| SRT | S-10181 | Natural daughter |
| SRT | S-10191 | Natural son |
| SRT | S-101A9 | Female first cousin |
| SRT | S-101AA | Male first cousin |



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**CID 7452 Organizational Roles**

**Context ID 7452**
**Organizational Roles**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121081 | Physician |
| DCM | 121082 | Nurse |
| DCM | 121083 | Technologist |
| DCM | 121084 | Radiographer |
| DCM | 121085 | Intern |
| DCM | 121086 | Resident |
| DCM | 121087 | Registrar |
| DCM | 121088 | Fellow |
| DCM | 121089 | Attending [Consultant] |
| DCM | 121090 | Scrub nurse |
| DCM | 121091 | Surgeon |
| DCM | 121092 | Sonologist |
| DCM | 121093 | Sonographer |
| DCM | 121105 | Radiation Physicist |

**CID 7453 Performing Roles**

**Context ID 7453**
**Performing Roles**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121094 | Performing |
| DCM | 121095 | Referring |
| DCM | 121096 | Requesting |
| DCM | 121097 | Recording |
| DCM | 121098 | Verifying |
| DCM | 121099 | Assisting |
| DCM | 121100 | Circulating |
| DCM | 121101 | Standby |



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**CID 7454 Species**

**Context ID 7454**
**Species**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | L-85B00 | homo sapiens |
| SRT | L-80A00 | Feline species |
| SRT | L-80400 | Equine species |
| SRT | L-80300 | Ovine species |
| SRT | L-80500 | Porcine species |
| SRT | L-80200 | Caprine species |
| SRT | L-80700 | Canine species |
| SRT | L-80100 | Bovine species |

**CID 7455 Sex**

This Context Group includes terms for the finding of sex of a subject for clinical purposes, such as selection of sex-based growth metrics.

**Context ID 7455**
**Sex**

**Type: Non-Extensible Version: 20040112**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Patient's Sex (0010,0040) Equivalent |
|---|---|---|---|
| DCM | M | Male | M |
| DCM | F | Female | F |
| DCM | U | Unknown sex | |
| DCM | MP | Male Pseudohermaphrodite | |
| DCM | FP | Female Pseudohermaphrodite | |
| DCM | H | Hermaphrodite | |
| DCM | MC | Male changed to Female | |
| DCM | FC | Female changed to Male | |
| DCM | 121104 | Ambiguous sex | |
| DCM | 121102 | Other sex | |
| DCM | 121103 | Undetermined sex | O |

Notes: 1. These terms are distinct from the gender of a subject for administrative purposes, although the default value for clinical sex is often based on the administrative gender (e.g., see TID 1007). The administrative value "O" from Patient's Sex (0010,0040) maps by default to "undetermined" for clinical purposes.

2. This Context Group in a prior edition of the Standard included codes improperly attributed to ISO 5218.



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3. These terms are derived from the terminology and codes for sex in ASTM E1633-02a “Standard Specification for Coded Values Used in the Electronic Health Record.”

**CID 7456 Units of Measure for Age**

**Context ID 7456**
**Units of Measure for Age**

**Type: Non-Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | 1.4 | a | year |
| UCUM | 1.4 | mo | month |
| UCUM | 1.4 | wk | week |
| UCUM | 1.4 | d | day |
| UCUM | 1.4 | h | hour |
| UCUM | 1.4 | min | minute |

**CID 7460 Units of Linear Measurement**

**Context ID 7460**
**Units of Linear Measurement**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | 1.4 | cm | centimeter |
| UCUM | 1.4 | mm | millimeter |
| UCUM | 1.4 | um | micrometer |

**CID 7461 Units of Area Measurement**

**Context ID 7461**
**Units of Area Measurement**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | 1.4 | cm2 | Square centimeter |
| UCUM | 1.4 | mm2 | Square millimeter |
| UCUM | 1.4 | um2 | Square micrometer |



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**CID 7462 Units of Volume Measurement**

**Context ID 7462**
**Units of Volume Measurement**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Coding Scheme Version (0008,0103) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | 1.4 | dm3 | Cubic decimeter |
| UCUM | 1.4 | cm3 | Cubic centimeter |
| UCUM | 1.4 | mm3 | Cubic millimeter |
| UCUM | 1.4 | um3 | Cubic micrometer |

Note: A “cubic decimeter” is a “liter”, just as a “cubic centimeter” is a “milliliter” (of water). Though there are specific units “l” and “ml” in UCUM, only one form is included here, since this context group is intended for use for volume measurements of a physical object derived from one or more images, rather than of fluid volume.

**CID 7470 Linear Measurements**

**Context ID 7470**
**Linear Measurements**

**Type: Extensible Version: 20050822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A22A | Length |
| DCM | 121211 | Path length |
| DCM | 121206 | Distance |
| SNM3 | G-A220 | Width |
| SRT | G-D785 | Depth |
| SNM3 | M-02550 | Diameter |
| SNM3 | G-A185 | Long Axis |
| SNM3 | G-A186 | Short Axis |
| SRT | G-A193 | Major Axis |
| SRT | G-A194 | Minor Axis |
| SRT | G-A195 | Perpendicular Axis |
| SNM3 | G-A196 | Radius |
| SRT | G-A197 | Perimeter |
| SNM3 | M-02560 | Circumference |
| SRT | G-A198 | Diameter of circumscribed circle |
| DCM | 121207 | Height |



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**CID 7471 Area Measurements**

**Context ID 7471**
**Area Measurements**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-A166 | Area |
| SRT | G-A16A | Area of defined region |

**CID 7472 Volume Measurements**

**Context ID 7472**
**Volume Measurements**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | G-D705 | Volume |
| DCM | 121216 | Volume estimated from single 2D region |
| DCM | 121218 | Volume estimated from two non-coplanar 2D regions |
| DCM | 121217 | Volume estimated from three or more non-coplanar 2D regions |
| DCM | 121222 | Volume of sphere |
| DCM | 121221 | Volume of ellipsoid |
| DCM | 121220 | Volume of circumscribed sphere |
| DCM | 121219 | Volume of bounding three dimensional region |

**CID 7480 Breed**

**Context ID 7480**
**Breed**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | L-80139 | Hereford cattle superbreed |
| SRT | L-8C338 | Merino sheep superbreed |
| SRT | L-80121 | Africander cattle breed |
| SRT | L-80122 | Ankole cattle breed |
| SRT | L-80123 | Ankole-Watusi cattle breed |
| SRT | L-80124 | Baladicattle cattle breed |



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| | | |
|---|---|---|
| SRT | L-80125 | Belmont Red cattle breed |
| SRT | L-80126 | Bonsmara cattle breed |
| SRT | L-80127 | Damietta cattle breed |
| SRT | L-80128 | Horro cattle breed |
| SRT | L-80129 | Kuri cattle breed |
| SRT | L-8012A | Nguni cattle breed |
| SRT | L-8012B | Philippine Native cattle breed |
| SRT | L-8012C | Romagnola cattle breed |
| SRT | L-8012E | Sanhe cattle breed |
| SRT | L-8012F | Tswana cattle breed |
| SRT | L-80138 | Tuli cattle breed |
| SRT | L-8013A | Aliab Dinka cattle breed |
| SRT | L-8013B | Alur cattle breed |
| SRT | L-8013C | Ankina cattle breed |
| SRT | L-8013D | Apulian Podolian cattle breed |
| SRT | L-8013E | Arado cattle breed |
| SRT | L-8013F | Aweil Dinka cattle breed |
| SRT | L-8014C | Bahima cattle breed |
| SRT | L-8014D | Bapedi cattle breed |
| SRT | L-8014E | Baria (Vietnam/Madagascar) cattle breed |
| SRT | L-8014F | Barotse cattle breed |
| SRT | L-8015A | Barra do Cuanzo cattle breed |
| SRT | L-8015B | Bashi cattle breed |
| SRT | L-8015C | Basuto cattle breed |
| SRT | L-8015D | Batangas cattle breed |
| SRT | L-8015E | Bavenda cattle breed |
| SRT | L-8015F | Beja cattle breed |
| SRT | L-80161 | Calabrian cattle breed |
| SRT | L-80162 | Blonde-du Cap Bon cattle breed |
| SRT | L-80163 | Cham-Doc cattle breed |
| SRT | L-80164 | Chernigov cattle breed |
| SRT | L-80165 | Chino Santandereano cattle breed |
| SRT | L-80166 | Cinisara cattle breed |
| SRT | L-80167 | Cuprem Hybrid cattle breed |
| SRT | L-80168 | Dabieshan cattle breed |
| SRT | L-80169 | Damara cattle breed |
| SRT | L-8016A | Danakil cattle breed |
| SRT | L-8016B | Dnieper cattle breed |
| SRT | L-8016C | Doayo cattle breed |
| SRT | L-8016D | Eastern Nuer cattle breed |
| SRT | L-8016E | Egyptian cattle breed |



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|---|---|---|
| SRT | L-8016F | Fogera cattle breed |
| SRT | L-80177 | Garfagnina cattle breed |
| SRT | L-80178 | Grati cattle breed |
| SRT | L-80179 | Gaunling cattle breed |
| SRT | L-8017A | Halhin Gol cattle breed |
| SRT | L-8017B | Holmonger cattle breed |
| SRT | L-8017C | Ilocos cattle breed |
| SRT | L-8017D | Iloilo cattle breed |
| SRT | L-8017E | Inkuku cattle breed |
| SRT | L-8017F | Iskar cattle breed |
| SRT | L-80180 | Istrian cattle breed |
| SRT | L-80181 | Javanese Ongole cattle breed |
| SRT | L-80182 | Javanese Zebu cattle breed |
| SRT | L-80183 | Jinnan cattle breed |
| SRT | L-80184 | Kalmyk cattle breed |
| SRT | L-80185 | Kaokoveld cattle breed |
| SRT | L-80186 | Kazakh Whitehead cattle breed |
| SRT | L-80187 | Kedah-Kelantan cattle breed |
| SRT | L-80188 | Kigezi cattle breed |
| SRT | L-80189 | Kisantu cattle breed |
| SRT | L-8018A | Kolubara cattle breed |
| SRT | L-8018B | Kurgan cattle breed |
| SRT | L-8018C | Kyoga cattle breed |
| SRT | L-8018D | Lucanian cattle breed |
| SRT | L-8018E | Maremmana cattle breed |
| SRT | L-8018F | Marianas cattle breed |
| SRT | L-80190 | Maryuti cattle breed |
| SRT | L-80191 | Mauritius Creole cattle breed |
| SRT | L-80192 | Menufi cattle breed |
| SRT | L-80193 | Mezzalina cattle breed |
| SRT | L-80194 | Modicana cattle breed |
| SRT | L-80195 | Moi cattle breed |
| SRT | L-80196 | Nama cattle breed |
| SRT | L-80197 | Nanyang cattle breed |
| SRT | L-80198 | N’Dama Sanga cattle breed |
| SRT | L-80199 | Nganda cattle breed |
| SRT | L-8019A | Nilotic Sanga cattle breed |
| SRT | L-8019B | Nkone cattle breed |
| SRT | L-8019C | North Malawi Angoni cattle breed |
| SRT | L-8019D | Nuer cattle breed |
| SRT | L-8019E | Nuras cattle breed |



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| | | |
|---|---|---|
| SRT | L-8019F | Nyoro cattle breed |
| SRT | L-801A0 | Ovambo cattle breed |
| SRT | L-801A1 | Pantelleria cattle breed |
| SRT | L-801A2 | Pinzhou cattle breed |
| SRT | L-801A3 | Porto Amboim cattle breed |
| SRT | L-801A4 | Posavina cattle breed |
| SRT | L-801A5 | Romanian Steppe cattle breed |
| SRT | L-801A6 | Saidi cattle breed |
| SRT | L-801A7 | Sardo-Modicana cattle breed |
| SRT | L-801A8 | Sengologa cattle breed |
| SRT | L-801A9 | Serere cattle breed |
| SRT | L-801AA | Seshaga cattle breed |
| SRT | L-801AB | Siberian Black Pied cattle breed |
| SRT | L-801AC | Socotra cattle breed |
| SRT | L-801AD | Southern Tswana cattle breed |
| SRT | L-801AE | Spreca cattle breed |
| SRT | L-801AF | Sunkuma cattle breed |
| SRT | L-801B0 | Taiwan Zebu cattle breed |
| SRT | L-801B1 | Thai cattle breed |
| SRT | L-801B2 | Thailand Fighting Zebu cattle breed |
| SRT | L-801B3 | Thanh-Hoa cattle breed |
| SRT | L-801B4 | Tibetan cattle breed |
| SRT | L-801B5 | Tonga cattle breed |
| SRT | L-801B6 | Toro cattle breed |
| SRT | L-801B7 | Tuni cattle breed |
| SRT | L-801B8 | Turkish Gray Steppe cattle breed |
| SRT | L-801B9 | Tuy-Hoa cattle breed |
| SRT | L-801BA | Ujumqin cattle breed |
| SRT | L-801BB | Abigar cattle breed |
| SRT | L-801BC | Africangnus cattle breed |
| SRT | L-801BD | Agerolese cattle breed |
| SRT | L-801BE | Albese cattle breed |
| SRT | L-801BF | Ukrainian Gray cattle breed |
| SRT | L-801C0 | Vietnamese Yellow cattle breed |
| SRT | L-801C1 | Watusi (USA) cattle breed |
| SRT | L-801C2 | Wenshan cattle breed |
| SRT | L-801C3 | Yakut cattle breed |
| SRT | L-801C4 | Yunnan Zebu cattle breed |
| SRT | L-801C5 | Zambia Angoni cattle breed |
| SRT | L-801C6 | Drakensberger cattle breed |
| SRT | L-801C7 | Modicana lowland cattle breed |



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|---|---|---|
| SRT | L-801C8 | Taiwan Yellow cattle breed |
| SRT | L-801C9 | Menggu cattle breed |
| SRT | L-801CA | Albères cattlebreed |
| SRT | L-801CB | Alentejana cattlebreed |
| SRT | L-801CC | American White Park cattle breed |
| SRT | L-801CD | Amerifaxcattle breed |
| SRT | L-801CE | Anatolian Black cattle breed |
| SRT | L-801CF | Andalusian Black cattle breed |
| SRT | L-801D0 | Andalusian Gray cattle breed |
| SRT | L-801D1 | Angeln cattle breed |
| SRT | L-801D2 | Asturian Mountain cattle breed |
| SRT | L-801D3 | Asturian Valley cattle breed |
| SRT | L-801D4 | Aubrac cattle breed |
| SRT | L-801D5 | Aulie-Ata cattle breed |
| SRT | L-801D6 | Australian Lowline cattle breed |
| SRT | L-801D7 | Barzona cattle breed |
| SRT | L-801D8 | Bazadais cattle breed |
| SRT | L-801D9 | Beefmaker cattle breed |
| SRT | L-801DA | Belarus Red cattle breed |
| SRT | L-801DB | Belgian Blue cattle breed |
| SRT | L-801DC | Belgian Red cattle breed |
| SRT | L-801DD | Belmont Adaptaur cattle breed |
| SRT | L-801DE | Berrendas cattle breed |
| SRT | L-801DF | Blacksided Trondheim and Norland cattle breed |
| SRT | L-801E0 | Blanco Orejinegro cattle breed |
| SRT | L-801E1 | Braunvieh cattle breed |
| SRT | L-801E2 | British White cattle breed |
| SRT | L-801E3 | Cachena cattle breed |
| SRT | L-801E4 | Canary Island cattle breed |
| SRT | L-801E5 | Carinthian Blond cattle breed |
| SRT | L-801E6 | Caucasian cattle breed |
| SRT | L-801E7 | Charolais cattle breed |
| SRT | L-801EA | Chinese Black-and-White cattle breed |
| SRT | L-801EB | Corriente cattle breed |
| SRT | L-801EC | Costeño con Cuernos cattle breed |
| SRT | L-801ED | Damascus cattle breed |
| SRT | L-801EE | Danish Red cattle breed |
| SRT | L-801EF | Devon cattle breed |
| SRT | L-801F0 | Dølafe cattle breed |
| SRT | L-801F1 | Dutch Belted cattle breed |



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|---|---|---|
| SRT | L-801F2 | Dutch Friesian cattle breed |
| SRT | L-801F3 | English Longhorn cattle breed |
| SRT | L-801F4 | Estonian Red cattle breed |
| SRT | L-801F5 | Evolène cattle breed |
| SRT | L-801F6 | Fighting Bull cattle breed |
| SRT | L-801F7 | Fjall cattle breed |
| SRT | L-801F8 | Florida Cracker/Pineywoods cattle breed |
| SRT | L-801F9 | Galician Blond cattle breed |
| SRT | L-801FA | Gascon cattle breed |
| SRT | L-801FB | German Red Pied cattle breed |
| SRT | L-801FC | Glan cattle breed |
| SRT | L-801FD | Gloucester cattle breed |
| SRT | L-801FE | Groningen Whiteheaded cattle breed |
| SRT | L-801FF | Hartón cattle breed |
| SRT | L-8031A | Bündner Oberland sheep breed |
| SRT | L-8031B | British Milk Sheep breed |
| SRT | L-8031C | Brillenschaf sheep breed |
| SRT | L-8031D | Brecknock Hill Cheviot sheep breed |
| SRT | L-8031E | Cholistani sheep breed |
| SRT | L-8031F | Bibrik sheep breed |
| SRT | L-8032A | Columbia sheep breed |
| SRT | L-8032B | Black Welsh Mountain Sheep breed |
| SRT | L-8032C | Blackhead Persian sheep breed |
| SRT | L-8032D | Bleu du Maine sheep breed |
| SRT | L-8032E | Bluefaced Leicester sheep breed |
| SRT | L-8032F | Bond sheep breed |
| SRT | L-8033A | Border Leicester sheep breed |
| SRT | L-8033B | Boreray sheep breed |
| SRT | L-8033C | Bovska sheep breed |
| SRT | L-8033D | Braunes Bergschaf sheep breed |
| SRT | L-8033E | Brazilian Somali sheep breed |
| SRT | L-8033F | Beulah Speckled-Face sheep breed |
| SRT | L-8034A | Dartmoor sheep breed |
| SRT | L-8034B | Fabrianese sheep breed |
| SRT | L-8034C | Exmoor Horn sheep breed |
| SRT | L-8034D | Elliottdale sheep breed |
| SRT | L-8034E | Drysdale sheep breed |
| SRT | L-8034F | Dorset Down sheep breed |
| SRT | L-80351 | German Blackheaded Mutton sheep breed |
| SRT | L-80352 | Kooka sheep breed |
| SRT | L-80353 | Friesian Milk Sheep breed |



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|---|---|---|
| SRT | L-80354 | Gansu Alpine Fine-wool sheep breed |
| SRT | L-80355 | German Whiteheaded Mutton sheep breed |
| SRT | L-80356 | Graue Gehoernte Heidschnucke sheep breed |
| SRT | L-80357 | Han sheep breed |
| SRT | L-80358 | Gromark sheep breed |
| SRT | L-80359 | Gulf Coast Native sheep breed |
| SRT | L-8035A | Dorper sheep breed |
| SRT | L-8035B | Devon Closewool sheep breed |
| SRT | L-8035C | Deutsches Blaukoepfiges Fleischschaf sheep breed |
| SRT | L-8035D | Derbyshire Gritstone sheep breed |
| SRT | L-8035E | Coburger Fuchsschaf sheep breed |
| SRT | L-8035F | Danish Landrace sheep breed |
| SRT | L-80360 | Gute sheep breed |
| SRT | L-80361 | Hampshire sheep breed |
| SRT | L-80362 | Gentile di Puglia sheep breed |
| SRT | L-80363 | German Mountain sheep breed |
| SRT | L-80364 | Luzein sheep breed |
| SRT | L-80365 | Katahdin sheep breed |
| SRT | L-80366 | Leineschaf sheep breed |
| SRT | L-80367 | Lincoln Longwool sheep breed |
| SRT | L-80368 | Llanwenog sheep breed |
| SRT | L-80369 | Lleyn sheep breed |
| SRT | L-8036A | Damara sheep breed |
| SRT | L-8036B | Damani sheep breed |
| SRT | L-8036C | Dalesbred sheep breed |
| SRT | L-8036D | Dala sheep breed |
| SRT | L-8036E | Criollo sheep breed |
| SRT | L-8036F | Cormo sheep breed |
| SRT | L-80370 | Lati sheep breed |
| SRT | L-80371 | Lonk sheep breed |
| SRT | L-80372 | Langhe sheep breed |
| SRT | L-80373 | Manx Loaghtan sheep breed |
| SRT | L-80374 | Masai sheep breed |
| SRT | L-80375 | Merinolandschaf sheep breed |
| SRT | L-80376 | Lohi sheep breed |
| SRT | L-80377 | Ile-de-France sheep breed |
| SRT | L-80378 | Hasht Nagri sheep breed |
| SRT | L-80379 | Hazaragie sheep breed |
| SRT | L-8037A | Coopworth sheep breed |
| SRT | L-8037B | Comisana sheep breed |



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| SRT | L-8037C | Comeback sheep breed |
| SRT | L-8037D | Sicilian Barbary sheep breed |
| SRT | L-8037E | Africana sheep breed |
| SRT | L-8037F | Welsh Mountain Badger Faced sheep breed |
| SRT | L-80380 | Hebridean sheep breed |
| SRT | L-80381 | Heidschnucke sheep breed |
| SRT | L-80382 | Herdwick sheep breed |
| SRT | L-80383 | Hill Radnor sheep breed |
| SRT | L-80384 | Icelandic sheep breed |
| SRT | L-80385 | Harnai sheep breed |
| SRT | L-80386 | Istrian Pramenka sheep breed |
| SRT | L-80387 | Jacob sheep breed |
| SRT | L-80388 | Jezerskosolcavska sheep breed |
| SRT | L-80389 | Kachhi sheep breed |
| SRT | L-8038A | Wensleydale sheep breed |
| SRT | L-8038B | West African Dwarf sheep breed |
| SRT | L-8038C | White Suffolk sheep breed |
| SRT | L-8038D | Whiteface Dartmoor sheep breed |
| SRT | L-8038E | Whiteface Woodland sheep breed |
| SRT | L-8038F | Xinjiang Finewool sheep breed |
| SRT | L-80390 | Kajli sheep breed |
| SRT | L-80391 | Hog Island Sheep breed |
| SRT | L-80392 | Biellese sheep breed |
| SRT | L-80393 | Chios sheep breed |
| SRT | L-80394 | Santa Cruz sheep breed |
| SRT | L-80395 | Charollais sheep breed |
| SRT | L-80396 | Castlemilk Moorit sheep breed |
| SRT | L-80397 | Campanian Barbary sheep breed |
| SRT | L-80398 | California Variegated Mutant sheep breed |
| SRT | L-80399 | California Red sheep breed |
| SRT | L-8039A | Sopravissana sheep breed |
| SRT | L-8039B | Somali sheep breed |
| SRT | L-8039C | Welsh Hill Speckled Face sheep breed |
| SRT | L-8039D | Skudde sheep breed |
| SRT | L-8039E | Waziri sheep breed |
| SRT | L-8039F | Shetland sheep breed |
| SRT | L-80403 | Cambridge sheep breed |
| SRT | L-80404 | Solognote sheep breed |
| SRT | L-8040A | Colombian Criollo horse breed |
| SRT | L-8040B | Comtois horse breed |
| SRT | L-8040C | Corsican horse breed |



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| SRT | L-8040D | Costa Rican Saddle Horse horse breed |
| SRT | L-8040E | Costeno horse breed |
| SRT | L-8040F | Cuban Paso horse breed |
| SRT | L-80420 | Rough Fell sheep breed |
| SRT | L-8042D | Danish Warmblood horse breed |
| SRT | L-80432 | Swaledale sheep breed |
| SRT | L-80434 | Polypay sheep breed |
| SRT | L-80441 | Pagliarola sheep breed |
| SRT | L-80442 | Pomeranian Coarsewool sheep breed |
| SRT | L-80443 | Sheep, Breed Undetermined sheep breed |
| SRT | L-80444 | Orkney sheep breed |
| SRT | L-80445 | Old Norwegian sheep breed |
| SRT | L-80446 | Old Format Sheep breed |
| SRT | L-80447 | Norwegian Fur sheep breed |
| SRT | L-80448 | Norfolk Horn sheep breed |
| SRT | L-80449 | Navajo-Churro sheep breed |
| SRT | L-80466 | Racka sheep breed |
| SRT | L-80467 | Rasa Aragonesa sheep breed |
| SRT | L-80468 | Red Engadine sheep breed |
| SRT | L-80469 | Rhoenschaf sheep breed |
| SRT | L-80470 | Hucul horse breed |
| SRT | L-80471 | AraAppaloosa horse breed |
| SRT | L-80472 | Argentine Criollo horse breed |
| SRT | L-80473 | Argentine Polo Pony horse breed |
| SRT | L-80474 | Australian Pony horse breed |
| SRT | L-80475 | Auxois horse breed |
| SRT | L-80476 | Avelignese horse breed |
| SRT | L-80477 | Azerbaijan horse breed |
| SRT | L-80478 | Azores horse breed |
| SRT | L-80479 | Bali horse breed |
| SRT | L-8047A | Balikun horse breed |
| SRT | L-8047B | Waziri horse breed |
| SRT | L-8047C | Banker Horse horse breed |
| SRT | L-8047D | Bardigiano horse breed |
| SRT | L-8047E | Batak horse breed |
| SRT | L-8047F | Bavarian Warmblood horse breed |
| SRT | L-80480 | Belgian Ardennais horse breed |
| SRT | L-80481 | Belgian Halfblood horse breed |
| SRT | L-80482 | Belgian Warmblood horse breed |
| SRT | L-80483 | Bhutia horse breed |
| SRT | L-80484 | Black Sea Horse horse breed |



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|---|---|---|
| SRT | L-80485 | Bosnian horse breed |
| SRT | L-80486 | Boulonnais horse breed |
| SRT | L-80487 | Brandenburg horse breed |
| SRT | L-80488 | Brazilian Sport Horse horse breed |
| SRT | L-80489 | British Appaloosa horse breed |
| SRT | L-8048A | British Riding Pony horse breed |
| SRT | L-8048B | British Spotted Pony horse breed |
| SRT | L-8048C | Buohai horse breed |
| SRT | L-8048D | Buryat horse breed |
| SRT | L-8048E | Calabrian horse breed |
| SRT | L-8048F | Camargue horse breed |
| SRT | L-80490 | Canadian Cutting Horse horse breed |
| SRT | L-80491 | Canadian Rustic Pony horse breed |
| SRT | L-80492 | Canadian Sport Horse horse breed |
| SRT | L-80493 | Canik horse breed |
| SRT | L-80494 | Cape Horse horse breed |
| SRT | L-80496 | Cerbat horse breed |
| SRT | L-80497 | Chakouyi horse breed |
| SRT | L-80498 | Chara Horse horse breed |
| SRT | L-80499 | Chickasaw horse breed |
| SRT | L-8049A | Chilote horse breed |
| SRT | L-8049B | Chinese Kazakh horse breed |
| SRT | L-8049C | Chinese Mongolian horse breed |
| SRT | L-8049D | Chumbivilcas horse breed |
| SRT | L-8049E | Chumysh horse breed |
| SRT | L-8049F | Cirit horse breed |
| SRT | L-804A1 | Irish Draft horse breed |
| SRT | L-804A2 | Irish Hunter horse breed |
| SRT | L-804A3 | Cuban Trotter horse breed |
| SRT | L-804A4 | Italian Heavy Draft horse breed |
| SRT | L-804A5 | Jabe horse breed |
| SRT | L-804A6 | Java horse breed |
| SRT | L-804A7 | Vendéen sheep breed |
| SRT | L-804A8 | Czech Warmblood horse breed |
| SRT | L-804A9 | Jinhong horse breed |
| SRT | L-804AA | Jinzhou horse breed |
| SRT | L-804AC | Danubian horse breed |
| SRT | L-804AD | Karachai horse breed |
| SRT | L-804AE | Karakacan horse breed |
| SRT | L-804AF | Kathiawari horse breed |
| SRT | L-804B1 | Ke-Er-Qin horse breed |



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| SRT | L-804B2 | Kirgiz horse breed |
| SRT | L-804B3 | Kuznet horse breed |
| SRT | L-804B4 | Landais horse breed |
| SRT | L-804B5 | Lewitzer horse breed |
| SRT | L-804B6 | Lichuan horse breed |
| SRT | L-804B7 | Lijiang horse breed |
| SRT | L-804B8 | Llanero horse breed |
| SRT | L-804B9 | Lombok horse breed |
| SRT | L-804BA | Lundy Pony horse breed |
| SRT | L-804BB | Malakan horse breed |
| SRT | L-804BC | Malopolski horse breed |
| SRT | L-804BD | Datong horse breed |
| SRT | L-804BE | Mangalarga Paulista horse breed |
| SRT | L-804BF | Dulmen Pony horse breed |
| SRT | L-804C1 | Maremmana horse breed |
| SRT | L-804C2 | Marwari horse breed |
| SRT | L-804C3 | Megezh horse breed |
| SRT | L-804C4 | Megrel horse breed |
| SRT | L-804C5 | Merens horse breed |
| SRT | L-804C6 | Messara horse breed |
| SRT | L-804C7 | Sumba horse breed |
| SRT | L-804C8 | Sumbawa horse breed |
| SRT | L-804C9 | Swedish Ardennes horse breed |
| SRT | L-804CA | Dutch Tuigpaard horse breed |
| SRT | L-804CB | East and Southeast Anadolu horse breed |
| SRT | L-804CC | Thai Pony horse breed |
| SRT | L-804CD | Thessalonian horse breed |
| SRT | L-804CE | Tibetan horse breed |
| SRT | L-804CF | Tieling horse breed |
| SRT | L-804D1 | Timor horse breed |
| SRT | L-804D2 | Trakya horse breed |
| SRT | L-804D3 | Trote en Gallope horse breed |
| SRT | L-804D4 | Turkoman horse breed |
| SRT | L-804D5 | Tushin horse breed |
| SRT | L-804D6 | Tuva horse breed |
| SRT | L-804D7 | Uzunyayla horse breed |
| SRT | L-804D9 | Voronezh Coach Horse horse breed |
| SRT | L-804DA | Elegant Warmblood horse breed |
| SRT | L-804DB | Welsh Cob horse breed |
| SRT | L-804DC | Welsh Mountain Pony horse breed |
| SRT | L-804DE | English Hack horse breed |



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| SRT | L-804DF | Wurttemberg horse breed |
| SRT | L-804E1 | Xilingol horse breed |
| SRT | L-804E2 | Yanqi horse breed |
| SRT | L-804E3 | Yemeni Horses horse breed |
| SRT | L-804E4 | Yili horse breed |
| SRT | L-804E5 | Yiwu horse breed |
| SRT | L-804E6 | Yunnan horse breed |
| SRT | L-804E7 | German Riding Pony horse breed |
| SRT | L-804E8 | Guanzhong horse breed |
| SRT | L-804E9 | Guizhou horse breed |
| SRT | L-804EA | Guoxia horse breed |
| SRT | L-804EB | Erlunchun horse breed |
| SRT | L-804EC | Half Saddlebred horse breed |
| SRT | L-804ED | Flores horse breed |
| SRT | L-804EE | Freiberg horse breed |
| SRT | L-804EF | Hessen horse breed |
| SRT | L-804F1 | Hinis horse breed |
| SRT | L-804F2 | Hirzai horse breed |
| SRT | L-804F3 | Hungairan Coldblood horse breed |
| SRT | L-804F4 | Hungarian Dun horse breed |
| SRT | L-804F5 | Hungarian Sport Horse horse breed |
| SRT | L-804F6 | International Striped Horse horse breed |
| SRT | L-804F7 | Irish Cob horse breed |
| SRT | L-804F8 | Mezen horse breed |
| SRT | L-804F9 | Mezohegyes Sport Horse horse breed |
| SRT | L-804FA | French Cob horse breed |
| SRT | L-804FB | French Saddle pony horse breed |
| SRT | L-804FC | Murakoz horse breed |
| SRT | L-804FE | Finnhorse Draft horse breed |
| SRT | L-804FF | Mecklenburg horse breed |
| SRT | L-80504 | Catalana chicken breed |
| SRT | L-80542 | Haiti Creole pig breed |
| SRT | L-80543 | Manor Hybrid pig breed |
| SRT | L-80544 | Hamline pig breed |
| SRT | L-80545 | Manor Ranger pig breed |
| SRT | L-80546 | Manor Meishan pig breed |
| SRT | L-80547 | Cotswold Gold pig breed |
| SRT | L-80548 | Cotswold Platinum pig breed |
| SRT | L-80549 | Cotswold 16 pig breed |
| SRT | L-8054A | Cotswold 29 pig breed |
| SRT | L-8054B | Cotswold 90 pig breed |



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| SRT | L-8054C | Hampen pig breed |
| SRT | L-8054D | SPM pig breed |
| SRT | L-8054E | High Conformation White pig breed |
| SRT | L-8054F | Line 32 pig breed |
| SRT | L-80555 | Line 21 pig breed |
| SRT | L-80556 | Meatline pig breed |
| SRT | L-80557 | Hampline pig breed |
| SRT | L-80558 | Euroline pig breed |
| SRT | L-80559 | Norline pig breed |
| SRT | L-8055A | Premier pig breed |
| SRT | L-8055B | Tribred pig breed |
| SRT | L-8055C | American Essex pig breed |
| SRT | L-8055D | Sino-Gascony pig breed |
| SRT | L-8055E | Guadeloupe Creole pig breed |
| SRT | L-8055F | Managra pig breed |
| SRT | L-8056A | Canadian Landrace pig breed |
| SRT | L-8056B | Canadian Yorkshire pig breed |
| SRT | L-8056C | Minnesota #4 pig breed |
| SRT | L-8056D | Pineywoods pig breed |
| SRT | L-8056E | Catalina Island pig breed |
| SRT | L-8056F | Ras-n-Lansa pig breed |
| SRT | L-8057B | Pitman-Moore Miniature pig breed |
| SRT | L-8057C | Vita Vet Lab Minipig pig breed |
| SRT | L-8057D | Hanford Miniature pig breed |
| SRT | L-8057E | Black Hampshire pig breed |
| SRT | L-8057F | Red Hamprace pig breed |
| SRT | L-80583 | American Yorkshire pig breed |
| SRT | L-80584 | American Berkshire pig breed |
| SRT | L-80585 | Camborough Blue pig breed |
| SRT | L-80586 | Camborough 12 pig breed |
| SRT | L-80587 | Westrain pig breed |
| SRT | L-80588 | Dalland 030 pig breed |
| SRT | L-80589 | Razor-Back pig breed |
| SRT | L-8058A | Macau pig breed |
| SRT | L-8058B | Moura pig breed |
| SRT | L-8058C | Canastra pig breed |
| SRT | L-8058D | Pirapetinga pig breed |
| SRT | L-8058E | Piau pig breed |
| SRT | L-8058F | Nilo-Canastra pig breed |
| SRT | L-80595 | Canastrão pig breed |
| SRT | L-80596 | Canastrão, Junqueira pig breed |



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| SRT | L-80597 | Canastrão, Capitão Chico pig breed |
| SRT | L-80598 | Canastrão, Zabumba pig breed |
| SRT | L-80599 | Canastrão, Cabano pig breed |
| SRT | L-8059A | Canastrão, Vermelho pig breed |
| SRT | L-8059B | Piau, Caruncho Piau pig breed |
| SRT | L-8059C | Canastrinho pig breed |
| SRT | L-8059D | Honduras Switch-Tail pig breed |
| SRT | L-8059E | Mastergilt pig breed |
| SRT | L-8059F | Sovereign pig breed |
| SRT | L-805A1 | Poltava pig breed |
| SRT | L-805A2 | Lipetsk pig breed |
| SRT | L-805A3 | Soviet Meat pig breed |
| SRT | L-805A4 | Central Russian pig breed |
| SRT | L-805A5 | Steppe Meat pig breed |
| SRT | L-805A6 | Kharkov pig breed |
| SRT | L-805A7 | Dnepropetrovsk pig breed |
| SRT | L-805A8 | Russian Large White pig breed |
| SRT | L-805A9 | Forest Mountain pig breed |
| SRT | L-805AA | Dnieper pig breed |
| SRT | L-805AB | Iberian pig breed |
| SRT | L-805AC | Iberian, Extremadura Red pig breed |
| SRT | L-805AD | Iberian, Jabugo Spotted pig breed |
| SRT | L-805AE | Iberian, Black Iberian pig breed |
| SRT | L-805AF | Philippine Native, Ilocos pig breed |
| SRT | L-805B1 | Philippine Native, Jalajala pig breed |
| SRT | L-805B2 | Mangalista pig breed |
| SRT | L-805B3 | Alentejana pig breed |
| SRT | L-805B4 | Belgian Landrace, BN pig breed |
| SRT | L-805B5 | French Large White pig breed |
| SRT | L-805B6 | Hyper Large White pig breed |
| SRT | L-805B7 | Tia Meslan pig breed |
| SRT | L-805B8 | Pen ar Lan 77 pig breed |
| SRT | L-805B9 | Penshire pig breed |
| SRT | L-805BA | Laconie pig breed |
| SRT | L-805BB | Murcian pig breed |
| SRT | L-805BC | Cavallino pig breed |
| SRT | L-805BD | Calabrian pig breed |
| SRT | L-805BE | Apulian pig breed |
| SRT | L-805BF | Siena Belted pig breed |
| SRT | L-805C1 | Calascibetta pig breed |
| SRT | L-805C2 | Güssing Forest Pig pig breed |



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| SRT | L-805C3 | Swiss Edelschwein pig breed |
| SRT | L-805C4 | North Caucasus pig breed |
| SRT | L-805C5 | Don pig breed |
| SRT | L-805C6 | Rostov pig breed |
| SRT | L-805C7 | Russian Long-Eared White pig breed |
| SRT | L-805C8 | Russian Short-Eared White pig breed |
| SRT | L-805C9 | Prisheksninsk pig breed |
| SRT | L-805CA | Breitov pig breed |
| SRT | L-805CB | Livny pig breed |
| SRT | L-805CC | Tsivilsk pig breed |
| SRT | L-805CD | Urzhum pig breed |
| SRT | L-805CE | Minisib pig breed |
| SRT | L-805CF | Sakhalin White pig breed |
| SRT | L-805D0 | North Siberian pig breed |
| SRT | L-805D1 | Siberian Black Pied pig breed |
| SRT | L-805D2 | Kemerovo pig breed |
| SRT | L-805D3 | KM-1 pig breed |
| SRT | L-805D4 | Aksaî Black Pied pig breed |
| SRT | L-805D5 | Semirechensk pig breed |
| SRT | L-805D6 | Min pig breed |
| SRT | L-805D7 | Sanjiang White pig breed |
| SRT | L-805D8 | Basque Black Pied pig breed |
| SRT | L-805D9 | Corsican pig breed |
| SRT | L-805DA | Créole pig breed |
| SRT | L-805DB | Gascony pig breed |
| SRT | L-805DC | Limousin pig breed |
| SRT | L-805DD | Harbin White pig breed |
| SRT | L-805DE | Heilongjiang Spotted pig breed |
| SRT | L-805DF | Liaoning Black pig breed |
| SRT | L-805E1 | Huang-Huai-Hai Black, Shenxian pig breed |
| SRT | L-805E2 | Huang-Huai-Hai Black pig breed |
| SRT | L-805E3 | Bamei pig breed |
| SRT | L-805E4 | Hanjiang Black pig breed |
| SRT | L-805E5 | Ding pig breed |
| SRT | L-805E6 | Huai pig breed |
| SRT | L-805E7 | New Huai pig breed |
| SRT | L-805E8 | Mashen pig breed |
| SRT | L-805E9 | Yimeng Black pig breed |
| SRT | L-805EB | Hetao Lop-Ear pig breed |
| SRT | L-805EC | Korean Native pig breed |
| SRT | L-805ED | Korean Improved pig breed |



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| SRT | L-805EE | Penbuk pig breed |
| SRT | L-805EF | Beijing Black pig breed |
| SRT | L-805F1 | Chenghua pig breed |
| SRT | L-805F2 | Taoyuan pig breed |
| SRT | L-805F3 | Taiwan Small Black pig breed |
| SRT | L-805F4 | Taiwan Small Red pig breed |
| SRT | L-805F5 | Guanling pig breed |
| SRT | L-805F6 | Huchuan Mountain pig breed |
| SRT | L-805F7 | Rongchang pig breed |
| SRT | L-805F8 | Wujin pig breed |
| SRT | L-805F9 | Dahe pig breed |
| SRT | L-805FA | Yanan pig breed |
| SRT | L-805FB | South Yunnan Short-Eared pig breed |
| SRT | L-805FC | Hainan, Lingao pig breed |
| SRT | L-805FD | Hainan, Tunchang pig breed |
| SRT | L-805FE | Hainan, Wenchang pig breed |
| SRT | L-805FF | Liang Guang Small Spotted pig breed |
| SRT | L-8060A | German Pasture pig breed |
| SRT | L-8060B | Piau, Sorocaba pig breed |
| SRT | L-8060C | Nilo pig breed |
| SRT | L-8060D | Bahia pig breed |
| SRT | L-8060E | Perna-Curta pig breed |
| SRT | L-8060F | Carunchinho pig breed |
| SRT | L-80613 | Mandi pig breed |
| SRT | L-80614 | Orehla de Colher pig breed |
| SRT | L-80615 | Venezuelan Black pig breed |
| SRT | L-80616 | Bolivian pig breed |
| SRT | L-80617 | Pelón pig breed |
| SRT | L-80618 | Mexican Wattled pig breed |
| SRT | L-80619 | Dalland 080 pig breed |
| SRT | L-8061A | Sterling pig breed |
| SRT | L-8061B | Monarch pig breed |
| SRT | L-8061C | Bisaro pig breed |
| SRT | L-8061D | Black Hairless pig breed |
| SRT | L-8061E | Black Mangalitsa pig breed |
| SRT | L-8061F | Black Slavonian pig breed |
| SRT | L-80623 | Borghigiana pig breed |
| SRT | L-80624 | Chianina pig breed |
| SRT | L-80625 | Cosentina pig breed |
| SRT | L-80626 | Cuino pig breed |
| SRT | L-80627 | Friuli Black pig breed |



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| SRT | L-80628 | Fumati pig breed |
| SRT | L-80629 | Galician pig breed |
| SRT | L-8062A | German Berkshire pig breed |
| SRT | L-8062B | Ghori pig breed |
| SRT | L-8062C | Jianli pig breed |
| SRT | L-8062D | Lucanian pig breed |
| SRT | L-8062E | Maremmana pig breed |
| SRT | L-8062F | Miami pig breed |
| SRT | L-80634 | Montmorillon pig breed |
| SRT | L-80635 | Old Swedish Spotted pig breed |
| SRT | L-80636 | Oliventina pig breed |
| SRT | L-80637 | Parmense pig breed |
| SRT | L-80638 | Romagnola pig breed |
| SRT | L-80639 | Siberian pig breed |
| SRT | L-8063A | Small White pig breed |
| SRT | L-8063B | Baltaret pig breed |
| SRT | L-8063C | Tungchang pig breed |
| SRT | L-8063D | Sterling pig breed |
| SRT | L-8063E | Vich pig breed |
| SRT | L-8063F | Vietnamese pig breed |
| SRT | L-80645 | Vitoria pig breed |
| SRT | L-80646 | Wai Chow pig breed |
| SRT | L-80647 | Yorkshire Blue and White pig breed |
| SRT | L-80648 | Dalland 020 pig breed |
| SRT | L-80649 | Wiltshire pig breed |
| SRT | L-8064A | Hamroc pig breed |
| SRT | L-8064B | DRU™ Terminals pig breed |
| SRT | L-8064C | Camborough 22 pig breed |
| SRT | L-8064D | Camborough 15 pig breed |
| SRT | L-8064E | PR 1050 pig breed |
| SRT | L-8064F | PR 1075 pig breed |
| SRT | L-8065A | Chryak PIC pig breed |
| SRT | L-8065B | Canadian Royal Blue pig breed |
| SRT | L-8065C | Line 500 Duroc pig breed |
| SRT | L-8065D | Bodmin 950 pig breed |
| SRT | L-8065E | Canadian Duroc pig breed |
| SRT | L-8065F | Canadian Hampshire pig breed |
| SRT | L-80664 | Ba Xuyen pig breed |
| SRT | L-80665 | Arapawa Island pig breed |
| SRT | L-80010 | Wuzhishan pig breed |
| SRT | L-80667 | Philippine Native pig breed |



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| SRT | L-80668 | Sinclair Miniature pig breed |
| SRT | L-80669 | Saddleback pig breed |
| SRT | L-8066A | Yucatan Minature pig breed |
| SRT | L-8066B | Bantu pig breed |
| SRT | L-8066C | Tibetan pig breed |
| SRT | L-8066D | Turopolje pig breed |
| SRT | L-8066E | Vietnamese Pot-Bellied Pig pig breed |
| SRT | L-8066F | American Landrace pig breed |
| SRT | L-80670 | Swallow Belied Mangalitza pig breed |
| SRT | L-80671 | Fengjing pig breed |
| SRT | L-80672 | Finnish Landrace pig breed |
| SRT | L-80673 | Guinea Hog pig breed |
| SRT | L-80674 | Hezuo pig breed |
| SRT | L-80675 | Ossabaw Island pig breed |
| SRT | L-80676 | Kele pig breed |
| SRT | L-80677 | Krskopolje pig breed |
| SRT | L-80678 | Kunekune pig breed |
| SRT | L-80679 | Large Black-White pig breed |
| SRT | L-8067A | Lithuanian Native pig breed |
| SRT | L-8067B | Meishan pig breed |
| SRT | L-8067C | Jinhua pig breed |
| SRT | L-8067D | Ningxiang pig breed |
| SRT | L-8067E | Mora Romagnola pig breed |
| SRT | L-8067F | Mukota pig breed |
| SRT | L-80680 | Minzhu pig breed |
| SRT | L-80681 | Neijiang pig breed |
| SRT | L-80682 | Mulefoot pig breed |
| SRT | L-80683 | Normand pig breed |
| SRT | L-80684 | Angeln Saddleback pig breed |
| SRT | L-80685 | Greek Local pig breed |
| SRT | L-80686 | Icelandic pig breed |
| SRT | L-80687 | Casertana pig breed |
| SRT | L-80688 | Madonie-Sicilian pig breed |
| SRT | L-80689 | Sardinian pig breed |
| SRT | L-8068A | Sicilian pig breed |
| SRT | L-8068B | Zlotniki Spotted pig breed |
| SRT | L-8068C | Zlotniki White pig breed |
| SRT | L-8068D | Siska pig breed |
| SRT | L-8068E | Sumadija pig breed |
| SRT | L-8068F | Froxfield Pygmy pig breed |
| SRT | L-80690 | Danish Large White pig breed |



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| SRT | L-80691 | Danish Duroc pig breed |
| SRT | L-80692 | Danish Hampshire pig breed |
| SRT | L-80693 | Piggham pig breed |
| SRT | L-80694 | New York Red pig breed |
| SRT | L-80695 | Finnish Yorkshire pig breed |
| SRT | L-80696 | Dutch Yorkshire pig breed |
| SRT | L-80697 | Pulawy pig breed |
| SRT | L-80698 | Pomeranian pig breed |
| SRT | L-80699 | Polish Landrace pig breed |
| SRT | L-8069A | Estonian Bacon pig breed |
| SRT | L-8069B | Latvian White pig breed |
| SRT | L-8069C | Lithuanian White pig breed |
| SRT | L-8069D | BKB-1 pig breed |
| SRT | L-8069E | Belorus Black Pied pig breed |
| SRT | L-8069F | Mirgorod pig breed |
| SRT | L-806A1 | Liang Guang Small Spotted, Luchuan pig breed |
| SRT | L-806A2 | Fujian Small pig breed |
| SRT | L-806A3 | North Fujian Black-and-White pig breed |
| SRT | L-806A4 | Fuan Spotted pig breed |
| SRT | L-806A5 | Putian pig breed |
| SRT | L-806A6 | Fuzhou Black pig breed |
| SRT | L-806A7 | Minbei Spotted pig breed |
| SRT | L-806A8 | Lantang pig breed |
| SRT | L-806A9 | Liang Guang Small Spotted, Guangdong Small Ear pig breed |
| SRT | L-806AA | Longlin pig breed |
| SRT | L-806AB | Yuedong Black pig breed |
| SRT | L-806AC | Xiang pig breed |
| SRT | L-806AD | Cantonese pig breed |
| SRT | L-806AE | Jinhua, Dongyang pig breed |
| SRT | L-806AF | Jinhua, Yongkang pig breed |
| SRT | L-806B1 | Daweizi pig breed |
| SRT | L-806B2 | Huazhong Two-End Black pig breed |
| SRT | L-806B3 | Huazhong Two-End Black, Jianli pig breed |
| SRT | L-806B4 | Huazhong Two-End Black, Tongcheng pig breed |
| SRT | L-806B5 | Huazhong Two-End Black, Satzeling pig breed |
| SRT | L-806B6 | Ganzhongnan Spotted pig breed |
| SRT | L-806B7 | Hang pig breed |
| SRT | L-806B8 | Leping pig breed |
| SRT | L-806B9 | Longyou Black pig breed |



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| SRT | L-806BA | Wuyi Black pig breed |
| SRT | L-806BB | Lee-Sung pig breed |
| SRT | L-806BC | Lan-Yu pig breed |
| SRT | L-806BD | Vietnamese Yorkshire pig breed |
| SRT | L-806BE | Yujiang pig breed |
| SRT | L-806BF | Wanzhe Spotted pig breed |
| SRT | L-806C1 | Wanzhe Spotted, Chunan Spotted pig breed |
| SRT | L-806C2 | Wanzhe Spotted, Wannan Spotted pig breed |
| SRT | L-806C3 | Shengxian Spotted pig breed |
| SRT | L-806C4 | Qingping pig breed |
| SRT | L-806C5 | Xiangxi Black pig breed |
| SRT | L-806C6 | Bamaxiang pig breed |
| SRT | L-806C7 | Taihu pig breed |
| SRT | L-806C8 | Erhulian pig breed |
| SRT | L-806C9 | Jiaxing Black pig breed |
| SRT | L-806CA | Mi pig breed |
| SRT | L-806CB | Shahutou pig breed |
| SRT | L-806CC | Jiaoxi pig breed |
| SRT | L-806CD | Shanghai White pig breed |
| SRT | L-806CE | Hubei White pig breed |
| SRT | L-806CF | Xinjin pig breed |
| SRT | L-806D1 | Xinjin, Jilin Black pig breed |
| SRT | L-806D2 | Xinjin, Ning-an pig breed |
| SRT | L-806D3 | Í pig breed |
| SRT | L-806D4 | DBI pig breed |
| SRT | L-806D5 | Xinjin, Xinjin pig breed |
| SRT | L-806D6 | Meixin pig breed |
| SRT | L-806D7 | North East China Spotted pig breed |
| SRT | L-806D8 | Fannong Spotted pig breed |
| SRT | L-806D9 | Laoshan pig breed |
| SRT | L-806DA | Nanjing Black pig breed |
| SRT | L-806DB | Shanxi Black pig breed |
| SRT | L-806DC | Ganzhou White pig breed |
| SRT | L-806DD | Guangxi White pig breed |
| SRT | L-806DE | Hanzhong White pig breed |
| SRT | L-806DF | Lutai White pig breed |
| SRT | L-806E1 | Yili White pig breed |
| SRT | L-806E2 | Xinjiang White pig breed |
| SRT | L-806E3 | BSI pig breed |
| SRT | L-806E4 | Mong Cai pig breed |
| SRT | L-806E5 | Lang Hong pig breed |



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| SRT | L-806E6 | Muong Khuong pig breed |
| SRT | L-806E7 | Meo pig breed |
| SRT | L-806E8 | Tong Con pig breed |
| SRT | L-806E9 | Ha Bac pig breed |
| SRT | L-806EA | Thai Binh pig breed |
| SRT | L-806EB | Co pig breed |
| SRT | L-806EC | Swiss Improved Landrace pig breed |
| SRT | L-806ED | German Landrace B pig breed |
| SRT | L-806EE | Edelschwein pig breed |
| SRT | L-806EF | Swabian-Hall pig breed |
| SRT | L-806F1 | Bentheim Black Pied pig breed |
| SRT | L-806F2 | Baldinger Spotted pig breed |
| SRT | L-806F3 | German Red Pied pig breed |
| SRT | L-806F4 | German Cornwall pig breed |
| SRT | L-806F5 | Göttingen Miniature pig breed |
| SRT | L-806F6 | Munich Miniature pig breed |
| SRT | L-806F8 | Leicoma pig breed |
| SRT | L-806F9 | Schwerfurt Meat pig breed |
| SRT | L-806FA | Hungarian White pig breed |
| SRT | L-806FB | Hungahyb pig breed |
| SRT | L-806FC | Bulgarian Native pig breed |
| SRT | L-806FD | East Balkan pig breed |
| SRT | L-806FE | Kula pig breed |
| SRT | L-806FF | Nghia Binh pig breed |
| SRT | L-807E1 | Bizanian Hound dog breed |
| SRT | L-807E2 | Bichon Teneriffe dog breed |
| SRT | L-807E3 | Bizanian Hound dog breed |
| SRT | L-807E4 | Bloodhound, St. Hubert dog breed |
| SRT | L-807E5 | Bloodhound, Southern Hound dog breed |
| SRT | L-807E6 | Bordeaux Dog breed |
| SRT | L-807E7 | Brandlbracke dog breed |
| SRT | L-807E8 | Braque d'Ariége dog breed |
| SRT | L-807E9 | Portuguese Guard Dog breed |
| SRT | L-807EA | Great Münsterländer dog breed |
| SRT | L-807EB | Beagle, Smooth dog breed |
| SRT | L-807EC | Beagle, Rough dog breed |
| SRT | L-807ED | Belgian Griffon, Rough dog breed |
| SRT | L-807EE | Belgian Griffon, Smooth dog breed |
| SRT | L-807EF | Braque Belge dog breed |
| SRT | L-807F1 | Belgian Street Dog breed |
| SRT | L-807F2 | Bernese Hound dog breed |



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| SRT | L-808A1 | Eurasier dog breed |
| SRT | L-808A2 | English Bulldog breed |
| SRT | L-808A3 | Dogue de Bourdeaux dog breed |
| SRT | L-808A4 | Kai Ken dog breed |
| SRT | L-808A5 | Kui Mlk dog breed |
| SRT | L-808A6 | Argentine Dogo dog breed |
| SRT | L-808A7 | Alentejo herder dog breed |
| SRT | L-808A8 | Saint Bernard, Long-haired dog breed |
| SRT | L-808A9 | Saint Bernard, Short-haired dog breed |
| SRT | L-808AA | West Siberian Laika dog breed |
| SRT | L-808AB | Basset Fauve de Bretagne dog breed |
| SRT | L-808AC | Japanese Retriever dog breed |
| SRT | L-808AD | Kai Dog breed |
| SRT | L-808AE | American Blue Gascon Hound dog breed |
| SRT | L-808AF | Beagle Harrier dog breed |
| SRT | L-808B1 | Kangal Dog breed |
| SRT | L-808B2 | Leopard Cur dog breed |
| SRT | L-808B3 | Patterdale Terrier dog breed |
| SRT | L-808B4 | Petit Brabaçon dog breed |
| SRT | L-808B5 | Aidi dog breed |
| SRT | L-808B6 | American Indian Dog breed |
| SRT | L-808B7 | Austrian Pinscher dog breed |
| SRT | L-808B8 | American Eskimo, standard dog breed |
| SRT | L-808B9 | American Eskimo, Miniature dog breed |
| SRT | L-808BA | American Eskimo, Toy dog breed |
| SRT | L-808BB | Basset Griffon Vendéen dog breed |
| SRT | L-808BC | Batard dog breed |
| SRT | L-808BD | Basset Bleu de Gascogne dog breed |
| SRT | L-808BE | Braque Dupuy dog breed |
| SRT | L-808BF | Bruno de Jura dog breed |
| SRT | L-808C1 | Cão da Serra de Aires dog breed |
| SRT | L-808C2 | Cão de Castro Laboreiro dog breed |
| SRT | L-808C3 | Cão de Fila Miguel dog breed |
| SRT | L-808C4 | Catalan Sheepdog breed |
| SRT | L-808C5 | Caucasian Shepherd Dog breed |
| SRT | L-808C6 | Cirneco dell'Etna dog breed |
| SRT | L-808C7 | English Toy Terrier dog breed |
| SRT | L-808C8 | German Spitz dog breed |
| SRT | L-808C9 | Dingo dog breed |
| SRT | L-808CA | Fauve de Bretagne dog breed |
| SRT | L-808CB | Hellenic Hound dog breed |



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| SRT | L-808CC | Holland Shepherd dog breed |
| SRT | L-808CD | Japanese Spitz dog breed |
| SRT | L-808CE | Jämthund dog breed |
| SRT | L-808CF | Jindo dog breed |
| SRT | L-808D1 | Karelo-Finnish Laika dog breed |
| SRT | L-808D2 | King Shepherd dog breed |
| SRT | L-808D3 | Kishu dog breed |
| SRT | L-808D4 | Kirhiz dog breed |
| SRT | L-808D5 | Magyar Agår dog breed |
| SRT | L-808D6 | Middle Asian Ovtcharka dog breed |
| SRT | L-808D7 | Mi-Ki dog breed |
| SRT | L-808D8 | Miniature Australian Shepherd dog breed |
| SRT | L-808D9 | Min-pei dog breed |
| SRT | L-808DA | Mountain Cur dog breed |
| SRT | L-808DB | Moscow Longhaired Toy Terrier dog breed |
| SRT | L-808DC | Perdigueiro Portuguese dog breed |
| SRT | L-808DD | Podengo Canario dog breed |
| SRT | L-808DE | Podengo Pequeno dog breed |
| SRT | L-808DF | Pressa Mallorquin dog breed |
| SRT | L-808E1 | Pyrenean Mastiff dog breed |
| SRT | L-808E2 | Rastreador Brasileiro dog breed |
| SRT | L-808E3 | Sabuesos Españoles dog breed |
| SRT | L-808E4 | Schiller Hound dog breed |
| SRT | L-808E5 | South Russian Steppe Hound dog breed |
| SRT | L-808E6 | Styrian Mountain dog breed |
| SRT | L-808E7 | Berger du Languedoc dog breed |
| SRT | L-808E8 | Teddy Roosevelt Terrier dog breed |
| SRT | L-808E9 | Transylvanian Hound dog breed |
| SRT | L-808EA | Trigg Hound dog breed |
| SRT | L-808EB | Tyrolean Hound dog breed |
| SRT | L-808EC | White Shepherd dog breed |
| SRT | L-808ED | Wirehair Styrian mountain dog breed |
| SRT | L-808EE | Yugoslavian Hound dog breed |
| SRT | L-808EF | Old Farm Collie dog breed |
| SRT | L-808F1 | Old German Shepherd dog breed |
| SRT | L-808F2 | New Zealand Heading Dog breed |
| SRT | L-808F3 | German Koolie dog breed |
| SRT | L-808F4 | Smithfield dog breed |
| SRT | L-808F5 | Spanish Greyhound dog breed |
| SRT | L-808F6 | Armant dog breed |
| SRT | L-808F8 | Australian Greyhound dog breed |



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| SRT | L-808F9 | Australian Terrier, rough-coated dog breed |
| SRT | L-808FA | Australian Terrier, silky dog breed |
| SRT | L-808FB | Austrian Hound dog breed |
| SRT | L-808FC | Austrian Smooth-Haired Bracke dog breed |
| SRT | L-808FD | Balkan Hound dog breed |
| SRT | L-808FE | Banjara greyhound dog breed |
| SRT | L-808FF | Beagle, Standard dog breed |
| SRT | L-80916 | Estrela Mountain Dog breed |
| SRT | L-80917 | Epagneul Picard dog breed |
| SRT | L-80918 | Epagneul Bleu de Picardie dog breed |
| SRT | L-80919 | Estonian Hound dog breed |
| SRT | L-80920 | Epagneul Pont-Audemer dog breed |
| SRT | L-80921 | Eurasian dog breed |
| SRT | L-80922 | Fell Terrier dog breed |
| SRT | L-80923 | Fila Brasileiro dog breed |
| SRT | L-80924 | Finnish Hound dog breed |
| SRT | L-80925 | Finnish Lapphund dog breed |
| SRT | L-80926 | Entlebucher dog breed |
| SRT | L-80927 | French Guard Dog breed |
| SRT | L-80928 | French Spaniel dog breed |
| SRT | L-80929 | Coton de Tuléar dog breed |
| SRT | L-80930 | Hamiltonstövare dog breed |
| SRT | L-80931 | Danish Broholmer dog breed |
| SRT | L-80932 | English Shepherd dog breed |
| SRT | L-80933 | Drentse Patrijshond dog breed |
| SRT | L-80934 | Dunker dog breed |
| SRT | L-80935 | Dutch Kooiker Dog breed |
| SRT | L-80936 | Dutch Shepherd dog breed |
| SRT | L-80937 | East Siberian Laika dog breed |
| SRT | L-80938 | Deutsche bracke dog breed |
| SRT | L-80939 | Hanoverian Hound dog breed |
| SRT | L-80940 | Hovawart dog breed |
| SRT | L-80941 | Icelandic Sheepdog breed |
| SRT | L-80942 | Inca Hairless Dog breed |
| SRT | L-80943 | Irish Red and White Setter dog breed |
| SRT | L-80944 | Jagdterrier dog breed |
| SRT | L-80945 | German Spaniel dog breed |
| SRT | L-80946 | Grand Anglo-Français dog breed |
| SRT | L-80947 | Grand Bassett Griffon Vendeen dog breed |
| SRT | L-80948 | Grand Bleu de Gascogne dog breed |
| SRT | L-80949 | Grand Gascon-Saintongeois dog breed |



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| SRT | L-80950 | German Pinscher dog breed |
| SRT | L-80951 | Greater Swiss Mountain Dog breed |
| SRT | L-80952 | Greenland Dog breed |
| SRT | L-80953 | Griffon Fauve de Bretegne dog breed |
| SRT | L-80954 | Griffon Nivernais dog breed |
| SRT | L-80955 | Grand Griffon Vendeen dog breed |
| SRT | L-80956 | Ainu dog breed |
| SRT | L-80957 | Basset Artésian Normand dog breed |
| SRT | L-80958 | Bavarian Mountain Hound dog breed |
| SRT | L-80959 | Beauceron dog breed |
| SRT | L-80960 | Azawakh dog breed |
| SRT | L-80961 | Australian Shepherd dog breed |
| SRT | L-80962 | Belgian Wolfhound dog breed |
| SRT | L-80963 | Bergamasco dog breed |
| SRT | L-80964 | Berger de Picard dog breed |
| SRT | L-80965 | Berger de Pyrenees dog breed |
| SRT | L-80966 | Billy dog breed |
| SRT | L-80967 | Belgian Griffon dog breed |
| SRT | L-80968 | American Hairless Terrier dog breed |
| SRT | L-80969 | Beagle, Elizabethan dog breed |
| SRT | L-80970 | Japanese Pointer dog breed |
| SRT | L-80971 | Akbash dog breed |
| SRT | L-80972 | Alapaha blueblood bullDog breed |
| SRT | L-80973 | Barbet dog breed |
| SRT | L-80974 | American Bulldog breed |
| SRT | L-80975 | Black Russian Terrier dog breed |
| SRT | L-80976 | Anglo-Francais de moyen venerie dog breed |
| SRT | L-80977 | Anglo-Francais de petit venerie dog breed |
| SRT | L-80978 | Appenzeller dog breed |
| SRT | L-80979 | Ariégeois dog breed |
| SRT | L-80980 | Alano Español dog breed |
| SRT | L-80981 | Australian Kelpie dog breed |
| SRT | L-80982 | Alpine dachsbracke dog breed |
| SRT | L-80983 | Chien Français Blanc et Noir dog breed |
| SRT | L-80984 | Carolina Dog breed |
| SRT | L-80985 | Catahoula Leopard dog breed |
| SRT | L-80986 | Caucasian Mountain Dog breed |
| SRT | L-80987 | Cesky Fousek dog breed |
| SRT | L-80988 | Cesky Terrier dog breed |
| SRT | L-80989 | Chart Polski dog breed |
| SRT | L-80990 | Black Forest Hound dog breed |



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| SRT | L-80991 | Chien d'Artois dog breed |
| SRT | L-80992 | Canaan dog breed |
| SRT | L-80993 | Chien Français Tricolore dog breed |
| SRT | L-80994 | Chinese Crested dog breed |
| SRT | L-80995 | Chinese Foo Dog breed |
| SRT | L-80996 | Chinese Imperial ch'in dog breed |
| SRT | L-80997 | Chinook dog breed |
| SRT | L-80998 | Chien Français Blanc et Orange dog breed |
| SRT | L-80999 | Braque Français de Grand Taille dog breed |
| SRT | L-809A1 | Bolognese dog breed |
| SRT | L-809A2 | Border Collie dog breed |
| SRT | L-809A3 | Bracco Italiano dog breed |
| SRT | L-809A4 | Cane Corso dog breed |
| SRT | L-809A5 | Braque du Bourbonnais dog breed |
| SRT | L-809A6 | Braque Francais de Petite Taille dog breed |
| SRT | L-809A7 | Braque Saint-Germain dog breed |
| SRT | L-809A8 | Briquet Basset Griffon Vendeen dog breed |
| SRT | L-809A9 | Black Mouth Cur dog breed |
| SRT | L-809AA | Braque d'Auvergne dog breed |
| SRT | L-809AB | Schapendoes dog breed |
| SRT | L-809AC | Sarplaninac dog breed |
| SRT | L-809AD | Russo-Laika dog breed |
| SRT | L-809AE | Bosnian Hound dog breed |
| SRT | L-809AF | Rat Terrier dog breed |
| SRT | L-809B1 | Pumi dog breed |
| SRT | L-809B2 | Presa Canario dog breed |
| SRT | L-809B3 | Portuguese Pointer dog breed |
| SRT | L-809B4 | Porcelaine dog breed |
| SRT | L-809B5 | Shropshire Terrier dog breed |
| SRT | L-809B6 | Boykin Spaniel dog breed |
| SRT | L-809B7 | Southern Blackmouth Cur dog breed |
| SRT | L-809B8 | South Russian Ovcharka dog breed |
| SRT | L-809B9 | Small Spanish Hound dog breed |
| SRT | L-809BA | Small Münsterländer dog breed |
| SRT | L-809BB | Slovak Cuvak dog breed |
| SRT | L-809BC | Shiloh Shepherd dog breed |
| SRT | L-809BD | Shiba Inu dog breed |
| SRT | L-809BE | Welsh Sheepdog breed |
| SRT | L-809BF | Shar-pei dog breed |
| SRT | L-809C1 | Sloughi dog breed |
| SRT | L-809C2 | Owczarek Podhalandski dog breed |



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| SRT | L-809C3 | Norbottenspets dog breed |
| SRT | L-809C4 | Norwegian Dunkerhound dog breed |
| SRT | L-809C5 | Old Danish Bird Dog breed |
| SRT | L-809C6 | Old Format Dachsund dog breed |
| SRT | L-809C7 | Old Format Manchester Terrier dog breed |
| SRT | L-809C8 | Old Format Min/Toy Poodle dog breed |
| SRT | L-809C9 | Old Format Welsh Corgi dog breed |
| SRT | L-809CA | Neopolitan Mastiff dog breed |
| SRT | L-809CB | Perdiguero de Burgos dog breed |
| SRT | L-809CC | Perdiguero Navarro dog breed |
| SRT | L-809CD | Peruvian Inca Orchid dog breed |
| SRT | L-809CE | Petit Bleu de Gascogne dog breed |
| SRT | L-809CF | Petit Gascon-Saintongeois dog breed |
| SRT | L-809D1 | Petit Griffon Bleu de Gascogne dog breed |
| SRT | L-809D2 | Olde English Bulldogge dog breed |
| SRT | L-809D3 | Löwchen dog breed |
| SRT | L-809D4 | Polski Owczarek Nizinny dog breed |
| SRT | L-809D5 | Polish Hound dog breed |
| SRT | L-809D6 | Poitevin dog breed |
| SRT | L-809D7 | Spanish Pointer dog breed |
| SRT | L-809D8 | Kyi-Leo dog breed |
| SRT | L-809D9 | Large Spanish Hound dog breed |
| SRT | L-809DA | Lundehund dog breed |
| SRT | L-809DB | Lurcher Hound dog breed |
| SRT | L-809DC | Maremma Sheepdogs dog breed |
| SRT | L-809DD | McNab dog breed |
| SRT | L-809DE | Miniature Bull Terrier dog breed |
| SRT | L-809DF | Mixed dog breed Dog breed |
| SRT | L-809E1 | Mudi dog breed |
| SRT | L-809E2 | Munster Lander Pointer dog breed |
| SRT | L-809E3 | Loenberger dog breed |
| SRT | L-809E4 | Chi Terrier dog breed |
| SRT | L-809E5 | Krasky Ovcar dog breed |
| SRT | L-809E6 | Kromfohrländer dog breed |
| SRT | L-809E7 | Havanese dog breed |
| SRT | L-809E8 | American lamalese dog breed |
| SRT | L-809E9 | Perro de Pressa Canario dog breed |
| SRT | L-809EA | Norwegian Lundehund dog breed |
| SRT | L-809EB | North American Shepherd dog breed |
| SRT | L-809EC | Kyi Apso dog breed |
| SRT | L-809ED | Swedish Lapphund dog breed |



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| SRT | L-809EE | Treeing Tennessee Brindle dog breed |
| SRT | L-809EF | Telomain dog breed |
| SRT | L-809F1 | Swedish Vallhund dog breed |
| SRT | L-809F2 | Stumpy Tail Cattle Dog breed |
| SRT | L-809F3 | Stabyhoun dog breed |
| SRT | L-809F4 | Spinone Italiano dog breed |
| SRT | L-809F5 | Spanish Mastiff dog breed |
| SRT | L-809F6 | Berger Shetland dog breed |
| SRT | L-809F7 | Thai Ridgeback dog breed |
| SRT | L-809F8 | Swiss Mountain Dog breed |
| SRT | L-809F9 | Tibetan Mastiff dog breed |
| SRT | L-809FA | Glen of Imaal Terrier dog breed |
| SRT | L-809FB | Tosa Inu dog breed |
| SRT | L-809FC | Toy Havanese Terrier dog breed |
| SRT | L-809FD | Treeing Cur dog breed |
| SRT | L-809FE | Treeing Feist dog breed |
| SRT | L-809FF | Greater Swiss Mountain Hound dog breed |
| SRT | L-80A70 | Harlequin cat breed |
| SRT | L-80A71 | Manxamese cat breed |
| SRT | L-80A73 | Maltese cat breed |
| SRT | L-80A74 | Mixed cat breed Cat cat breed |
| SRT | L-80A75 | Ragdoll cat breed |
| SRT | L-80A76 | Turkish van cat breed |
| SRT | L-80A77 | British Blue cat breed |
| SRT | L-80A78 | American Bobtail Shorthair cat breed |
| SRT | L-80A79 | American Bobtail Longhair cat breed |
| SRT | L-80A80 | American Curl cat breed |
| SRT | L-80A81 | Australian Mist cat breed |
| SRT | L-80A83 | Bengal cat breed |
| SRT | L-80A84 | Brazilian Shorthair cat breed |
| SRT | L-80A85 | California Spangled cat breed |
| SRT | L-80A86 | Chantilly/Tiffany cat breed |
| SRT | L-80A87 | Shorthair cat breed |
| SRT | L-80A88 | German Rex cat breed |
| SRT | L-80A89 | LaPerm Shorthair cat breed |
| SRT | L-80A90 | LaPerm Longhair cat breed |
| SRT | L-80A91 | Munchkin Shorthair cat breed |
| SRT | L-80A92 | Munchkin Longhair cat breed |
| SRT | L-80A93 | Nebelung cat breed |
| SRT | L-80A94 | Norwegian Forest cat breed |
| SRT | L-80A95 | Oriental Longhair cat breed |



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| | | |
|---|---|---|
| SRT | L-80A96 | Pixiebob cat breed |
| SRT | L-80A97 | Ragamuffin cat breed |
| SRT | L-80A99 | Selkirk Rex cat breed |
| SRT | L-80AA1 | Siberian cat breed |
| SRT | L-80AA2 | Snowshoe cat breed |
| SRT | L-80AA3 | Sokoke cat breed |
| SRT | L-80AA4 | Sphynx cat breed |
| SRT | L-80B01 | Bergamasca sheep breed |
| SRT | L-80B02 | Portland sheep breed |
| SRT | L-80B03 | Rideau Arcott sheep breed |
| SRT | L-80B04 | Weisse Hornlose Heidschnucke sheep breed |
| SRT | L-80B05 | Drents Heideschaap sheep breed |
| SRT | L-80B06 | Kameroen sheep breed |
| SRT | L-80B07 | Mergelland sheep breed |
| SRT | L-80B08 | Ouessant sheep breed |
| SRT | L-80B09 | Canadian Arcott sheep breed |
| SRT | L-80B10 | Noordhollander sheep breed |
| SRT | L-80B17 | Rijnlam-A sheep breed |
| SRT | L-80B18 | Schoonebeker sheep breed |
| SRT | L-80B19 | Wallis Blacknosed Sheep breed |
| SRT | L-80B22 | Newfoundland sheep breed |
| SRT | L-80B23 | Wallis Country Sheep breed |
| SRT | L-80B24 | Rideau Arcott sheep breed |
| SRT | L-80B25 | Tukidale sheep breed |
| SRT | L-80B26 | Polwarth sheep breed |
| SRT | L-80B27 | Ryeland sheep breed |
| SRT | L-80B2A | Thalli sheep breed |
| SRT | L-80B2B | Tong sheep breed |
| SRT | L-80B2C | Touabire sheep breed |
| SRT | L-80B2D | Tunis sheep breed |
| SRT | L-80B2E | Tyrol Mountain sheep breed |
| SRT | L-80B2F | Uda sheep breed |
| SRT | L-80B33 | German Mutton Merino sheep breed |
| SRT | L-80B34 | Medium-Wool Merino sheep breed |
| SRT | L-80B35 | Fonthill Merino sheep breed |
| SRT | L-80B36 | South African Mutton Merino sheep breed |
| SRT | L-80B37 | Strong Wool Merino sheep breed |
| SRT | L-80B38 | Poll Merino sheep breed |
| SRT | L-80B39 | Fine Merino sheep breed |
| SRT | L-80B3A | South African Merino sheep breed |
| SRT | L-80B40 | Superfine Merino sheep breed |



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|---|---|---|
| SRT | L-80B47 | Baden Wurttemburg horse breed |
| SRT | L-80B48 | British Warmblood horse breed |
| SRT | L-80B49 | Israeli horse breed |
| SRT | L-80B4A | French Ardennais horse breed |
| SRT | L-80B4B | Booroola Merino sheep breed |
| SRT | L-80B50 | Cukurova horse breed |
| SRT | L-80B51 | Czech Coldblood horse breed |
| SRT | L-80B52 | Czechoslovakian Small Riding Horse horse breed |
| SRT | L-80B53 | Jianchang horse breed |
| SRT | L-80B54 | Jielin horse breed |
| SRT | L-80B55 | Wielkopolski horse breed |
| SRT | L-80B56 | Eleia horse breed |
| SRT | L-80B57 | English Cob horse breed |
| SRT | L-80B58 | Welsh Pony horse breed |
| SRT | L-80B59 | Welsh Pony of Cob Type horse breed |
| SRT | L-80B5A | English Hunter horse breed |
| SRT | L-80B5B | Eriskay Pony horse breed |
| SRT | L-80B5C | Hackney Pony horse breed |
| SRT | L-80B5D | Estonian Draft horse breed |
| SRT | L-80B5E | Heihe horse breed |
| SRT | L-80B5F | Heilongkaing horse breed |
| SRT | L-80B65 | Danish Sport Pony horse breed |
| SRT | L-80B66 | Kabarda horse breed |
| SRT | L-80B67 | Kalmyk horse breed |
| SRT | L-80B68 | Mangalarga Marchador horse breed |
| SRT | L-80B69 | Don horse breed |
| SRT | L-80B6A | Manipuri horse breed |
| SRT | L-80B6B | Swiss Warmblood horse breed |
| SRT | L-80B6C | Tavda horse breed |
| SRT | L-80B6D | East Bulgarian horse breed |
| SRT | L-80B6E | East Friesian (Old Type) horse breed |
| SRT | L-80B6F | East Friesian Warmblood (Modern Type) horse breed |
| SRT | L-80B70 | Kakhetian pig breed |
| SRT | L-80B71 | West French White pig breed |
| SRT | L-80B80 | Miniature Hereford cattle breed |
| SRT | L-80B81 | Jem-Jem Zebu cattle breed |
| SRT | L-80B82 | Minusin horse breed |
| SRT | L-80B83 | Morochuco horse breed |
| SRT | L-80B84 | French Trotter horse breed |
| SRT | L-80B85 | Furioso horse breed |



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|---|---|---|
| SRT | L-80B86 | Murghese horse breed |
| SRT | L-80B87 | Mytilene horse breed |
| SRT | L-80B88 | Namib Desert Horse horse breed |
| SRT | L-80B89 | Danish Oldenborg horse breed |
| SRT | L-80B8A | Volynsk cattle breed |
| SRT | L-80B8B | Senepol cattle breed |
| SRT | L-80B8C | Shilluk cattle breed |
| SRT | L-80B8D | Sar Planina sheep breed |
| SRT | L-80B8E | Santa Inês sheep breed |
| SRT | L-80B8F | Sahel-type sheep breed |
| SRT | L-80B90 | Rygja sheep breed |
| SRT | L-80B91 | Rya sheep breed |
| SRT | L-80B92 | Moghani sheep breed |
| SRT | L-80B93 | Rouge de l'Quest sheep breed |
| SRT | L-80B94 | Soay sheep breed |
| SRT | L-80B95 | South Suffolk sheep breed |
| SRT | L-80B96 | South Wales Mountain sheep breed |
| SRT | L-80B97 | Spælsau sheep breed |
| SRT | L-80B98 | Spiegel sheep breed |
| SRT | L-80B99 | St. Croix sheep breed |
| SRT | L-80B9A | Steigar sheep breed |
| SRT | L-80B9B | Steinschaf sheep breed |
| SRT | L-80B9C | Welsh Mountain sheep breed |
| SRT | L-80B9D | Swedish Fur Sheep breed |
| SRT | L-80B9E | Teeswater sheep breed |
| SRT | L-80B9F | Texel sheep breed |
| SRT | L-80BA1 | Pelibüey sheep breed |
| SRT | L-80BA2 | Morada Nova sheep breed |
| SRT | L-80BA3 | Balkhi sheep breed |
| SRT | L-80BA4 | Bavarian Forest sheep breed |
| SRT | L-80BA5 | Barbados Blackbelly sheep breed |
| SRT | L-80BA6 | Romney sheep breed |
| SRT | L-80BA7 | Awassi sheep breed |
| SRT | L-80BA8 | Arapawa Island sheep breed |
| SRT | L-80BA9 | Arabi sheep breed |
| SRT | L-80BB1 | Apennine sheep breed |
| SRT | L-80BB2 | American Tunis sheep breed |
| SRT | L-80BB3 | Balwen Welsh Mountain sheep breed |
| SRT | L-80BB4 | Priangan sheep breed |
| SRT | L-80BB5 | Rabo Largo sheep breed |
| SRT | L-80BE6 | Muban pig breed |



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|---|---|---|
| SRT | L-80BE7 | Iban pig breed |
| SRT | L-80BE8 | Altay sheep breed |
| SRT | L-80BE9 | Faeroes sheep breed |
| SRT | L-80BF6 | Pitt Island sheep breed |
| SRT | L-80BF8 | Pinzirita sheep breed |
| SRT | L-80BF9 | Sardinian sheep breed |
| SRT | L-80C01 | East Friesian sheep breed |
| SRT | L-80C02 | Ujumqin sheep breed |
| SRT | L-80C22 | DLS sheep breed |
| SRT | L-80C23 | Walachenschaf sheep breed |
| SRT | L-80C24 | Outaouais Arcott sheep breed |
| SRT | L-80C25 | Ossimi sheep breed |
| SRT | L-80C29 | Bentheimer Landschaf sheep breed |
| SRT | L-80C30 | Barbado sheep breed |
| SRT | L-80C31 | Baluchi sheep breed |
| SRT | L-86B36 | Blanc de Bouscat rabbit breed |
| SRT | L-8A111 | American Indian Horse horse breed |
| SRT | L-8A112 | American Mustang horse breed |
| SRT | L-8A113 | American Quarter Horse horse breed |
| SRT | L-8A115 | American Shetland pony horse breed |
| SRT | L-8A116 | Anadolu horse breed |
| SRT | L-8A117 | Andean horse breed |
| SRT | L-8A118 | Anglo-Kabarda horse breed |
| SRT | L-8A125 | Narym horse breed |
| SRT | L-8A126 | National Spotted Saddle Horse horse breed |
| SRT | L-8A127 | Nigerian horse breed |
| SRT | L-8A128 | North Swedish Trotter horse breed |
| SRT | L-8A129 | Oriental Horse horse breed |
| SRT | L-8A12A | Rhineland Heavy Draft horse breed |
| SRT | L-8A12B | Romanian Saddle Horse horse breed |
| SRT | L-8A12C | Rottal horse breed |
| SRT | L-8A12D | Royal Canadian Mounted Police Horse horse breed |
| SRT | L-8A12E | Russian Saddle Horse horse breed |
| SRT | L-8A12F | Sable Island Horse horse breed |
| SRT | L-8A130 | Panje horse breed |
| SRT | L-8A131 | Patibarcina horse breed |
| SRT | L-8A132 | Pechora horse breed |
| SRT | L-8A133 | Peneia horse breed |
| SRT | L-8A134 | Periangan horse breed |
| SRT | L-8A135 | Persian Arab horse breed |



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|---|---|---|
| SRT | L-8A136 | Petiso Argentino horse breed |
| SRT | L-8A137 | Polish Draft horse breed |
| SRT | L-8A138 | Priob horse breed |
| SRT | L-8A139 | Rahvan horse breed |
| SRT | L-8A13A | Salerno horse breed |
| SRT | L-8A13B | Sandalwood horse breed |
| SRT | L-8A13C | Sandan horse breed |
| SRT | L-8A13D | Pindos horse breed |
| SRT | L-8A13E | Piquira Pony horse breed |
| SRT | L-8A13F | Pleven horse breed |
| SRT | L-8A14A | Garrano tarpan horse X domestic horse breed |
| SRT | L-8A14B | Konink tarpan horse X domestic horse breed |
| SRT | L-8A14C | Asturian tarpan horse X domestic horse breed |
| SRT | L-8A14D | Pottok tarpan horse X domestic horse breed |
| SRT | L-8A150 | Russian Trotter horse breed |
| SRT | L-8A151 | West African Barb horse breed |
| SRT | L-8A152 | Fell Pony horse breed |
| SRT | L-8A153 | National Show Horse horse breed |
| SRT | L-8A154 | Zhemaichu horse breed |
| SRT | L-8A155 | Yonaguni horse breed |
| SRT | L-8A156 | Yakut horse breed |
| SRT | L-8A157 | Tawleed horse breed |
| SRT | L-8A158 | Western Sudan Pony horse breed |
| SRT | L-8A159 | Welera Pony horse breed |
| SRT | L-8A15A | Vyatka horse breed |
| SRT | L-8A15B | Vladimir Heavy Draft horse breed |
| SRT | L-8A15C | Vlaamperd horse breed |
| SRT | L-8A15D | Ukrainian Saddle Horse horse breed |
| SRT | L-8A15E | Tori horse breed |
| SRT | L-8A15F | Tokara horse breed |
| SRT | L-8A160 | New Kirgiz horse breed |
| SRT | L-8A161 | Oldenburg horse breed |
| SRT | L-8A162 | Misaki horse breed |
| SRT | L-8A163 | Miyako horse breed |
| SRT | L-8A164 | Mongolian horse breed |
| SRT | L-8A165 | Waler horse breed |
| SRT | L-8A166 | Dutch Draft horse breed |
| SRT | L-8A167 | Egyptian horse breed |
| SRT | L-8A168 | Estonian Native horse breed |
| SRT | L-8A169 | Exmoor Pony horse breed |
| SRT | L-8A16A | Faeroes Island Horse horse breed |



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| SRT | L-8A16B | Falabella horse breed |
| SRT | L-8A16C | Dutch Warmblood horse breed |
| SRT | L-8A16D | Dongola horse breed |
| SRT | L-8A16E | Døle horse breed |
| SRT | L-8A16F | Djerma horse breed |
| SRT | L-8A170 | Deliboz horse breed |
| SRT | L-8A171 | Dartmoor Pony horse breed |
| SRT | L-8A172 | Crioulo horse breed |
| SRT | L-8A173 | Finnhorse horse breed |
| SRT | L-8A174 | Sanfratello horse breed |
| SRT | L-8A175 | Morab horse breed |
| SRT | L-8A176 | Moyle horse breed |
| SRT | L-8A177 | Mustang horse breed |
| SRT | L-8A178 | M'Bayar horse breed |
| SRT | L-8A179 | Lusitano horse breed |
| SRT | L-8A17A | Newfoundland Pony horse breed |
| SRT | L-8A17B | Noma horse breed |
| SRT | L-8A17C | Nooitgedacht Pony horse breed |
| SRT | L-8A17D | Nordland horse breed |
| SRT | L-8A17E | Noric horse breed |
| SRT | L-8A17F | North Swedish Horse horse breed |
| SRT | L-8A180 | Northeastern horse breed |
| SRT | L-8A181 | Kisber Felver horse breed |
| SRT | L-8A182 | Anglo-Arab horse breed |
| SRT | L-8A183 | Nonius horse breed |
| SRT | L-8A184 | Nooitgedacht horse breed |
| SRT | L-8A185 | Iomud horse breed |
| SRT | L-8A186 | Jutland horse breed |
| SRT | L-8A187 | Karabair horse breed |
| SRT | L-8A188 | Karabakh horse breed |
| SRT | L-8A189 | Kazakh horse breed |
| SRT | L-8A18A | Mangalarga horse breed |
| SRT | L-8A18B | Kirdi Pony horse breed |
| SRT | L-8A18C | Kiso horse breed |
| SRT | L-8A18D | Kladruby horse breed |
| SRT | L-8A18E | Knabstrup horse breed |
| SRT | L-8A18F | Kushum horse breed |
| SRT | L-8A190 | Kustanai horse breed |
| SRT | L-8A191 | Latvian horse breed |
| SRT | L-8A192 | Lithuanian Heavy Draft horse breed |
| SRT | L-8A193 | Lokai horse breed |



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|---|---|---|
| SRT | L-8A194 | Kiger Mustang horse breed |
| SRT | L-8A195 | Pony of the Americas horse breed |
| SRT | L-8A196 | Pintabian horse breed |
| SRT | L-8A197 | Pantaneiro horse breed |
| SRT | L-8A198 | Orlov Trotter horse breed |
| SRT | L-8A199 | Northern Ardennais horse breed |
| SRT | L-8A19A | Abtenauer horse breed |
| SRT | L-8A19B | Adaev horse breed |
| SRT | L-8A19C | Albanian horse breed |
| SRT | L-8A19E | Alter Real horse breed |
| SRT | L-8A19F | American Bashkir Curly horse breed |
| SRT | L-8A1A1 | Poitou Mule Producer horse breed |
| SRT | L-8A1A2 | Polesian horse breed |
| SRT | L-8A1A3 | Sardinian Anglo-Arab horse breed |
| SRT | L-8A1A4 | Sardinian Pony horse breed |
| SRT | L-8A1A5 | Sarvar horse breed |
| SRT | L-8A1A6 | Schleswig horse breed |
| SRT | L-8A1A7 | Schwarzwalder Fuchse horse breed |
| SRT | L-8A1A8 | Senne horse breed |
| SRT | L-8A1A9 | Shan horse breed |
| SRT | L-8A1AA | Silesian horse breed |
| SRT | L-8A1AB | Sini horse breed |
| SRT | L-8A1AC | Skyros horse breed |
| SRT | L-8A1AD | Slovak Warmblood horse breed |
| SRT | L-8A1AE | Sokolka horse breed |
| SRT | L-8A1AF | South African Miniature horse breed |
| SRT | L-8A1B1 | South German Coldblood horse breed |
| SRT | L-8A1B2 | Southwest Spanish Mustang horse breed |
| SRT | L-8A1B4 | Spanish-American Horse horse breed |
| SRT | L-8A1B5 | Spanish Anglo-Arab horse breed |
| SRT | L-8A1B6 | Spanish Colonial Horse horse breed |
| SRT | L-8A1B7 | Spiti horse breed |
| SRT | L-8A1B8 | Sulawesi horse breed |
| SRT | L-8A1B9 | Criollo horse breed |
| SRT | L-8A1BA | Hequ horse breed |
| SRT | L-8A1BB | Connemara Pony horse breed |
| SRT | L-8A1BC | Colorado Ranger horse breed |
| SRT | L-8A1BD | Dales Pony horse breed |
| SRT | L-8A1BE | Gotland horse breed |
| SRT | L-8A1BF | Chincoteague Pony horse breed |
| SRT | L-8A1C1 | Hokkaido horse breed |



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| SRT | L-8A1C2 | Highland Pony horse breed |
| SRT | L-8A1C3 | Groningen horse breed |
| SRT | L-8A1C4 | Cuban Pinto horse breed |
| SRT | L-8A1C5 | Fleuve horse breed |
| SRT | L-8A1C6 | Golden American Saddlebred horse breed |
| SRT | L-8A1C7 | Gidran horse breed |
| SRT | L-8A1C8 | Gelderland horse breed |
| SRT | L-8A1C9 | Galician Pony horse breed |
| SRT | L-8A1CA | Friesian horse breed |
| SRT | L-8A1CB | Frederiksborg horse breed |
| SRT | L-8A1CC | Fouta horse breed |
| SRT | L-8A1CD | Florida Cracker horse breed |
| SRT | L-8A1CE | Guangxi horse breed |
| SRT | L-8A1CF | Ardennes horse breed |
| SRT | L-8A1D1 | American Walking Pony horse breed |
| SRT | L-8A1D2 | Azteca horse breed |
| SRT | L-8A1D3 | American Cream Draft horse breed |
| SRT | L-8A1D4 | Altai horse breed |
| SRT | L-8A1D5 | Akhal-Teke horse breed |
| SRT | L-8A1D6 | Abyssinian horse breed |
| SRT | L-8A1D7 | Bhirum Pony horse breed |
| SRT | L-8A1D8 | Cheju horse breed |
| SRT | L-8A1D9 | Cayuse horse breed |
| SRT | L-8A1DA | Caspian horse breed |
| SRT | L-8A1DB | Carthusian horse breed |
| SRT | L-8A1DC | Campolina horse breed |
| SRT | L-8A1DD | Byelorussian Harness horse breed |
| SRT | L-8A1DE | Budyonny horse breed |
| SRT | L-8A1DF | Australian Brumby horse breed |
| SRT | L-8A1E1 | Australian Stock Horse horse breed |
| SRT | L-8A1E2 | Basuto Pony horse breed |
| SRT | L-8A1E3 | Bashkir Curly horse breed |
| SRT | L-8A1E4 | Bashkir horse breed |
| SRT | L-8A1E5 | Barb horse breed |
| SRT | L-8A1E6 | Ban-ei horse breed |
| SRT | L-8A1E7 | Carpathian Pony horse breed |
| SRT | L-8A1E8 | Baluchi horse breed |
| SRT | L-8A1E9 | Balearic horse breed |
| SRT | L-8A1EA | Chilean Corralero horse breed |
| SRT | L-8A1EB | Breton horse breed |
| SRT | L-8A1EC | Taishuh horse breed |



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|---|---|---|
| SRT | L-8A1ED | Swedish Warmblood horse breed |
| SRT | L-8A1EE | Sudan Country-Bred horse breed |
| SRT | L-8A1EF | Spanish-Norman horse breed |
| SRT | L-8A1F1 | Spanish Barb horse breed |
| SRT | L-8A1F2 | Soviet Heavy Draft horse breed |
| SRT | L-8A1F3 | Sorraia horse breed |
| SRT | L-8A1F4 | Somali Pony horse breed |
| SRT | L-8A1F5 | Tersk horse breed |
| SRT | L-8A1F6 | Shagya horse breed |
| SRT | L-8A1F7 | Selle Francais horse breed |
| SRT | L-8A1F8 | Sanhe horse breed |
| SRT | L-8A1FA | Russian Heavy Draft horse breed |
| SRT | L-8A1FB | Rocky Mountain Horse horse breed |
| SRT | L-8A1FC | Racking Horse horse breed |
| SRT | L-8A1FD | Quarter Pony horse breed |
| SRT | L-8A1FE | Quarab horse breed |
| SRT | L-8A1FF | Single-Footing Horse horse breed |
| SRT | L-8B105 | Tuy Hoa Hairless pig breed |
| SRT | L-8B106 | Hainan pig breed |
| SRT | L-8B107 | Sino-Vietnamese pig breed |
| SRT | L-8B108 | Bo Xu pig breed |
| SRT | L-8B109 | Thuoc Nhieu pig breed |
| SRT | L-8B111 | Burmese pig breed |
| SRT | L-8B112 | Chin pig breed |
| SRT | L-8B113 | Siamese pig breed |
| SRT | L-8B114 | Hailum pig breed |
| SRT | L-8B115 | Kwai pig breed |
| SRT | L-8B116 | Raad pig breed |
| SRT | L-8B117 | Akha pig breed |
| SRT | L-8B118 | South China pig breed |
| SRT | L-8B119 | South China Black pig breed |
| SRT | L-8B121 | Balinese pig breed |
| SRT | L-8B122 | Diani pig breed |
| SRT | L-8B123 | Kaman pig breed |
| SRT | L-8B124 | Ashanti Dwarf pig breed |
| SRT | L-8B125 | Koronadal pig breed |
| SRT | L-8B126 | Ohmini pig breed |
| SRT | L-8B127 | Clawn pig breed |
| SRT | L-8B128 | Inobuta (inter-species hybrid) pig breed |
| SRT | L-8B129 | Kangaroo Island pig breed |
| SRT | L-8B130 | Captain Cooker pig breed |



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|---|---|---|
| SRT | L-8B131 | West African pig breed |
| SRT | L-8B132 | Nigerian pig breed |
| SRT | L-8B133 | Bakosi pig breed |
| SRT | L-8B134 | Windsnyer pig breed |
| SRT | L-8B135 | Kolbroek pig breed |
| SRT | L-8B136 | South African Landrace pig breed |
| SRT | L-8B137 | Bulgarian White pig breed |
| SRT | L-8B139 | Bulgarian Landrace pig breed |
| SRT | L-8B140 | Danube White pig breed |
| SRT | L-8B141 | Dermantsi Pied pig breed |
| SRT | L-8B142 | Romanian Native, Stocli pig breed |
| SRT | L-8B143 | Romanian Native, Baltaret pig breed |
| SRT | L-8B144 | Banat White pig breed |
| SRT | L-8B145 | Bazna pig breed |
| SRT | L-8B146 | Dobrogea Black pig breed |
| SRT | L-8B147 | Strei pig breed |
| SRT | L-8B148 | Romanian Large White pig breed |
| SRT | L-8B149 | Romanian Meat Pig pig breed |
| SRT | L-8B150 | Gurktal pig breed |
| SRT | L-8B151 | Black Slavonian pig breed |
| SRT | L-8B152 | Resava pig breed |
| SRT | L-8B153 | Morava pig breed |
| SRT | L-8B155 | Dzumalia pig breed |
| SRT | L-8B156 | Macedonian pig breed |
| SRT | L-8B157 | Albanian Native pig breed |
| SRT | L-8B158 | Shkodra pig breed |
| SRT | L-8B159 | Slovenian White pig breed |
| SRT | L-8B160 | Subotica White pig breed |
| SRT | L-8B161 | Prestice pig breed |
| SRT | L-8B162 | Slovakian Black Pied pig breed |
| SRT | L-8B163 | Czech Improved White pig breed |
| SRT | L-8B164 | Moravian Large Yorkshire pig breed |
| SRT | L-8B165 | Slovakian White pig breed |
| SRT | L-8B166 | Slovhyb-1 pig breed |
| SRT | L-8B167 | Nitra Hybrid pig breed |
| SRT | L-8B168 | Synthetic SL98 pig breed |
| SRT | L-8B169 | SL96 pig breed |
| SRT | L-8B170 | Czech Meat pig breed |
| SRT | L-8B171 | Czech Miniature pig breed |
| SRT | L-8B172 | Small Polish Prick-Eared pig breed |
| SRT | L-8B173 | Polesian pig breed |



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|---|---|---|
| SRT | L-8B174 | Nadbuzanska pig breed |
| SRT | L-8B175 | Sarny pig breed |
| SRT | L-8B176 | Krolevets pig breed |
| SRT | L-8B177 | Polish Marsh pig breed |
| SRT | L-8B178 | Large Polish Long-Eared pig breed |
| SRT | L-8B958 | Herens cattle breed |
| SRT | L-8B959 | Hinterwald cattle breed |
| SRT | L-8B95A | Hungarian Gray cattle breed |
| SRT | L-8B95B | Icelandic cattle breed |
| SRT | L-8B95C | Illawarra cattle breed |
| SRT | L-8B95D | Irish Moiled cattle breed |
| SRT | L-8B95E | Israeli Holstein cattle breed |
| SRT | L-8B95F | Istoben cattle breed |
| SRT | L-8B961 | Jaulan cattle breed |
| SRT | L-8B962 | Kazakh cattle breed |
| SRT | L-8B963 | Kerry cattle breed |
| SRT | L-8B964 | Kholmogory cattle breed |
| SRT | L-8B966 | Latvian Brown cattle breed |
| SRT | L-8B967 | Lincoln Red Shorthorn cattle breed |
| SRT | L-8B968 | Lithuanian Red cattle breed |
| SRT | L-8B969 | Mashona cattle breed |
| SRT | L-8B96A | Milking Devon cattle breed |
| SRT | L-8B96B | Mirandesa cattle breed |
| SRT | L-8B96C | Mixed dairy cattle breed |
| SRT | L-8B96D | Mongolian cattle breed |
| SRT | L-8B96E | Morucha cattle breed |
| SRT | L-8B96F | Kurdi cattle breed |
| SRT | L-8B971 | N’dama cattle breed |
| SRT | L-8B972 | Norwegian Red cattle breed |
| SRT | L-8B973 | Parthenais cattle breed |
| SRT | L-8B974 | Polish Red cattle breed |
| SRT | L-8B975 | Rätien Gray cattle breed |
| SRT | L-8B976 | Red and White cattle breed |
| SRT | L-8B977 | Red Angus cattle breed |
| SRT | L-8B978 | Red Polled Østland cattle breed |
| SRT | L-8B979 | Red Steppe cattle breed |
| SRT | L-8B97A | Reggiana cattle breed |
| SRT | L-8B97B | Retinta cattle breed |
| SRT | L-8B97C | Romosinuano cattle breed |
| SRT | L-8B97D | Russian Black Pied cattle breed |
| SRT | L-8B97E | RX3 cattle breed |



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|---|---|---|
| SRT | L-8B97F | Salorn cattle breed |
| SRT | L-8B983 | Murboden cattle breed |
| SRT | L-8B984 | San Martinero cattle breed |
| SRT | L-8B985 | Sarabi cattle breed |
| SRT | L-8B987 | Sharabi cattle breed |
| SRT | L-8B988 | Shetland cattle breed |
| SRT | L-8B989 | Simbrah cattle breed |
| SRT | L-8B98A | South Devon cattle breed |
| SRT | L-8B98B | Suffolk cattle breed |
| SRT | L-8B98C | Sussex cattle breed |
| SRT | L-8B98D | Swedish Red Polled cattle breed |
| SRT | L-8B98E | Telemark cattle breed |
| SRT | L-8B98F | Texas Longhorn cattle breed |
| SRT | L-8B990 | Texon cattle breed |
| SRT | L-8B991 | Vestland Fjord cattle breed |
| SRT | L-8B992 | Vestland Red Polled cattle breed |
| SRT | L-8B993 | Wagyu cattle breed |
| SRT | L-8B994 | White Cáceres cattle breed |
| SRT | L-8B995 | Xinjiang Brown cattle breed |
| SRT | L-8B996 | Yanbian cattle breed |
| SRT | L-8B998 | Zaobei cattle breed |
| SRT | L-8B999 | Zavot cattle breed |
| SRT | L-8B99A | Znamensk cattle breed |
| SRT | L-8B99B | Alistana-Sanabresa cattle breed |
| SRT | L-8B99C | Andalusian Blond cattle breed |
| SRT | L-8B99D | Aosta Black Pied cattle breed |
| SRT | L-8B99E | Aosta Chestnut cattle breed |
| SRT | L-8B99F | Aosta Red Pied cattle breed |
| SRT | L-8B9A0 | Aracena cattle breed |
| SRT | L-8B9A1 | Argentine Friesian cattle breed |
| SRT | L-8B9A2 | Armorican cattle breed |
| SRT | L-8B9A3 | Arouquesa cattle breed |
| SRT | L-8B9A4 | Aure et Saint-Girons cattle breed |
| SRT | L-8B9A5 | Australian White cattle breed |
| SRT | L-8B9A6 | Austrian Simmental cattle breed |
| SRT | L-8B9A7 | Austrian Yellow cattle breed |
| SRT | L-8B9A8 | Avetonou cattle breed |
| SRT | L-8B9A9 | Avilena cattle breed |
| SRT | L-8B9AA | Avilena-Black Iberian cattle breed |
| SRT | L-8B9AB | Bakosi cattle breed |
| SRT | L-8B9AC | Bakwiri cattle breed |



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|---|---|---|
| SRT | L-8B9AD | Baltic Black Pied cattle breed |
| SRT | L-8B9AE | Baoule cattle breed |
| SRT | L-8B9AF | Barrosa cattle breed |
| SRT | L-8B9B0 | Barroso cattle breed |
| SRT | L-8B9B1 | Bearnais cattle breed |
| SRT | L-8B9B2 | Beef shorthorn cattle breed |
| SRT | L-8B9B3 | Beef syntheticcattle breed |
| SRT | L-8B9B4 | Beijing Black Pied cattle breed |
| SRT | L-8B9B5 | Beiroa cattle breed |
| SRT | L-8B9B6 | Belgian Black Pied Holsteincattle breed |
| SRT | L-8B9B7 | Belgian Red Pied cattle breed |
| SRT | L-8B9B8 | Belgian White and Red cattle breed |
| SRT | L-8B9B9 | Belted Welsh cattle breed |
| SRT | L-8B9BA | Bestuzhev cattle breed |
| SRT | L-8B9BB | Betizuak cattle breed |
| SRT | L-8B9BC | Black Baldy cattle breed |
| SRT | L-8B9BD | Black Forrest cattle breed |
| SRT | L-8B9BE | Black Iberian cattle breed |
| SRT | L-8B9BF | Northern Blue cattle breed |
| SRT | L-8B9C0 | Bragado do Sorraia cattle breed |
| SRT | L-8B9C1 | Braganca cattle breed |
| SRT | L-8B9C2 | Brandrood Ijsselvee cattle breed |
| SRT | L-8B9C3 | Brazilian Polled cattle breed |
| SRT | L-8B9C4 | Breton Black Pied cattle breed |
| SRT | L-8B9C5 | Brown Atlas cattle breed |
| SRT | L-8B9C6 | Bulgarian Brown cattle breed |
| SRT | L-8B9C7 | Bulgarian Red cattle breed |
| SRT | L-8B9C8 | Burlina cattle breed |
| SRT | L-8B9C9 | Burwash cattle breed |
| SRT | L-8B9CA | Byelorussian Red cattle breed |
| SRT | L-8B9CB | Byelorussian Synthetic cattle breed |
| SRT | L-8B9CC | Cabannina cattle breed |
| SRT | L-8B9CD | Caldeano cattle breed |
| SRT | L-8B9CE | Caldelana cattle breed |
| SRT | L-8B9CF | Calvana cattle breed |
| SRT | L-8B9D0 | Camargue cattle breed |
| SRT | L-8B9D1 | Cambodian cattle breed |
| SRT | L-8B9D2 | Caracu cattle breed |
| SRT | L-8B9D3 | Carpathian Brown cattle breed |
| SRT | L-8B9D4 | Casanareno cattle breed |
| SRT | L-8B9D5 | Central Russian Black Pied cattle breed |



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|---|---|---|
| SRT | L-8B9D6 | Chaouia cattle breed |
| SRT | L-8B9D7 | Charollandais cattle breed |
| SRT | L-8B9D8 | Char-swiss cattle breed |
| SRT | L-8B9D9 | Korean Black cattle breed |
| SRT | L-8B9DA | Chesi cattle breed |
| SRT | L-8B9DB | Cheurfa cattle breed |
| SRT | L-8B9DC | Chiford cattle breed |
| SRT | L-8B9DD | Chimaine cattle breed |
| SRT | L-8B9DE | Chinampo cattle breed |
| SRT | L-8B9DF | Cildir cattle breed |
| SRT | L-8B9E0 | COOPELSO 93 cattle breed |
| SRT | L-8B9E1 | Thrace cattle breed |
| SRT | L-8B9E2 | Corsican cattle breed |
| SRT | L-8B9E3 | Cretan Lowland cattle breed |
| SRT | L-8B9E4 | Cretan Mountain cattle breed |
| SRT | L-8B9E5 | Croatian Red cattle breed |
| SRT | L-8B9E6 | Cukurova cattle breed |
| SRT | L-8B9E7 | Curraleiro cattle breed |
| SRT | L-8B9E8 | Cyprus cattle breed |
| SRT | L-8B9E9 | Czech Pied cattle breed |
| SRT | L-8B9EA | Dagestan Mountain cattle breed |
| SRT | L-8B9EB | Dairy Shorthorn cattle breed |
| SRT | L-8B9EC | Dairy Synthetic cattle breed |
| SRT | L-8B9ED | Danish Red Pied cattle breed |
| SRT | L-8B9EE | Dengchuan cattle breed |
| SRT | L-8B9EF | Dexter-Kerry cattle breed |
| SRT | L-8B9F0 | Doran cattle breed |
| SRT | L-8B9F1 | Dorna cattle breed |
| SRT | L-8B9F2 | Dortyol cattle breed |
| SRT | L-8B9F3 | East Anatolian Red cattle breed |
| SRT | L-8B9F4 | East Finnish cattle breed |
| SRT | L-8B9F5 | East Macedonian cattle breed |
| SRT | L-8B9F6 | Epirus cattle breed |
| SRT | L-8B9F7 | Estonian Black Pied cattle breed |
| SRT | L-8B9FA | Ferrandais cattle breed |
| SRT | L-8B9FB | Finnish Ayrshire cattle breed |
| SRT | L-8B9FC | Flemish cattle breed |
| SRT | L-8B9FD | Red Flemish cattle breed |
| SRT | L-8B9FE | Fort Cross cattle breed |
| SRT | L-8B9FF | Frati cattle breed |
| SRT | L-8BA00 | Estonian Native cattle breed |



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|---|---|---|
| SRT | L-8BA01 | Faeroes cattle breed |
| SRT | L-8BA02 | French Brown cattle breed |
| SRT | L-8BA03 | Frijolillo cattle breed |
| SRT | L-8BA04 | FRS cattle breed |
| SRT | L-8BA05 | Gacko cattle breed |
| SRT | L-8BA06 | Gado da Terra cattle breed |
| SRT | L-8BA07 | Georgian Mountain cattle breed |
| SRT | L-8BA08 | German Black Pied cattle breed |
| SRT | L-8BA09 | German Black Pied Dairy cattle breed |
| SRT | L-8BA0A | Pechora cattle breed |
| SRT | L-8BA0B | Pee Wee cattle breed |
| SRT | L-8BA0C | Peloponnesus cattle breed |
| SRT | L-8BA0D | Pester cattle breed |
| SRT | L-8BA0E | Pie Rouge de l'Est cattle breed |
| SRT | L-8BA0F | Pisana cattle breed |
| SRT | L-8BA10 | German Brown cattle breed |
| SRT | L-8BA11 | German Shorthorn cattle breed |
| SRT | L-8BA12 | Ghana Shorthorn cattle breed |
| SRT | L-8BA13 | Glan-Donnersberg cattle breed |
| SRT | L-8BA14 | Gole cattle breed |
| SRT | L-8BA15 | Golpayegani cattle breed |
| SRT | L-8BA16 | Gorbatov Red cattle breed |
| SRT | L-8BA17 | Goryn cattle breed |
| SRT | L-8BA19 | Greater Caucasus cattle breed |
| SRT | L-8BA1A | Polish Black and White Lowland cattle breed |
| SRT | L-8BA1B | Polish Simmental cattle breed |
| SRT | L-8BA1C | Polled Jersey cattle breed |
| SRT | L-8BA1D | Polled Lincoln Red cattle breed |
| SRT | L-8BA1E | Polled Shorthorn (US) cattle breed |
| SRT | L-8BA1F | Polled Simmental cattle breed |
| SRT | L-8BA20 | Greek Shorthorn cattle breed |
| SRT | L-8BA21 | Greek Steppe cattle breed |
| SRT | L-8BA22 | Gray Alpine cattle breed |
| SRT | L-8BA23 | Guadiana Spotted cattle breed |
| SRT | L-8BA24 | Guelma cattle breed |
| SRT | L-8BA25 | Harz Red cattle breed |
| SRT | L-8BA26 | Hawaiian wild cattle breed |
| SRT | L-8BA27 | Hereland cattle breed |
| SRT | L-8BA28 | Holgus cattle breed |
| SRT | L-8BA29 | Hrbinecky cattle breed |
| SRT | L-8BA2A | Polled Sussex cattle breed |



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|---|---|---|
| SRT | L-8BA2B | Polled Welsh Black cattle breed |
| SRT | L-8BA2C | Pontremolese cattle breed |
| SRT | L-8BA2D | Preta cattle breed |
| SRT | L-8BA2E | Puerto Rican Criollo cattle breed |
| SRT | L-8BA2F | Pyrenean cattle breed |
| SRT | L-8BA30 | Huertana cattle breed |
| SRT | L-8BA31 | Hungarian Pied cattle breed |
| SRT | L-8BA32 | Hungarofries cattle breed |
| SRT | L-8BA33 | Improved Rodopi cattle breed |
| SRT | L-8BA34 | INRA 95 cattle breed |
| SRT | L-8BA35 | Italian Brown cattle breed |
| SRT | L-8BA36 | Italian Red Pied cattle breed |
| SRT | L-8BA37 | Japanese Black cattle breed |
| SRT | L-8BA38 | Japanese Brown cattle breed |
| SRT | L-8BA39 | Japanese Poll cattle breed |
| SRT | L-8BA3A | Qinchuan cattle breed |
| SRT | L-8BA3B | Ramo Grande cattle breed |
| SRT | L-8BA3C | Randall Lineback cattle breed |
| SRT | L-8BA3D | Red Galloway cattle breed |
| SRT | L-8BA3E | Regus cattle breed |
| SRT | L-8BA3F | Rendena cattle breed |
| SRT | L-8BA40 | Japanese Shorthorn cattle breed |
| SRT | L-8BA41 | Jarmelista cattle breed |
| SRT | L-8BA42 | Kabyle cattle breed |
| SRT | L-8BA43 | Kapsiki cattle breed |
| SRT | L-8BA44 | Katerini cattle breed |
| SRT | L-8BA45 | Kenran cattle breed |
| SRT | L-8BA46 | Khevsurian cattle breed |
| SRT | L-8BA47 | Kilis cattle breed |
| SRT | L-8BA48 | Kochi cattle breed |
| SRT | L-8BA49 | Korean Native cattle breed |
| SRT | L-8BA4A | Rhaetian Gray cattle breed |
| SRT | L-8BA4B | Rio Limon Dairy Criollo cattle breed |
| SRT | L-8BA4C | Rodopi cattle breed |
| SRT | L-8BA4D | Romanian Red cattle breed |
| SRT | L-8BA4E | Romanian Brown cattle breed |
| SRT | L-8BA4F | Russian Brown cattle breed |
| SRT | L-8BA50 | Kostroma cattle breed |
| SRT | L-8BA51 | Kravarsky cattle breed |
| SRT | L-8BA52 | Kuchinoshima cattle breed |
| SRT | L-8BA53 | Murray Gray cattle breed |



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|---|---|---|
| SRT | L-8BA54 | Australian Shorthorn cattle breed |
| SRT | L-8BA55 | Kumamoto cattle breed |
| SRT | L-8BA56 | Lagune cattle breed |
| SRT | L-8BA57 | Lakenvelder cattle breed |
| SRT | L-8BA58 | Latvian Blue Roan cattle breed |
| SRT | L-8BA59 | La Velasquez cattle breed |
| SRT | L-8BA5A | Sardinian cattle breed |
| SRT | L-8BA5B | Sardinian brown cattle breed |
| SRT | L-8BA5C | Savinja Gray cattle breed |
| SRT | L-8BA5D | Sayaguesa cattle breed |
| SRT | L-8BA5E | Seferihisar cattle breed |
| SRT | L-8BA5F | Shkodra Red cattle breed |
| SRT | L-8BA60 | Lebanese cattle breed |
| SRT | L-8BA61 | Lebedin cattle breed |
| SRT | L-8BA62 | Lesser Caucasus cattle breed |
| SRT | L-8BA63 | Liberian Dwarf cattle breed |
| SRT | L-8BA64 | Libyan cattle breed |
| SRT | L-8BA65 | Lim cattle breed |
| SRT | L-8BA66 | Limiana cattle breed |
| SRT | L-8BA67 | Limpurger cattle breed |
| SRT | L-8BA68 | Lobi cattle breed |
| SRT | L-8BA69 | Lourdais cattle breed |
| SRT | L-8BA6A | Slovakian Pied cattle breed |
| SRT | L-8BA6B | Slovakian Pinzgau cattle breed |
| SRT | L-8BA6C | Slovenian Brown cattle breed |
| SRT | L-8BA6D | Somba cattle breed |
| SRT | L-8BA6E | South African Brown Swiss cattle breed |
| SRT | L-8BA6F | South Anatolian Red cattle breed |
| SRT | L-8BA70 | Lucerna cattle breed |
| SRT | L-8BA71 | Luxi cattle breed |
| SRT | L-8BA72 | Macedonian Busa cattle breed |
| SRT | L-8BA73 | Makaweli cattle breed |
| SRT | L-8BA74 | Marinhoa cattle breed |
| SRT | L-8BA75 | Maronesa cattle breed |
| SRT | L-8BA76 | Mazury cattle breed |
| SRT | L-8BA77 | Messaoria cattle breed |
| SRT | L-8BA78 | Metohija Red cattle breed |
| SRT | L-8BA79 | Mingrelian Red cattle breed |
| SRT | L-8BA7A | Southern Ukranian cattle breed |
| SRT | L-8BA7B | Spanish Brown Alpine cattle breed |
| SRT | L-8BA7C | Suksun cattle breed |



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| SRT | L-8BA7D | Swiss Black Pied cattle breed |
| SRT | L-8BA7E | Sychevka cattle breed |
| SRT | L-8BA7F | Sykia cattle breed |
| SRT | L-8BA80 | Minhota cattle breed |
| SRT | L-8BA81 | Minorcan cattle breed |
| SRT | L-8BA82 | Mishima cattle breed |
| SRT | L-8BA83 | Modenese cattle breed |
| SRT | L-8BA84 | Monchina cattle breed |
| SRT | L-8BA85 | Montafon cattle breed |
| SRT | L-8BA86 | Montbeliard cattle breed |
| SRT | L-8BA87 | Morenas del Noroeste cattle breed |
| SRT | L-8BA88 | Murcian cattle breed |
| SRT | L-8BA89 | Murnau-Werdenfels cattle breed |
| SRT | L-8BA8A | Tagil cattle breed |
| SRT | L-8BA8B | Tajma cattle breed |
| SRT | L-8BA8C | Tambov Red cattle breed |
| SRT | L-8BA8D | Tarina cattle breed |
| SRT | L-8BA8E | Thessaly cattle breed |
| SRT | L-8BA8F | Tinima cattle breed |
| SRT | L-8BA90 | Nantais cattle breed |
| SRT | L-8BA91 | Nejdi cattle breed |
| SRT | L-8BA92 | N'Gabou cattle breed |
| SRT | L-8BA93 | North Finncattle cattle breed |
| SRT | L-8BA94 | Oropa cattle breed |
| SRT | L-8BA95 | Oulmes Blond cattle breed |
| SRT | L-8BA96 | Pajuna cattle breed |
| SRT | L-8BA97 | Palmera cattle breed |
| SRT | L-8BA98 | Pankota Red cattle breed |
| SRT | L-8BA99 | Paphos cattle breed |
| SRT | L-8BA9A | Tinos cattle breed |
| SRT | L-8BA9B | Transylvanian Pinzgua cattle breed |
| SRT | L-8BA9C | Tropical Dairy Cattle cattle breed |
| SRT | L-8BA9D | Tropicana cattle breed |
| SRT | L-8BA9E | Tudanca cattle breed |
| SRT | L-8BA9F | Turino cattle breed |
| SRT | L-8BAA0 | Turkish Brown cattle breed |
| SRT | L-8BAA1 | Tux-Zillertal cattle breed |
| SRT | L-8BAA2 | Tyrol Gray cattle breed |
| SRT | L-8BAA3 | Abondance cattle breed |
| SRT | L-8BAA4 | Ala-Tau cattle breed |
| SRT | L-8BAA5 | Albanian Illyrian cattle breed |



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| SRT | L-8BAA6 | Albanian Dwarf cattle breed |
| SRT | L-8BAA7 | Ukrainian Whiteheaded cattle breed |
| SRT | L-8BAA8 | Ural Black Pied cattle breed |
| SRT | L-8BAA9 | Valdres cattle breed |
| SRT | L-8BAAA | Vaynol cattle breed |
| SRT | L-8BAAB | Verinesa cattle breed |
| SRT | L-8BAAC | Vianesa cattle breed |
| SRT | L-8BAAD | Villard-de-Lans cattle breed |
| SRT | L-8BAAE | Vogelsberg cattle breed |
| SRT | L-8BAAF | Pie Rouge des Plaines cattle breed |
| SRT | L-8BAB0 | Vorderwald cattle breed |
| SRT | L-8BAB1 | West African Dwarf Shorthorn cattle breed |
| SRT | L-8BAB2 | West Finnish cattle breed |
| SRT | L-8BAB3 | West Macedonian cattle breed |
| SRT | L-8BAB4 | Whitebred Shorthorn cattle breed |
| SRT | L-8BAB5 | White Galloway cattle breed |
| SRT | L-8BAB6 | White Welsh cattle breed |
| SRT | L-8BAB7 | Witrik cattle breed |
| SRT | L-8BAB8 | Yacumento cattle breed |
| SRT | L-8BAB9 | Yaroslavl cattle breed |
| SRT | L-8BABA | Yurino cattle breed |
| SRT | L-8BABB | Aleppo cattle breed |
| SRT | L-8BABC | Schwyz cattle breed |
| SRT | L-8BABD | Busa cattle breed |
| SRT | L-8BABE | Chiangus cattle breed |
| SRT | L-8BABF | Hallingdal cattle breed |
| SRT | L-8BAC0 | Danish Jersey cattle breed |
| SRT | L-8BAC1 | Enderby Island cattle breed |
| SRT | L-8BAC2 | German Angus cattle breed |
| SRT | L-8BAC3 | Israeli Red cattle breed |
| SRT | L-8BAC4 | Lineback cattle breed |
| SRT | L-8BAC5 | Mertolenga cattle breed |
| SRT | L-8BAC6 | Red Friesian cattle breed |
| SRT | L-8BAC7 | Senegus cattle breed |
| SRT | L-8BAC8 | Southern Crioulo cattle breed |
| SRT | L-8BAC9 | Vosges cattle breed |
| SRT | L-8BACA | Montanara cattle breed |
| SRT | L-8BACB | Almanzorena cattle breed |
| SRT | L-8BACC | Lorquina cattle breed |
| SRT | L-8BACD | Calasparrena cattle breed |
| SRT | L-8BACE | Amrit Mahal zebu cattle breed |



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|---|---|---|
| SRT | L-8BACF | Bachaur cattle breed |
| SRT | L-8BAD0 | Barka zebu cattle breed |
| SRT | L-8BAD1 | Bengali cattle breed |
| SRT | L-8BAD2 | Bhagnari cattle breed |
| SRT | L-8BAD3 | Boran cattle breed |
| SRT | L-8BAD4 | Channi cattle breed |
| SRT | L-8BAD5 | Cholistani cattle breed |
| SRT | L-8BAD6 | Dajal cattle breed |
| SRT | L-8BAD7 | Dangi cattle breed |
| SRT | L-8BAD8 | Deoni cattle breed |
| SRT | L-8BAD9 | Dhanni cattle breed |
| SRT | L-8BADA | Gaolao cattle breed |
| SRT | L-8BADB | Hallikar cattle breed |
| SRT | L-8BADC | Hariana cattle breed |
| SRT | L-8BADD | Indo-Brazilian cattle breed |
| SRT | L-8BADE | Kangayam cattle breed |
| SRT | L-8BADF | Kankrej cattle breed |
| SRT | L-8BAE0 | Kenkatha cattle breed |
| SRT | L-8BAE1 | Kherigarh cattle breed |
| SRT | L-8BAE2 | Khillari cattle breed |
| SRT | L-8BAE3 | Krishna Valley cattle breed |
| SRT | L-8BAE4 | Lohani cattle breed |
| SRT | L-8BAE5 | Malvi cattle breed |
| SRT | L-8BAE6 | Mewati cattle breed |
| SRT | L-8BAE7 | Nagori cattle breed |
| SRT | L-8BAE9 | Nelore cattle breed |
| SRT | L-8BAEA | Nimari cattle breed |
| SRT | L-8BAEB | Ponwar cattle breed |
| SRT | L-8BAEC | Rath cattle breed |
| SRT | L-8BAED | Rathi cattle breed |
| SRT | L-8BAEE | Red Sindhi cattle breed |
| SRT | L-8BAEF | Rojhan cattle breed |
| SRT | L-8BAF0 | Sahiwal cattle breed |
| SRT | L-8BAF1 | Siri zebu cattle breed |
| SRT | L-8BAF2 | Tharparkar cattle breed |
| SRT | L-8BAF3 | Zanzibar Zebu cattle breed |
| SRT | L-8BAF4 | Arsi cattle breed |
| SRT | L-8BAF5 | Atpadi Mahal cattle breed |
| SRT | L-8BAF6 | Azaouak cattle breed |
| SRT | L-8BAF7 | Azerbaijan Zebu cattle breed |
| SRT | L-8BAF8 | Baggara cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BAF9 | Bambawa cattle breed |
| SRT | L-8BAFA | Bami cattle breed |
| SRT | L-8BAFB | Banyo cattle breed |
| SRT | L-8BAFC | Bargur cattle breed |
| SRT | L-8BAFD | Bari cattle breed |
| SRT | L-8BAFE | Bimal cattle breed |
| SRT | L-8BAFF | Borneo Zebu cattle breed |
| SRT | L-8BB00 | Butana cattle breed |
| SRT | L-8BB01 | Chittagong Red cattle breed |
| SRT | L-8BB02 | Cutchi cattle breed |
| SRT | L-8BB03 | Dairy Zebu of Uberaba cattle breed |
| SRT | L-8BB04 | Dashtiari cattle breed |
| SRT | L-8BB05 | Diali cattle breed |
| SRT | L-8BB06 | Didinga cattle breed |
| SRT | L-8BB07 | Dongola cattle breed |
| SRT | L-8BB09 | Fellata cattle breed |
| SRT | L-8BB0A | Turkmen zebu cattle breed |
| SRT | L-8BB0B | Abyssinian Highland Zebu cattle breed |
| SRT | L-8BB0C | Abyssinian Shorthorned Zebu cattle breed |
| SRT | L-8BB0E | Aceh cattle breed |
| SRT | L-8BB0F | Achham cattle breed |
| SRT | L-8BB10 | Garre cattle breed |
| SRT | L-8BB11 | Gasara cattle breed |
| SRT | L-8BB12 | Gobra cattle breed |
| SRT | L-8BB13 | Goomsur cattle breed |
| SRT | L-8BB14 | Gujamavu cattle breed |
| SRT | L-8BB15 | Leiqiong cattle breed |
| SRT | L-8BB16 | Hissar cattle breed |
| SRT | L-8BB17 | Ingessana cattle breed |
| SRT | L-8BB18 | Jamaica Brahman cattle breed |
| SRT | L-8BB19 | Jellicut cattle breed |
| SRT | L-8BB1A | Adamawa cattle breed |
| SRT | L-8BB1B | Aden Zebu cattle breed |
| SRT | L-8BB1C | Afghan cattle breed |
| SRT | L-8BB1D | Alambadi cattle breed |
| SRT | L-8BB1E | Umblachery cattle breed |
| SRT | L-8BB1F | Venezuelan Zebu cattle breed |
| SRT | L-8BB20 | Pantaneiro cattle breed |
| SRT | L-8BB21 | Jenubi cattle breed |
| SRT | L-8BB22 | Jiddu cattle breed |
| SRT | L-8BB23 | Jijjiga Zebu cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BB24 | Kabota cattle breed |
| SRT | L-8BB25 | Kachcha Siri cattle breed |
| SRT | L-8BB26 | Kalakheri cattle breed |
| SRT | L-8BB27 | Kamdhino cattle breed |
| SRT | L-8BB28 | Kandahari cattle breed |
| SRT | L-8BB29 | Kaningan cattle breed |
| SRT | L-8BB2A | Wakwa cattle breed |
| SRT | L-8BB2B | White Fulani cattle breed |
| SRT | L-8BB2C | Yemeni Zebu cattle breed |
| SRT | L-8BB2D | Iranian Zebu cattle breed |
| SRT | L-8BB2E | Khorsan cattle breed |
| SRT | L-8BB2F | Polled Gir cattle breed |
| SRT | L-8BB30 | Kappiliyan cattle breed |
| SRT | L-8BB31 | Karamajong cattle breed |
| SRT | L-8BB32 | Kenana cattle breed |
| SRT | L-8BB33 | Kenya Boran cattle breed |
| SRT | L-8BB34 | Kenya Zebu cattle breed |
| SRT | L-8BB35 | Khamala cattle breed |
| SRT | L-8BB36 | Khurasani zebu cattle breed |
| SRT | L-8BB37 | Kilara cattle breed |
| SRT | L-8BB38 | Kinniya cattle breed |
| SRT | L-8BB39 | Konari cattle breed |
| SRT | L-8BB3A | Guzerat cattle breed |
| SRT | L-8BB3B | Tadzhik zebu cattle breed |
| SRT | L-8BB3C | Deogir cattle breed |
| SRT | L-8BB3D | Gayal cattle breed |
| SRT | L-8BB3E | American bison X cattle breed |
| SRT | L-8BB3F | Australian Braford X zebu cattle breed |
| SRT | L-8BB40 | Krishnagari cattle breed |
| SRT | L-8BB41 | Kumauni cattle breed |
| SRT | L-8BB42 | Ladakhi cattle breed |
| SRT | L-8BB43 | Latuka cattle breed |
| SRT | L-8BB44 | Lugware cattle breed |
| SRT | L-8BB45 | Madagascar Zebu cattle breed |
| SRT | L-8BB46 | Madaripur cattle breed |
| SRT | L-8BB47 | Magal cattle breed |
| SRT | L-8BB48 | Malawi Zebu cattle breed |
| SRT | L-8BB49 | Malnad Gidda cattle breed |
| SRT | L-8BB4A | Australian Friesian Sahiwal X zebu cattle breed |
| SRT | L-8BB4B | Braford X zebu cattle breed |
| SRT | L-8BB4C | Brahmousin X zebu cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BB4D | Canchim X zebu cattle breed |
| SRT | L-8BB4E | Charbray X zebu cattle breed |
| SRT | L-8BB4F | Droughtmaster X zebu cattle breed |
| SRT | L-8BB50 | Mampati cattle breed |
| SRT | L-8BB51 | Manapari cattle breed |
| SRT | L-8BB52 | Maure cattle breed |
| SRT | L-8BB53 | Mazandarani cattle breed |
| SRT | L-8BB54 | Merauke cattle breed |
| SRT | L-8BB55 | Mere cattle breed |
| SRT | L-8BB56 | Mhaswad cattle breed |
| SRT | L-8BB57 | Miniature Zebu cattle breed |
| SRT | L-8BB58 | Mongalla cattle breed |
| SRT | L-8BB59 | Morang cattle breed |
| SRT | L-8BB5A | Gelbray X zebu cattle breed |
| SRT | L-8BB5B | Jamaica Black X zebu cattle breed |
| SRT | L-8BB5C | Jamaica Hope X zebu cattle breed |
| SRT | L-8BB5D | Jamaica Red X zebu cattle breed |
| SRT | L-8BB5E | Karan Fries X zebu cattle breed |
| SRT | L-8BB5F | Karan Swiss X zebu cattle breed |
| SRT | L-8BB60 | Mozambique Angoni cattle breed |
| SRT | L-8BB61 | Mpwapwa cattle breed |
| SRT | L-8BB62 | Murle cattle breed |
| SRT | L-8BB63 | Nakali cattle breed |
| SRT | L-8BB64 | Nepalese Hill Zebu cattle breed |
| SRT | L-8BB65 | N'Gaoundere cattle breed |
| SRT | L-8BB66 | Nkedi cattle breed |
| SRT | L-8BB67 | North Bangladesh Gray cattle breed |
| SRT | L-8BB68 | North Somali Zebu cattle breed |
| SRT | L-8BB69 | Polled Guzerat cattle breed |
| SRT | L-8BB6A | Mandalong X zebu cattle breed |
| SRT | L-8BB6B | Australian Milking Zebu X zebu cattle breed |
| SRT | L-8BB6C | Red Brangus X zebu cattle breed |
| SRT | L-8BB6D | Santa Cruz X zebu cattle breed |
| SRT | L-8BB6E | Siboney X zebu cattle breed |
| SRT | L-8BB6F | Bambara X zebu cattle breed |
| SRT | L-8BB70 | Polled Nelore cattle breed |
| SRT | L-8BB71 | Prewakwa cattle breed |
| SRT | L-8BB72 | Pul-M'bor cattle breed |
| SRT | L-8BB73 | Punganur cattle breed |
| SRT | L-8BB74 | Ramgarhi cattle breed |
| SRT | L-8BB75 | Red Bororo cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BB76 | Red Desert cattle breed |
| SRT | L-8BB77 | Red Kandhari cattle breed |
| SRT | L-8BB78 | Shakhansurri cattle breed |
| SRT | L-8BB79 | Sheko cattle breed |
| SRT | L-8BB7A | Bambey X zebu cattle breed |
| SRT | L-8BB7B | Batanes Black X zebu cattle breed |
| SRT | L-8BB7C | Borgou X zebu cattle breed |
| SRT | L-8BB7D | Brahorn X zebu cattle breed |
| SRT | L-8BB7E | Bralers X zebu cattle breed |
| SRT | L-8BB7F | Bra-Maine X zebu cattle breed |
| SRT | L-8BB80 | Shendi cattle breed |
| SRT | L-8BB81 | Shuwa cattle breed |
| SRT | L-8BB82 | Sinhala cattle breed |
| SRT | L-8BB83 | Sistani cattle breed |
| SRT | L-8BB84 | Small East African Zebu cattle breed |
| SRT | L-8BB85 | Sokoto Gudali cattle breed |
| SRT | L-8BB86 | Somali cattle breed |
| SRT | L-8BB87 | Sonkheri cattle breed |
| SRT | L-8BB88 | Son Valley cattle breed |
| SRT | L-8BB89 | South China Zebu cattle breed |
| SRT | L-8BB8A | Bra-Swiss X zebu cattle breed |
| SRT | L-8BB8B | Bravon X zebu cattle breed |
| SRT | L-8BB8C | Brazilian Dairy Hybrid X zebu cattle breed |
| SRT | L-8BB8D | Burmese X zebu cattle breed |
| SRT | L-8BB8E | Bushuev X zebu cattle breed |
| SRT | L-8BB8F | Caiua X zebu cattle breed |
| SRT | L-8BB90 | South Malawi Zebu cattle breed |
| SRT | L-8BB91 | Sudanese Fulani cattle breed |
| SRT | L-8BB92 | Tabapua cattle breed |
| SRT | L-8BB93 | Tamankaduwa cattle breed |
| SRT | L-8BB94 | Tanzanian Zebu cattle breed |
| SRT | L-8BB95 | Tarai cattle breed |
| SRT | L-8BB96 | Thillari cattle breed |
| SRT | L-8BB97 | Toposa cattle breed |
| SRT | L-8BB98 | Toronke cattle breed |
| SRT | L-8BB99 | Toupouri cattle breed |
| SRT | L-8BB9A | Carazebu X zebu cattle breed |
| SRT | L-8BB9B | Central Asian Zebu X zebu cattle breed |
| SRT | L-8BB9C | Charford X zebu cattle breed |
| SRT | L-8BB9D | Cuban Criollo X zebu cattle breed |
| SRT | L-8BB9E | Cuban Zebu X zebu cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BB9F | Dishty X zebu cattle breed |
| SRT | L-8BC00 | Djakore X zebu cattle breed |
| SRT | L-8BC01 | Gambian N'Dama X zebu cattle breed |
| SRT | L-8BC03 | Ghana Sanga X zebu cattle breed |
| SRT | L-8BC04 | Girolando X zebu cattle breed |
| SRT | L-8BC05 | Guzerando X zebu cattle breed |
| SRT | L-8BC06 | Hatton X zebu cattle breed |
| SRT | L-8BC07 | Ibage X zebu cattle breed |
| SRT | L-8BC08 | Iraqi X zebu cattle breed |
| SRT | L-8BC09 | Jerdi X zebu cattle breed |
| SRT | L-8BC10 | Jersind X zebu cattle breed |
| SRT | L-8BC11 | Jotko X zebu cattle breed |
| SRT | L-8BC12 | Kanem X zebu cattle breed |
| SRT | L-8BC13 | Keteku X zebu cattle breed |
| SRT | L-8BC14 | Lavinia X zebu cattle breed |
| SRT | L-8BC15 | Local Indian Dairy X zebu cattle breed |
| SRT | L-8BC16 | Mantiqueira X zebu cattle breed |
| SRT | L-8BC17 | Ndagu X zebu cattle breed |
| SRT | L-8BC18 | Normanzu X zebu cattle breed |
| SRT | L-8BC19 | Nuba Mountain X zebu cattle breed |
| SRT | L-8BC20 | Pabna X zebu cattle breed |
| SRT | L-8BC21 | Mixed Perijanero X zebu cattle breed |
| SRT | L-8BC22 | Pitangueiras X zebu cattle breed |
| SRT | L-8BC23 | Quasah X zebu cattle breed |
| SRT | L-8BC24 | Rana X zebu cattle breed |
| SRT | L-8BC25 | Ranger X zebu cattle breed |
| SRT | L-8BC26 | Renitelo X zebu cattle breed |
| SRT | L-8BC27 | Riopardenze X zebu cattle breed |
| SRT | L-8BC28 | Rustaqi X zebu cattle breed |
| SRT | L-8BC29 | Sabre X zebu cattle breed |
| SRT | L-8BC30 | Sahford X zebu cattle breed |
| SRT | L-8BC31 | Schwyz-Zeboid X zebu cattle breed |
| SRT | L-8BC32 | Suia X zebu cattle breed |
| SRT | L-8BC33 | Suisbu X zebu cattle breed |
| SRT | L-8BC34 | Sunandini X zebu cattle breed |
| SRT | L-8BC35 | Taino X zebu cattle breed |
| SRT | L-8BC36 | Thibar X zebu cattle breed |
| SRT | L-8BC37 | Toubou X zebu cattle breed |
| SRT | L-8BC38 | Tropical X zebu cattle breed |
| SRT | L-8BC39 | TSSH-1 X zebu cattle breed |
| SRT | L-8BC40 | Victoria X zebu cattle breed |



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| | | |
|---|---|---|
| SRT | L-8BC41 | Wokalup X zebu cattle breed |
| SRT | L-8BC42 | Madura wild javan X zebu cattle breed |
| SRT | L-8BC43 | Beefalo bison X cattle breed |
| SRT | L-8BC44 | Beefalo bison X cattle breed |
| SRT | L-80A40 | Rex cat breed |
| SRT | L-80770 | Dachshund superbreed of dog |
| SRT | L-80320 | Dorset sheep superbreed |
| SRT | L-80A42 | Devon rex cat breed |
| SRT | L-80A41 | Cornish rex cat breed |
| SRT | L-80A45 | Oregon rex cat breed |

**CID 7481 Breed Registry**

**Context ID 7481**
**Breed Registry**

**Type: Extensible Version: 20060822**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 109200 | America Kennel Club |
| DCM | 109201 | America's Pet Registry Inc. |
| DCM | 109202 | American Canine Association |
| DCM | 109203 | American Purebred Registry |
| DCM | 109204 | American Rare Breed Association |
| DCM | 109205 | Animal Registry Unlimited |
| DCM | 109206 | Animal Research Foundation |
| DCM | 109207 | Canadian Border Collie Association |
| DCM | 109208 | Canadian Kennel Club |
| DCM | 109209 | Canadian Livestock Records Association |
| DCM | 109210 | Canine Federation of Canada |
| DCM | 109211 | Continental Kennel Club |
| DCM | 109212 | Dog Registry of America |
| DCM | 109213 | Federation of International Canines |
| DCM | 109214 | International Progressive Dog Breeders' Alliance |
| DCM | 109215 | National Kennel Club |
| DCM | 109216 | North American Purebred Dog Registry |
| DCM | 109217 | United All Breed Registry |
| DCM | 109218 | United Kennel Club |
| DCM | 109219 | Universal Kennel Club International |
| DCM | 109220 | Working Canine Association of Canada |
| DCM | 109221 | World Kennel Club |
| DCM | 109222 | World Wide Kennel Club |



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Note: The contents of this table were derived from the information available at "http://www.canadasguidetodogs.com/breedregistries.htm".

**CID 9231 General Purpose Workitem Definition**

**Context ID 9231**
**General Purpose Workitem Definition**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 110001 | Image Processing |
| DCM | 110002 | Quality Control |
| DCM | 110003 | Computer Aided Diagnosis |
| DCM | 110004 | Computer Aided Detection |
| DCM | 110005 | Interpretation |
| DCM | 110006 | Transcription |
| DCM | 110007 | Report Verification |
| DCM | 110008 | Print |
| DCM | 110009 | No subsequent Workitems |
| DCM | 110013 | Media Import |

**CID 9232 Non-DICOM Output Types**

**Context ID 9232**
**Non-DICOM Output Types**
**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 110010 | Film |
| DCM | 110011 | Dictation |
| DCM | 110012 | Transcription |

**CID 9300 Procedure Discontinuation Reasons**

**Context ID 9300**
**Procedure Discontinuation Reasons**
**Type: Extensible Version: 20061024**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 110500 | Doctor cancelled procedure |
| DCM | 110501 | Equipment failure |
| DCM | 110502 | Incorrect procedure ordered |
| DCM | 110503 | Patient allergic to media/contrast |



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| | | |
|---|---|---|
| DCM | 110504 | Patient died |
| DCM | 110505 | Patient refused to continue procedure |
| DCM | 110506 | Patient taken for treatment or surgery |
| DCM | 110507 | Patient did not arrive |
| DCM | 110508 | Patient pregnant |
| DCM | 110509 | Change of procedure for correct charging |
| DCM | 110510 | Duplicate order |
| DCM | 110511 | Nursing unit cancel |
| DCM | 110512 | Incorrect side ordered |
| DCM | 110513 | Discontinued for unspecified reason |
| DCM | 110514 | Incorrect worklist entry selected |
| DCM | 110515 | Patient condition prevented continuing |
| DCM | 110516 | Equipment change |
| DCM | 110521 | Objects incorrectly formatted |
| DCM | 110522 | Object Types not supported |
| DCM | 110523 | Object Set incomplete |
| DCM | 110524 | Media Failure |

**CID 10000 Scope of Accumulation**

**Context ID 10000**
**Scope of Accumulation**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113014 | Study |
| DCM | 113015 | Series |
| DCM | 113016 | Performed Procedure Step |

**CID 10001 UID Types**

**Context ID 10001**
**UID Types**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 110180 | Study Instance UID |
| DCM | 112002 | Series Instance UID |
| DCM | 121126 | Performed Procedure Step SOP Instance UID |



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**CID 10002 Irradiation Event Types**

**Context ID 10002**
**Irradiation Event Types**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | P5-06000 | Fluoroscopy |
| DCM | 113611 | Stationary Acquisition |
| DCM | 113612 | Stepping Acquisition |
| DCM | 113613 | Rotational Acquisition |

**CID 10003 Equipment Plane Identification**

**Context ID 10003**
**Equipment Plane Identification**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113620 | Plane A |
| DCM | 113621 | Plane B |
| DCM | 113622 | Single Plane |

**CID 10004 Fluoro Modes**

**Context ID 10004**
**Fluoro Modes**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113630 | Continuous |
| DCM | 113631 | Pulsed |



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**CID 10006 X-Ray Filter Materials**

**Context ID 10006**
**X-Ray Filter Materials**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | C-150F9 | Molybdenum or Molybdenum compound |
| SRT | C-120F9 | Aluminum or Aluminum compound |
| SRT | C-127F9 | Copper or Copper compound |
| SRT | C-167F9 | Rhodium or Rhodium compound |
| DCM | 113710 | Niobium or Niobium compound |
| DCM | 113711 | Europium or Europium compound |
| SRT | C-132F9 | Lead or Lead compound |
| SRT | C-156F9 | Tantalum or Tantalum compound |

**CID 10007 X-Ray Filter Types**

**Context ID 10007**
**X-Ray Filter Types**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113650 | Strip filter |
| DCM | 113651 | Wedge filter |
| DCM | 113652 | Butterfly filter |
| DCM | 111609 | No Filter |

**CID 10008 Dose Related Distance Measurements**

**Context ID 10008**
**Dose Related Distance Measurements**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 113748 | Distance Source to Isocenter |
| DCM | 113737 | Distance Source to Reference Point |
| DCM | 113750 | Distance Source to Detector |
| DCM | 113751 | Table Longitudinal Position |
| DCM | 113752 | Table Lateral Position |



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| | | |
|---|---|---|
| DCM | 113753 | Table Height Position |
| DCM | 113792 | Distance Source to Table Plane |

**CID 10009 Measured/Calculated**

**Context ID 10009**
**Measured/Calculated**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-41D41 | Measured |
| SRT | R-41D2D | Calculated |
| SRT | R-10260 | Estimated |

**CID 10010 Dose Measurement Devices**

**Context ID 10010**
**Dose Measurement Devices**

**Type: Extensible Version: 20051101**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | A-2C090 | Dosimeter |

**CID 12001 Ultrasound Protocol Types**

**Context ID 12001**
**Ultrasound Protocol Types**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | P5-B3002 | Transesophageal echocardiography |
| SNM3 | P5-B3003 | Transthoracic echocardiography |
| SNM3 | P5-B3004 | Epicardial echocardiography |
| SNM3 | P5-B3005 | Intravascular echocardiography |
| SNM3 | P5-B3006 | Intracardiac echocardiography |
| SNM3 | P5-B301F | Limited M-mode only echocardiography |
| SNM3 | P5-B303F | Limited Doppler only echocardiography |
| SNM3 | P5-B3050 | Exercise stress echocardiography |
| SNM3 | P5-B3051 | Maximal stress echocardiography |
| SNM3 | P5-B3052 | Submaximal stress echocardiography |
| SNM3 | P5-B3053 | Treadmill exercise stress echocardiography |



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| | | |
|---|---|---|
| SNM3 | P5-B3054 | Bruce treadmill stress echocardiography |
| SNM3 | P5-B3055 | Modified Bruce treadmill stress echocardiography |
| SNM3 | P5-B3056 | Naughton treadmill stress echocardiography |
| SNM3 | P5-B3058 | Bicycle exercise stress echocardiography |
| SNM3 | P5-B3060 | Echocardiography with administered drug stress |
| SNM3 | P5-B3061 | Dobutamine stress echocardiography |
| SNM3 | P5-B3062 | High dose dobutamine stress echocardiography |
| SNM3 | P5-B3063 | Low dose dobutamine stress echocardiography |
| SNM3 | P5-B3065 | Arbutamine stress echocardiography |
| SNM3 | P5-B3066 | Dipyridamole stress echocardiography |
| SNM3 | P5-B3070 | Cardiac pacing echocardiography |
| SNM3 | P5-B3081 | Adult echocardiography |
| SNM3 | P5-B3082 | Pediatric echocardiography |
| SNM3 | P5-B3083 | Intraoperative echocardiography |
| SNM3 | P5-B3084 | Upright echocardiography |
| SNM3 | P5-B3085 | Supine echocardiography |
| SNM3 | P5-B3090 | Contrast echocardiography |
| SNM3 | P5-B3091 | Contrast left ventricular opacification echocardiography |
| SNM3 | P5-B3092 | Contrast perfusion echocardiography |
| SNM3 | P5-B3093 | Contrast Doppler enhancement echocardiography |
| SNM3 | P5-B3191 | 2D complete echocardiography |
| SNM3 | P5-B3192 | Limited 2D only echocardiography |
| SNM3 | P5-B8215 | Fetal echocardiography |

**CID 12002 Ultrasound Protocol Stage Types**

**Context ID 12002**
**Ultrasound Protocol Stage Types**

**Type: Extensible Version: 20020904**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | P5-01000 | Image acquisition procedure |
| SNM3 | P5-01101 | Image acquisition after administration of contrast agent |
| SNM3 | P5-01103 | Image acquisition during cardiac pacing |
| SNM3 | P5-01104 | Image acquisition at user-defined cardiac pacing rate |
| SNM3 | P5-01111 | Image acquisition during hand grip maneuver |
| SNM3 | P5-01112 | Image acquisition during Valsalva |
| SNM3 | P5-01113 | Image acquisition during postural maneuver |
| SNM3 | P5-01120 | Pre-procedure image acquisition |
| SNM3 | P5-01121 | Preoperative image acquisition |



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| | | |
|---|---|---|
| SNM3 | P5-01130 | Intra-procedure image acquisition |
| SNM3 | P5-01131 | Intra-operative image acquisition |
| SNM3 | P5-01140 | Post-procedure image acquisition |
| SNM3 | P5-01141 | Post-operative image acquisition |
| SNM3 | P5-01142 | Image acquisition following first cardiopulmonary bypass |
| SNM3 | P5-01143 | Image acquisition following second cardiopulmonary bypass |
| SNM3 | P5-01144 | Image acquisition following third cardiopulmonary bypass |
| SNM3 | P5-01200 | Image acquisition during stress procedure |
| SNM3 | P5-01201 | Image acquisition at baseline |
| SNM3 | P5-01202 | Pre-stress image acquisition |
| SNM3 | P5-01203 | Mid-stress image acquisition |
| SNM3 | P5-01204 | Peak-stress image acquisition |
| SNM3 | P5-01205 | Image acquisition during recovery |
| SNM3 | P5-01300 | Image acquisition after drug administration |
| SNM3 | P5-01310 | Image acquisition at user-defined dobutamine dose |
| SNM3 | P5-01311 | Image acquisition at low-dose dobutamine |
| SNM3 | P5-01312 | Image acquisition at mid-dose dobutamine |
| SNM3 | P5-01313 | Image acquisition at peak dose dobutamine |
| SNM3 | P5-01314 | Image acquisition at dobutamine 5 mcg/kg/min |
| SNM3 | P5-01315 | Image acquisition at dobutamine 10 mcg/kg/min |
| SNM3 | P5-01316 | Image acquisition at dobutamine 20 mcg/kg/min |
| SNM3 | P5-01317 | Image acquisition at dobutamine 30 mcg/kg/min |
| SNM3 | P5-01318 | Image acquisition at dobutamine 40 mcg/kg/min |
| SNM3 | P5-01319 | Image acquisition at dobutamine 50 mcg/kg/min |
| SNM3 | P5-0131A | Image at dobutamine 40 mcg/kg/min plus atropine |
| SNM3 | P5-0131B | Image acquisition at dobutamine 50 mcg/kg/min plus atropine |
| SNM3 | P5-01323 | Image acquisition at peak Arbutamine dose |
| SNM3 | P5-01333 | Image acquisition at peak dipyridamole |
| SNM3 | P5-01341 | Image acquisition after nitroglycerin |
| SNM3 | P5-01342 | Image acquisition after amyl nitrite |
| SNM3 | P5-01343 | Image acquisition after adenosine |



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**CID 12003 OB-GYN Dates**

**Context ID 12003**

**OB-GYN DATES**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11778-8 | EDD |
| LN | 11779-6 | EDD from LMP |
| LN | 11781-2 | EDD from average ultrasound age |
| LN | 11780-4 | EDD from ovulation date |
| LN | 11955-2 | LMP |
| LN | 33066-2 | Estimated LMP by EDD |
| LN | 11976-8 | Ovulation date |
| LN | 33067-0 | Conception Date |

**CID 12004 Fetal Biometry Ratios**

**Context ID 12004**

**Fetal Biometry Ratios**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11947-9 | HC/AC |
| LN | 11871-1 | FL/AC |
| LN | 11872-9 | FL/BPD |
| LN | 11823-2 | Cephalic Index |
| LN | 11873-7 | FL/HC |

**CID 12005 Fetal Biometry Measurements**

**Context ID 12005**

**Fetal Biometry Measurements**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11979-2 | Abdominal Circumference |
| LN | 11818-2 | Anterior-Posterior Abdominal Diameter |
| LN | 11819-0 | Anterior-Posterior Trunk Diameter |
| LN | 11820-8 | Biparietal Diameter |
| LN | 11824-0 | BPD area corrected |



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|---|---|---|
| LN | 11860-4 | Cisterna Magna |
| LN | 11963-6 | Femur Length |
| LN | 11965-1 | Foot length |
| LN | 11984-2 | Head Circumference |
| LN | 11851-3 | Occipital-Frontal Diameter |
| LN | 11988-3 | Thoracic Circumference |
| LN | 33068-8 | Thoracic Area |
| LN | 11862-0 | Tranverse Abdominal Diameter |
| LN | 11863-8 | Trans Cerebellar Diameter |
| LN | 11864-6 | Transverse Thoracic Diameter |
| LN | 11853-9 | Left Kidney thickness |
| LN | 11834-9 | Left Kidney length |
| LN | 11825-7 | Left Kidney width |
| LN | 11855-4 | Right Kidney thickness |
| LN | 11836-4 | Right Kidney length |
| LN | 11827-3 | Right Kidney width |
| LN | 33191-8 | APAD * TAD |

**CID 12006 Fetal Long Bones Biometry Measurements**

**Context ID 12006**

**Fetal Long Bones Measurements**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11966-9 | Humerus length |
| LN | 11967-7 | Radius length |
| LN | 11969-3 | Ulna length |
| LN | 11968-5 | Tibia length |
| LN | 11964-4 | Fibula length |
| LN | 11962-8 | Clavicle length |
| LN | 11963-6 | Femur Length |

**CID 12007 Fetal Cranium**

**Context ID 12007**

**Fetal Cranium**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 12171-5 | Lateral Ventrical width |
| LN | 11860-4 | Cisterna Magna length |



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|---|---|---|
| LN | 12146-7 | Nuchal Fold thickness |
| LN | 33070-4 | Inner Orbital Diameter |
| LN | 11629-3 | Outer Orbital Diameter |
| LN | 11863-8 | Trans Cerebellar Diameter |
| LN | 33069-6 | Nuchal Translucency |
| LN | 33197-5 | Anterior Horn Lateral ventricular width |
| LN | 33196-7 | Posterior Horn Lateral ventricular width |
| LN | 12170-7 | Width of Hemisphere |

**CID 12008 OB-GYN Amniotic Sac**

**Context ID 12008**

**OB-GYN Amniotic Sac**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11624-4 | First Quadrant Diameter |
| LN | 11626-9 | Second Quadrant Diameter |
| LN | 11625-1 | Third Quadrant Diameter |
| LN | 11623-6 | Fourth Quadrant Diameter |
| SRT | M-02550 | Diameter |

**CID 12009 Early Gestation Biometry Measurements**

**Context ID 12009**

**Early Gestation Biometry Measurements**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11957-8 | Crown Rump Length |
| LN | 11850-5 | Gestational Sac Diameter |
| LN | 33071-2 | Spine Length |
| LN | 11816-6 | Yolk Sac length |
| LN | 33069-6 | Nuchal Translucency |

**CID 12011 Ultrasound Pelvis and Uterus**

**Context ID 12011**

**Ultrasound Pelvis and Uterus**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|



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| (0008,0102) | | |
|---|---|---|
| LN | 11961-0 | Cervix Length |
| LN | 12145-9 | Endometrium Thickness |

**CID 12012 OB Equations and Tables**

**Context ID 12012**

**OB Equations and Tables**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12013 Gestational Age Equations and Tables | | |
| INCLUDE CID 12014 OB Fetal Body Weight Equations and Tables | | |
| INCLUDE CID 12015 Fetal Growth Equations and Tables | | |
| INCLUDE CID 12016 Estimated Fetal Weight Percentile Equations and Tables | | |

**CID 12013 Gestational Age Equations and Tables**

These terms define a functional relationship of the gestational age from a biometric measurement.

**Context Group 12013**

**Gestational Age Equations and Tables**

**Type: Extensible Version: 20061024**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11885-1 | Gestational Age by LMP |
| LN | 11884-4 | Average Ultrasound Age |
| LN | 33072-0 | AC, ASUM 2000 |
| LN | 11889-3 | AC, Campbell 1975 |
| LN | 11892-7 | AC, Hadlock 1984 |
| LN | 33073-8 | AC, Hansmann1985 |
| LN | 33537-2 | AC, Jeanty 1982 |
| LN | 11893-5 | AC, Jeanty 1984 |
| LN | 33074-6 | AC, Lessoway 1998 |
| LN | 33075-3 | AC, Mertz 1988 |
| LN | 33076-1 | AC, Shinozuka 1996 |
| LN | 33077-9 | A-P Abdominal Diameter, Lessoway 1998 |
| LN | 33078-7 | AxT, Shinozuka 1996 |
| LN | 33079-5 | BPD, ASUM 1989 |
| LN | 11900-8 | BPD, Doubilet 1993 |
| LN | 11902-4 | BPD, Hadlock 1984 |
| LN | 11903-2 | BPD, Hansmann 1985 |
| LN | 33538-0 | BPD, Hansmann 1986 |
| LN | 33539-8 | BPD, Jeanty 1982 |



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| | | |
|---|---|---|
| LN | 11905-7 | BPD, Jeanty 1984 |
| LN | 11906-5 | BPD, Kurtz 1980 |
| LN | 33080-3 | BPD, Lessoway 1998 |
| LN | 33081-1 | BPD, Mertz 1988 |
| LN | 33082-9 | BPD, Osaka 1989 |
| LN | 33083-7 | BPD, Rempen 1991 |
| LN | 11907-3 | BPD,  Sabbagha 1978 |
| LN | 33084-5 | BPD, Shinozuka 1996 |
| LN | 33085-2 | BPD, Tokyo 1986 |
| LN | 11901-6 | BPDa, Hadlock 1982 |
| LN | 33086-0 | BPD-oi, Chitty 1997 |
| LN | 33087-8 | BPD-oo, Chitty 1997 |
| LN | 33088-6 | Clavical length,Yarkoni 1985 |
| LN | 33089-4 | CRL, ASUM 1991 |
| LN | 33090-2 | CRL, ASUM 2000 |
| LN | 33091-0 | CRL, Daya 1993 |
| LN | 11910-7 | CRL, Hadlock 1992 |
| LN | 11911-5 | CRL, Hansmann 1985 |
| LN | 33540-6 | CRL, Hansmann 1986 |
| LN | 33092-8 | CRL, Jeanty 1982 |
| LN | 11917-2 | CRL, Jeanty 1984 |
| LN | 11913-1 | CRL, Nelson 1981 |
| LN | 33093-6 | CRL, Osaka 1989 |
| LN | 33094-4 | CRL, Rempen 1991 |
| LN | 11914-9 | CRL, Robinson 1975 |
| LN | 33095-1 | CRL, Shinozuka 1996 |
| LN | 33096-9 | CRL, Tokyo 1986 |
| LN | 33097-7 | Fibula, Jeanty 1983 |
| LN | 11918-0 | Fibula, Merz 1987 |
| LN | 33098-5 | FL, Chitty 1997 |
| LN | 11920-6 | FL, Hadlock 1984 |
| LN | 11921-4 | FL, Hansmann 1985 |
| LN | 33541-4 | FL, Hansmann 1986 |
| LN | 11922-2 | FL, Hohler 1982 |
| LN | 33099-3 | FL, Jeanty 1982 |
| LN | 11923-0 | FL, Jeanty 1984 |
| LN | 33100-9 | FL, Lessoway 1998 |
| LN | 11924-8 | FL, Merz 1987 |
| LN | 33542-2 | FL, Merz 1988 |
| LN | 33101-7 | FL, Osaka 1989 |
| LN | 33102-5 | FL, Shinozuka 1996 |
| LN | 33103-3 | FL, Tokyo 1986 |
| LN | 11926-3 | Foot Length, Mercer 1987 |
| LN | 33104-1 | GS, Daya 1991 |



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|---|---|---|
| LN | 33105-8 | GS, Hansmann 1979 |
| LN | 33106-6 | GS, Hansmann 1982 |
| LN | 11928-9 | GS, Hellman 1969 |
| LN | 33107-4 | GS, Nyberg 1992 |
| LN | 11929-7 | GS, Rempen 1991 |
| LN | 33108-2 | GS, Tokyo 1986 |
| LN | 33109-0 | HC, ASUM 2000 |
| LN | 33110-8 | HC measured, Chitty 1997 |
| LN | 33111-6 | HC derived, Chitty 1997 |
| LN | 11932-1 | HC, Hadlock 1984 |
| LN | 33112-4 | HC, Hansmann 1985 |
| LN | 33543-0 | HC, Hansmann 1986 |
| LN | 33113-2 | HC, Jeanty 1982 |
| LN | 11934-7 | HC, Jeanty 1984 |
| LN | 33114-0 | HC, Lessoway 1998 |
| LN | 33115-7 | HC Merz, 1988 |
| LN | 33116-5 | Humerus Length, ASUM 2000 |
| LN | 11936-2 | Humerus, Jeanty 1984 |
| LN | 11937-0 | Humerus, Merz 1987 |
| LN | 33117-3 | Humerus Length, Osaka 1989 |
| LN | 33118-1 | Length of Vertebra, Tokyo 1986 |
| LN | 33119-9 | OFD, ASUM 2000 |
| LN | 33544-8 | OFD, Hansmann 1985 |
| LN | 33120-7 | OFD, Hansmann 1986 |
| LN | 33121-5 | OFD, Lessoway 1998 |
| LN | 33122-3 | IOD, Mayden 1982 |
| LN | 33123-1 | IOD, Trout 1994 |
| LN | 33545-5 | BD, Jeanty 1982 |
| LN | 33124-9 | OOD, Mayden, 1982 |
| LN | 33125-6 | OOD, Trout 1994 |
| LN | 33126-4 | Radius, Jeanty 1983 |
| LN | 11939-6 | Radius, Merz 1987 |
| LN | 33127-2 | Spine Length, Tokyo, 1989 |
| LN | 11941-2 | Tibia, Jeanty 1984 |
| LN | 33128-0 | TAD, Eriksen 1985 |
| LN | 33129-8 | TAD Hansmann, 1979 |
| LN | 33130-6 | TAD, Tokyo 1986 |
| LN | 33131-4 | ThC, Chitkara 1987 |
| LN | 33132-2 | TCD, Chitty 1994 |
| LN | 33133-0 | TCD, Goldstein 1987 |
| LN | 33134-8 | TCD, Hill 1990 |
| LN | 33135-5 | TCD, Nimrod 1986 |
| LN | 33136-3 | Transverse Thoracic Diameter, Hansmann 1985 |



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|---|---|---|
| LN | 33137-1 | Transverse Thoracic Diameter, Lessoway 1998 |
| LN | 33138-9 | Fetal Trunk Cross-Sectional Area, Osaka 1989 |
| LN | 11944-6 | Ulna, Jeanty 1984 |
| LN | 11945-3 | Ulna, Merz 1987 |

### CID 12014 OB Fetal Body Weight Equations and Tables

These terms define a functional relationship to estimated fetal body mass from a biometric measurement.

**Context ID 12014**

**OB Fetal Body Weight Equations and Tables**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11756-4 | EFW by AC, Campbell 1975 |
| LN | 11738-2 | EFW by AC, BPD, Hadlock 1984 |
| LN | 11734-1 | EFW by AC, BPD, FL, Hadlock 1984 |
| LN | 11735-8 | EFW by AC, BPD, FL, Hadlock 1985 |
| LN | 11732-5 | EFW by AC, BPD, FL, HC, Hadlock 1985 |
| LN | 11750-7 | EFW by AC, FL, Hadlock 1984 |
| LN | 11751-5 | EFW by AC, FL, Hadlock 1985 |
| LN | 11746-5 | EFW by AC, FL, HC, Hadlock 1985 |
| LN | 11754-9 | EFW by AC, HC Hadlock 1984 |
| LN | 33139-7 | EFW by BPD, TTD, Hansmann 1986 |
| LN | 11739-0 | EFW by AC and BPD, Shepard 1982 |
| LN | 33140-5 | EFW by BPD, FTA, FL, Osaka 1990 |
| LN | 33141-3 | EFW1 by Shinozuka 1996 |
| LN | 33142-1 | EFW2 by Shinozuka 1996 |
| LN | 33143-9 | EFW3 by Shinozuka 1996 |
| LN | 33144-7 | EFW by BPD, APAD, TAD, FL, Tokyo 1987 |

### CID 12015 Fetal Growth Equations and Tables

These terms specify biometric growth parameter of a population distribution as a function of gestational age. The term may also specify the population's distribution, and so enable calculating a percentile rank or Z-score relative to the distribution.

**Context ID 12015**

**Fetal Growth Equations and Tables**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33145-4 | AC by GA, ASUM 2000 |
| LN | 33146-2 | AC by GA, Hadlock 1984 |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33147-0 | AC (measured) by GA, Chitty 1994 |
| LN | 33546-3 | AC (derived) by GA, Chitty 1994 |
| LN | 33148-8 | AC by GA, Merz 1988 |
| LN | 33149-6 | AC by GA, Shinozuka 1996 |
| LN | 33150-4 | AxT by GA, Shinozuka 1996 |
| LN | 33151-2 | BPD by GA, ASUM 2000 |
| LN | 33198-3 | BPD by GA, Hadlock 1984 |
| LN | 33556-2 | BPD outer-inner by GA, Chitty 1994 |
| LN | 33152-0 | BPD outer-outer by GA, Chitty 1994 |
| LN | 33153-8 | BPD by GA, Jeanty 1982 |
| LN | 33154-6 | BPD by GA, Merz 1988 |
| LN | 33155-3 | BPD by GA, Rempen 1991 |
| LN | 33156-1 | BPD by GA, Shinozuka 1996 |
| LN | 33157-9 | Cephalic Index by GA, Chitty 1994 |
| LN | 33158-7 | Cephalic Index by GA, Hadlock 1981 |
| LN | 33159-5 | CRL by GA ASUM 2000 |
| LN | 33160-3 | CRL by GA, Rempen1991 |
| LN | 33161-1 | CRL by GA, Shinozuka 1996 |
| LN | 33162-9 | EFW by GA, Hadlock 1991 |
| LN | 33163-7 | EFW by GA, Hansmann 1986 |
| LN | 33164-5 | Fibula by GA, Jeanty 1983 |
| LN | 33165-2 | FL by GA, ASUM 2000 |
| LN | 33166-0 | FL by GA, Hadlock 1984 |
| LN | 33167-8 | FL by GA, Chitty 1994 |
| LN | 33168-6 | FL by GA, Jeanty 1982 |
| LN | 33169-4 | FL by GA, Merz 1988 |
| LN | 33170-2 | FL by GA, Shinozuka 1996 |
| LN | 33171-0 | GS by GA, Rempen 1991 |
| LN | 33172-8 | HC by GA, ASUM 2000 |
| LN | 33173-6 | HC by GA, Hadlock 1984 |
| LN | 33174-4 | HC derived by GA, Chitty 1994 |
| LN | 33175-1 | HC by GA, Jeanty 1982 |
| LN | 33176-9 | HC by GA, Merz 1988 |
| LN | 33177-7 | Humerus Length by GA, ASUM 2000 |
| LN | 33178-5 | OFD by GA, ASUM 2000 |
| LN | 33179-3 | OFD by GA, Chitty 1994 |
| LN | 33180-1 | Radius by GA, Jeanty 1983 |
| LN | 33181-9 | TCD by GA Goldstein 1987 |
| LN | 33182-7 | HC/AC by GA, Campbell 1977 |



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**CID 12016 Estimated Fetal Weight Percentile Equations and Tables**

These terms specify the population distribution for use in Z-score and percentile rank.

**Context ID 12016**

**Estimated Fetal Weight Percentile Equations and Tables**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33183-5 | FWP by GA, Hadlock 1991 |
| LN | 33184-3 | FWP by GA, Williams, 1982 |
| LN | 33185-0 | FWP by GA, Alexander, 1996 |
| LN | 33186-8 | Male Singleton BWP by GA, Arbuckle 1993 |
| LN | 33187-6 | Female Singleton BWP by GA, Arbuckle 1993 |
| LN | 33199-1 | Male Twins BWP by GA, Arbuckle 1993 |
| LN | 33188-4 | Female Twins BWP by GA, Arbuckle 1993 |
| LN | 33189-2 | FWP by GA, Brenner 1976 |
| LN | 33190-0 | FWP by MA, Hadlock 1985 |

**CID 12017 Growth Distribution Rank**

**Context ID 12017**

**Growth Distribution Rank**

**Type: Extensible Version: 20030130**

| Code Scheme | Code Value | Code Meaning |
|---|---|---|
| DCM | 125012 | Growth Percentile Rank |
| DCM | 125013 | Growth Z-score |

**CID 12018 OB-GYN Summary**

**Context ID 12018**

**OB-GYN SUMMARY**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11878-6 | Number of Fetuses |
| LN | 11886-9 | Gestational Age by ovulation date |



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**CID 12019 OB-GYN Fetus Summary**

**Context ID 12019**

**OB-GYN FETUS SUMMARY**

**Type: Extensible Version: 20030130**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18185-9 | Gestational Age |
| LN | 11888-5 | Composite Ultrasound Age |
| LN | 11885-1 | Gestational Age by LMP |
| LN | 11727-5 | Estimated Weight |
| LN | 11767-1 | EFW percentile rank |
| LN | 11948-7 | Fetal Heart Rate |

**CID 12101 Vascular Summary**

**Context ID 12101**
**Vascular Summary**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 121106 | Comment |

**CID 12102 Temporal Periods Relating to Procedure or Therapy**

**Context ID 12102**
**Temporal Periods Relating to Procedure or Therapy**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-422A4 | After Procedure |
| SRT | R-40FBA | During Procedure |
| SRT | R-40FB9 | Before Procedure |



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**CID 12103 Vascular Ultrasound Anatomic Location**

**Context ID 12103**

**Vascular Ultrasound Anatomic Location**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12104 Extracranial Arteries | | |
| INCLUDE CID 12105 Intracranial Cerebral Vessels | | |
| INCLUDE CID 12106 Intracranial Cerebral Vessels (unilateral) | | |
| INCLUDE CID 12107 Upper Extremity Arteries | | |
| INCLUDE CID 12108 Upper Extremity Veins | | |
| INCLUDE CID 12109 Lower Extremity Arteries | | |
| INCLUDE CID 12110 Lower Extremity Veins | | |
| INCLUDE CID 12111 Abdominal Arteries (lateral) | | |
| INCLUDE CID 12112 Abdominal Arteries (unilateral) | | |
| INCLUDE CID 12113 Abdominal Veins (lateral) | | |
| INCLUDE CID 12114 Abdominal Veins (unilateral) | | |
| INCLUDE CID 12115 Renal Vessels | | |

**CID 12104 Extracranial Arteries**

This context group specifies the anatomic location for vascular observations

**Context ID 12104**

**Extracranial Arteries**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-45160 | Carotid Bifurcation |
| SRT | T-45170 | Carotid Bulb |
| SRT | T-45100 | Common Carotid Artery |
| SRT | T-45200 | External Carotid Artery |
| SRT | T-45300 | Internal Carotid Artery |
| SRT | T-46100 | Subclavian Artery |
| SRT | T-45700 | Vertebral Artery |



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**CID 12105 Intracranial Cerebral Vessels**

**Context ID 12105**

**Intracranial Cerebral Vessels**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-45540 | Anterior Cerebral Artery |
| SRT | T-45530 | Anterior Communicating Artery |
| SRT | G-0368 | Anterior-Middle Cerebral Artery Bifurcation |
| SRT | G-0369 | Anterior-Posterior Cerebral Artery Bifurcation |
| SRT | T-45308 | Carotid Siphon |
| SRT | T-45430 | Central Retinal Artery |
| SRT | T-48286 | Central Retinal Vein |
| SRT | T-45300 | Internal Carotid Artery |
| SRT | R-102BB | Internal Carotid Artery C5 segment |
| SRT | R-102BC | Internal Carotid Artery C6 segment |
| SRT | R-102BD | Terminal internal carotid artery |
| SRT | T-45600 | Middle Cerebral Artery |
| SRT | R-1024F | Middle Cerebral Artery M1 Segment |
| SRT | R-10251 | Middle Cerebral Artery M2 Segment |
| SRT | T-45400 | Ophthalmic Artery |
| SRT | T-45900 | Posterior Cerebral Artery |
| SRT | R-10253 | Posterior Cerebral Artery P1 Segment |
| SRT | R-10255 | Posterior Cerebral Artery P2 Segment |
| SRT | T-45320 | Posterior Communicating Artery |

**CID 12106 Intracranial Cerebral Vessels (unilateral)**

**Context ID 12106**

**Intracranial Cerebral Vessels (unilateral)**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-45800 | Basilar Artery |



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**CID 12107 Upper Extremity Arteries**

**Context ID 12107**

**Upper Extremity Arteries**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-47100 | Axillary Artery |
| SRT | T-47160 | Brachial Artery |
| SRT | T-47340 | Deep Palmar Arch of Radial Artery |
| SRT | T-46010 | Innominate Artery |
| SRT | T-47300 | Radial Artery |
| SRT | T-46100 | Subclavian Artery |
| SRT | T-47240 | Superficial Palmar Arch |
| SRT | T-47200 | Ulnar Artery |
| SRT | T-47260 | Digital artery of hand |



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**CID 12108 Upper Extremity Veins**

**Context ID 12108**

**Upper Extremity Veins**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-49110 | Axillary vein |
| SRT | T-48052 | Basilic vein |
| SRT | T-49350 | Brachial vein |
| SRT | T-49240 | Cephalic vein |
| SRT | T-48620 | Innominate vein |
| SRT | T-48170 | Internal Jugular vein |
| SRT | T-49250 | Median Cubital vein |
| SRT | T-49340 | Radial vein |
| SRT | T-48330 | Subclavian vein |
| SRT | T-49330 | Ulnar vein |
| SRT | T-48610 | Superior Vena Cava |
| SRT | T-49218 | Deep Palmar Venous Arch |
| SRT | T-49217 | Superficial Palmar Venous Arch |

**CID 12109 Lower Extremity Arteries**

**Context ID 12109**

**Lower Extremity Arteries**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-46710 | Common Iliac Artery |
| SRT | R-10258 | Common Iliac Artery Bifurcation |
| SRT | T-47700 | Anterior Tibial Artery |
| SRT | T-47400 | Common Femoral Artery |
| SRT | T-47741 | Dorsalis Pedis Artery |
| SRT | T-46910 | External Iliac Artery |
| SRT | T-46740 | Internal Iliac Artery |
| SRT | T-47630 | Peroneal Artery |
| SRT | T-47690 | Plantar Arterial Arch |
| SRT | T-47500 | Popliteal Artery |
| SRT | T-47600 | Posterior Tibial Artery |
| SRT | T-47440 | Profunda Femoris Artery |
| SRT | T-47403 | Superficial Femoral Artery |



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**CID 12110 Lower Extremity Veins**

**Context ID 12110**

**Lower Extremity Veins**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-49630 | Anterior Tibial Vein |
| SRT | T-49423 | Lateral calf perforator |
| SRT | G-035B | Common Femoral Vein |
| SRT | T-48920 | Common Iliac Vein |
| SRT | T-48930 | External Iliac Vein |
| SRT | T-4942D | Gastrocnemius vein |
| SRT | G-036F | Giacomini vein |
| SRT | T-49530 | Great Saphenous Vein |
| SRT | R-10259 | Great Saphenous Vein of Thigh |
| SRT | R-1025A | Great Saphenous Vein of Calf |
| SRT | T-49550 | Lesser Saphenous Vein |
| SRT | T-49650 | Peroneal Vein |
| SRT | T-49640 | Popliteal Vein |
| SRT | G-036E | Posterior arch vein |
| SRT | T-49620 | Posterior Tibial Vein |
| SRT | T-49660 | Profunda Femoris Vein |
| SRT | T-D930A | Saphenofemoral Junction |
| SRT | G-036B | Soleal vein |
| SRT | G-035A | Superficial Femoral Vein |
| SRT | T-4942C | Thigh perforator |
| SRT | T-48940 | Internal iliac vein |
| SRT | T-4941A | Saphenopopliteal junction |
| SRT | T-4942A | Hunterian perforating vein |
| SRT | T-49426 | Cockett's perforating vein |
| SRT | T-49424 | Boyd's perforating vein |

**CID 12111 Abdominal Arteries (lateral)**

**Context ID 12111**

**Abdominal Arteries (lateral)**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|



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| | | |
|---|---|---|
| SRT | T-46640 | Accessory Renal Artery |
| SRT | T-46410 | Gastric Artery |
| | | |
| SRT | T-46980 | Ovarian Artery |
| SRT | T-46970 | Testicular Artery |
| SRT | T-F1810 | Umbilical Artery |
| SRT | T-46820 | Uterine Artery |

**CID 12112 Abdominal Arteries (unilateral)**

**Context ID 12112**

**Abdominal Arteries (unilateral)**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-42000 | Aorta |
| SRT | T-42520 | Infra-renal Aorta |
| SRT | T-42510 | Supra-renal Aorta |
| SRT | T-46400 | Celiac Axis |
| SRT | T-46421 | Common Hepatic Artery |
| SRT | T-46710 | Common Iliac Artery |
| SRT | T-46440 | Gastroduodenal Artery |
| SRT | T-46520 | Inferior Mesenteric Artery |
| SRT | T-46960 | Lumbar Artery |
| SRT | T-46422 | Proper Hepatic Artery |
| SRT | T-46423 | Right Branch of Hepatic Artery |
| SRT | T-46427 | Left Branch of Hepatic Artery |
| SRT | T-46460 | Splenic Artery |
| SRT | T-46510 | Superior Mesenteric Artery |

**CID 12113 Abdominal Veins (lateral)**

**Context ID 12113**

**Abdominal Veins (lateral)**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-48920 | Common iliac vein |
| SRT | T-48820 | Gastric vein |
| SRT | G-0370 | Ileal vein |



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| | | |
|---|---|---|
| SRT | T-48780 | Ovarian vein |
| SRT | T-48770 | Testicular Vein |
| SRT | G-035E | First Lumbar Artery |
| SRT | G-035F | Second Lumbar Artery |
| SRT | G-0360 | Third Lumbar Artery |
| SRT | G-0361 | Fourth Lumbar Artery |
| SRT | G-0362 | Fifth Lumbar Artery |
| SRT | G-0363 | Sixth Lumbar Artery |

**CID 12114 Abdominal Veins (unilateral)**

**Context ID 12114**

**Abdominal Veins (unilateral)**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-48720 | Hepatic Vein |
| SRT | G-036D | Inferior Right Hepatic Vein |
| SRT | T-48727 | Left Hepatic Vein |
| SRT | T-48726 | Middle Hepatic Vein |
| SRT | T-48725 | Right Hepatic Vein |
| SRT | T-48810 | Portal Vein |
| SRT | T-4881F | Left Main Branch of Portal Vein |
| SRT | T-4882A | Right Main Branch of Portal Vein |
| SRT | T-48910 | Inferior Mesenteric Vein |
| SRT | T-48710 | Inferior Vena Cava |
| SRT | T-48890 | Splenic Vein |
| SRT | T-48840 | Superior Mesenteric Vein |
| SRT | G-036C | Transjugular Intrahepatic Portosystemic Shunt |
| SRT | T-48817 | Umbilical Vein |

**CID 12115 Renal Vessels**

**Context ID 12115**

**Renal Vessels**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|



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| | | |
|---|---|---|
| SRT | T-46600 | Renal Artery |
| SRT | G-035C | Hilar Artery |
| SRT | T-46659 | Segmental Artery |
| SRT | T-4667C | Lobar Artery |
| SRT | T-4668A | Arcuate Artery of the Kidney |
| SRT | T-4667D | Interlobar Artery of Kidney |
| SRT | T-46640 | Accessory Renal Artery |
| SRT | T-46668 | Perforating Artery of Kidney |
| SRT | T-48740 | Renal Vein |

**CID 12116 Vessel Segment Modifiers**

This context group is the set of modifiers that specify the postion along a vessel segment.

**Context ID 12116**

**Vessel Segment Modifiers**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A119 | Distal |
| SRT | G-A188 | Mid-longitudinal |
| SRT | G-036A | Origin of vessel |
| SRT | G-A118 | Proximal |
| SRT | R-1025B | Dilated portion of segment |

**CID 12117 Vessel Branch Modifiers**

This context group is the set of modifiers to specify a particular vessel segment or branch.

**Context ID 12117**

**Vessel Branch Modifiers**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-035D | Collateral branch of vessel |
| SRT | G-A115 | Inferior |
| SRT | G-A104 | Lateral |
| SRT | G-A101 | Left |
| SRT | G-A332 | Main |
| SRT | G-A109 | Medial |
| SRT | G-A100 | Right |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A116 | Superior |

**CID 12119 Vascular Ultrasound Property**

**Context ID 12119**

**Vascular Ultrasound Property**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12120 Blood Velocity Measurements | | |
| INCLUDE CID 12121 Vascular Indices and Ratios | | |
| INCLUDE CID 12122 Other Vascular Properties | | |

**CID 12120 Blood Velocity Measurements**

**Context ID 12120**

**Blood Velocity Measurements**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11653-3 | End Diastolic Velocity |
| LN | 11665-7 | Minimum Diastolic Velocity |
| LN | 11726-7 | Peak Systolic Velocity |
| LN | 20352-1 | Time averaged mean velocity |
| LN | 11692-1 | Time averaged peak velocity |

**CID 12121 Vascular Indices and Ratios**

**Context ID 12121**

**Vascular Indices and Ratios**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 20167-3 | Acceleration Index |
| SRT | R-101BA | Lumen Area Stenosis |
| SRT | R-101BB | Lumen Diameter Stenosis |
| LN | 12008-9 | Pulsatility Index |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 12023-8 | Resistivity Index |
| LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| LN | 33867-3 | Velocity ratio |

Note: This Context Group formerly included SNOMED codes G-0371 and G-0372, which have been replaced by R-101BA and R-101BB, respectively. See Annex J.

**CID 12122 Other Vascular Properties**

**Context ID 12122**

**Other Vascular Properties**

**Type: Extensible Version: 20050110**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 20168-1 | Acceleration Time |
| LN | 20217-6 | Deceleration Time |
| SRT | G-0364 | Vessel lumen diameter |
| SRT | R-1025C | Vessel Intimal Diameter |
| SRT | R-1025D | Vessel Intimal Cross-Sectional Area |
| SRT | G-0365 | Vessel outside diameter |
| SRT | G-0366 | Vessel lumen cross-sectional area |
| LN | 33878-0 | Volume flow |
| SRT | R-1025E | Vessel depth from surface |
| LN | 20247-3 | Peak Gradient |
| LN | 20256-4 | Mean Gradient |
| SRT | R-1025F | Length of Segment |

**CID 12123 Carotid Ratios**

**Context ID 12123**

**Carotid Ratios**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33868-1 | ICA/CCA velocity ratio |



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**CID 12124 Renal Ratios**

**Context ID 12124**

**Renal Ratios**

**Type: Extensible Version: 20030327**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33869-9 | Renal Artery/Aorta velocity ratio |

**CID 12140 Pelvic Vasculature Anatomical Location**

**Context ID 12140**

**Pelvic Vasculature Anatomical Location**
**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-F1810 | Umbilical Artery |
| SRT | T-F1820 | Umbilical Vein |
| SRT | T-46980 | Ovarian Artery |
| SRT | T-48780 | Ovarian Vein |
| SRT | T-46820 | Uterine Artery |
| SRT | T-49010 | Uterine Vein |
| SRT | T-F1412 | Vitelline Artery of Placenta |
| SRT | T-F1413 | Vitelline Vein of Placenta |
| SRT | T-46710 | Common Iliac Artery |

**CID 12141 Fetal Vasculature Anatomical Location**

**Context ID 12141**

**Fetal Vasculature Anatomical Location**
**Type: Extensible Version: 20040322**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-42000 | Aorta |
| SRT | T-D0765 | Descending Aorta |
| SRT | T-45600 | Middle Cerebral Artery |
| SRT | T-48581 | Pulmonary Vein |
| SRT | T-44000 | Pulmonary Artery |



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**CID 12200 Echocardiography Left Ventricle**

**Context ID 12200**
**Echocardiography Left Ventricle**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12201 Left Ventricle Linear | | |
| INCLUDE CID 12240 Left Ventricle Area | | |
| INCLUDE CID 12202 Left Ventricle Volume | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| INCLUDE CID 12203 Left Ventricle Other | | |
| INCLUDE CID 12239 Cardiac Output Properties | | |

**CID 12201 Left Ventricle Linear**

**Context ID 12201**
**Left Ventricle Linear**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| LN | 29436-3 | Left Ventricle Internal End Diastolic Dimension |
| LN | 29438-9 | Left Ventricle Internal Systolic Dimension |
| LN | 18051-3 | Left Ventricular Fractional Shortening |
| LN | 18154-5 | Interventricular Septum Diastolic Thickness |
| LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| LN | 18054-7 | Interventricular Septum % Thickening |
| LN | 18158-6 | Interventricular Septum Systolic Thickness |
| LN | 18053-9 | Left Ventricle Posterior Wall % Thickening |
| LN | 18077-8 | Left Ventricle diastolic major axis |
| LN | 18076-0 | Left Ventricle systolic major axis |
| LN | 18156-0 | Left Ventricle Posterior Wall Systolic Thickness |
| LN | 18152-9 | Left Ventricle Posterior Wall Diastolic Thickness |
| SRT | G-0377 | Left Ventricle Semi-major Axis Diastolic Dimension |
| SRT | G-0378 | Left Ventricle Truncated Semi-major Axis Diastolic Dimension |



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**CID 12202 Left Ventricle Volume**

**Context ID 12202**
**Left Ventricle Volume**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18026-5 | Left Ventricular End Diastolic Volume |
| LN | 18148-7 | Left Ventricular End Systolic Volume |
| LN | 18043-0 | Left Ventricular Ejection Fraction |

**CID 12203 Left Ventricle Other**

**Context ID 12203**
**Left Ventricle Other**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18087-7 | Left Ventricle Mass |
| LN | 18071-1 | Left Ventricular Isovolumic Relaxation Time |
| SRT | G-037E | Left Ventricular Isovolumic Contraction Time |
| SRT | G-037A | Left Ventricular Peak Early Diastolic Tissue Velocity |
| SRT | G-037B | Ratio of MV Peak Velocity to LV Peak Tissue Velocity E-Wave |
| SRT | G-037C | LV Peak Diastolic Tissue Velocity During Atrial Systole |
| SRT | G-037D | Left Ventricular Peak Systolic Tissue Velocity |
| SRT | G-037F | Left Ventricular Index of Myocardial Performance |

**CID 12204 Echocardiography Right Ventricle**

**Context ID 12204**
**Echocardiography Right Ventricle**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| INCLUDE CID 12239 Cardiac Output Properties | | |
| LN | 20304-2 | Right Ventricular Internal Diastolic Dimension |
| LN | 20305-9 | Right Ventricular Internal Systolic Dimension |
| SRT | G-0381 | Right Ventricular Index of Myocardial Performance |
| SRT | G-0380 | Right Ventricular Peak Systolic Pressure |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18153-7 | Right Ventricular Anterior Wall Diastolic Thickness |
| LN | 18157-8 | Right Ventricular Anterior Wall Systolic Thickness |

**CID 12205 Echocardiography Left Atrium**

**Context ID 12205**
**Echocardiography Left Atrium**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |
| LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| LN | 29486-8 | Left Atrial Appendage Peak Velocity |
| LN | 17977-0 | Left Atrium Systolic Area |
| SRT | G-0383 | Left Atrium Systolic Volume |

**CID 12206 Echocardiography Right Atrium**

**Context ID 12206**
**Echocardiography Right Atrium**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 18070-3 | Right Atrium Systolic Pressure |
| LN | 17988-7 | Right Atrium Systolic Area |

**CID 12207 Echocardiography Mitral Valve**

**Context ID 12207**
**Echocardiography Mitral Valve**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| INCLUDE CID 12239 Cardiac Output Properties | | |
| LN | 17978-8 | Mitral Valve A-Wave Peak Velocity |
| LN | 18037-2 | Mitral Valve E-Wave Peak Velocity |
| LN | 18038-0 | Mitral Valve E to A Ratio |
| SRT | G-0386 | Mitral Valve AT/DT Ratio |
| SRT | G-0384 | Mitral Valve E-Wave Deceleration Time |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| LN | 18040-6 | Mitral Valve E-F Slope by M-Mode |
| LN | 18036-4 | Mitral Valve EPSS, E wave |
| SRT | G-0385 | Mitral Valve A-Wave Duration |
| LN | 18057-0 | Mitral Valve Diastolic Peak Instantaneous Gradient |
| SRT | G-0387 | Mitral Valve Closure to Opening Time |
| LN | 18035-6 | Mitral Regurgitation dP/dt derived from Mitral Reg. velocity |

**CID 12208 Echocardiography Tricuspid Valve**

**Context ID 12208**
**Echocardiography Tricuspid Valve**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| LN | 18031-5 | Tricuspid Valve E Wave Peak Velocity |
| LN | 18030-7 | Tricuspid Valve A Wave Peak Velocity |
| LN | 18039-8 | Tricuspid Valve E to A Ratio |
| LN | 20296-0 | Time from Q wave to Tricuspid Valve Opens |
| SRT | G-0389 | Tricuspid Valve Closure to Opening Time |
| LN | 18034-9 | Tricuspid Regurgitation dP/dt |

**CID 12209 Echocardiography Pulmonic Valve**

**Context ID 12209**
**Echocardiography Pulmonic Valve**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| LN | 18096-8 | Pulmonic Valve Area by continuity |
| LN | 18042-2 | Pulmonic Valve Ejection Time |
| SRT | G-0388 | Ratio of Pulmonic Valve Acceleration Time to Ejection Time |
| LN | 20295-2 | Time from Q wave to Pulmonic Valve Closes |



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**CID 12210 Echocardiography Pulmonary Artery**

**Context ID 12210**
**Echocardiography Pulmonary Artery**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 18020-8 | Main Pulmonary Artery Diameter |
| LN | 18021-6 | Right Pulmonary Artery Diameter |
| LN | 18019-0 | Left Pulmonary Artery Diameter |
| SRT | G-038A | Main Pulmonary Artery Peak Velocity |

**CID 12211 Echocardiography Aortic Valve**

**Context ID 12211**
**Echocardiography Aortic Valve**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |
| LN | 17996-0 | Aortic Valve Cusp Separation |
| LN | 18041-4 | Aortic Valve Ejection Time |
| SRT | G-0382 | Ratio of Aortic Valve Acceleration Time to Ejection Time |

**CID 12212 Echocardiography Aorta**

**Context ID 12212**
**Echocardiography Aorta**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 18015-8 | Aortic Root Diameter |
| LN | 18011-7 | Aortic Arch Diameter |
| LN | 18012-5 | Ascending Aortic Diameter |
| LN | 18014-1 | Aortic Isthmus Diameter |
| LN | 18013-3 | Descending Aortic Diameter |
| LN | 17995-2 | Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient |
| LN | 29460-3 | Thoracic Aorta Coarctation Systolic Peak Velocity |



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**CID 12214 Echocardiography Pulmonary Veins**

**Context ID 12214**
**Echocardiography Pulmonary Veins**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 29450-4 | Pulmonary Vein Systolic Peak Velocity |
| LN | 29451-2 | Pulmonary Vein Diastolic Peak Velocity |
| LN | 29452-0 | Pulmonary Vein Systolic to Diastolic Ratio |
| LN | 29453-8 | Pulmonary Vein Atrial Contraction Reversal Peak Velocity |
| SRT | G-038B | Pulmonary Vein A-Wave Duration |
| SRT | G-038D | Pulmonary Vein D-Wave Velocity Time Integral |
| SRT | G-038C | Pulmonary Vein S-Wave Velocity Time Integral |

**CID 12215 Echocardiography Vena Cavae**

**Context ID 12215**
**Echocardiography Vena Cavae**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 18006-7 | Inferior Vena Cava Diameter |
| LN | 18050-5 | Inferior Vena Cava % Collapse |

**CID 12216 Echocardiography Hepatic Veins**

**Context ID 12216**
**Echocardiography Hepatic Veins**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 29471-0 | Hepatic Vein Systolic Peak Velocity |
| LN | 29472-8 | Hepatic Vein Diastolic Peak Velocity |
| LN | 29473-6 | Hepatic Vein Systolic to Diastolic Ratio |
| LN | 29474-4 | Hepatic Vein Atrial Contraction Reversal Peak Velocity |



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**CID 12217 Echocardiography Cardiac Shunt**

**Context ID 12217**
**Echocardiography Cardiac Shunt**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| LN | 29462-9 | Pulmonary-to-Systemic Shunt Flow Ratio |

**CID 12218 Echocardiography Congenital**

**Context ID 12218**
**Echocardiography Congenital**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12220 Echocardiography Common Measurements | | |
| INCLUDE CID 12222 Orifice Flow Properties | | |

**CID 12219 Pulmonary Vein Modifiers**

**Context ID 12219**
**Pulmonary Vein Modifiers**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-404A0 | Right Upper Segment |
| SRT | R-4049E | Right Lower Segment |
| SRT | R-40491 | Left Upper Segment |
| SRT | R-4214B | Left Lower Segment |

**CID 12220 Echocardiography Common Measurements**

**Context ID 12220**
**Echocardiography Common Measurements**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 8867-4 | Heart rate |



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**CID 12221 Flow Direction**

**Context ID 12221**
**Flow Direction**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | R-42047 | Antegrade Flow |
| SRT | R-42E61 | Regurgitant Flow |

**CID 12222 Orifice Flow Properties**

**Context ID 12222**
**Orifice Flow Properties**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 33878-0 | Volume Flow |
| LN | 34141-2 | Peak Instantaneous Flow Rate |
| SRT | G-038E | Cardiovascular Orifice Area |
| SRT | G-038F | Cardiovascular Orifice Diameter |
| SRT | G-0390 | Regurgitant Fraction |
| LN | 11653-3 | End Diastolic Velocity |
| LN | 11726-7 | Peak Velocity |
| LN | 20352-1 | Mean Velocity |
| LN | 20247-3 | Peak Gradient |
| LN | 20256-4 | Mean Gradient |
| LN | 20354-7 | Velocity Time Integral |
| LN | 20280-4 | Pressure Half-Time |
| LN | 20168-1 | Acceleration Time |
| LN | 20217-6 | Deceleration Time |
| LN | 20216-8 | Deceleration Slope |

**CID 12223 Echocardiography Stroke Volume Origin**

**Context ID 12223**
**Echocardiography Stroke Volume Origin**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-32600 | Left Ventricle |
| SNM3 | T-32650 | Left Ventricle Outflow Tract |
| SNM3 | T-32550 | Right Ventricle Outflow Tract |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SNM3 | T-35300 | Mitral Valve |
| SNM3 | T-42000 | Aorta |

**CID 12224 Ultrasound Image Modes**

**Context ID 12224**
**Ultrasound Image Modes**

**Type: Extensible Version: 20060622**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-03A2 | 2D mode |
| SRT | R-409E2 | Doppler Color Flow |
| SRT | G-0394 | M mode |
| SRT | R-409E4 | Doppler Pulsed |
| SRT | R-409E3 | Doppler Continuous Wave |
| DCM | 125230 | Power Doppler |
| DCM | 125231 | 3D mode |

**CID 12226 Echocardiography Image View**

**Context ID 12226**
**Echocardiography Image View**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-A19B | Apical two chamber |
| SRT | G-A19C | Apical four chamber |
| SRT | G-0395 | Apical long axis |
| SRT | G-0396 | Parasternal long axis |
| SRT | G-0397 | Parasternal short axis |
| SRT | G-0398 | Parasternal short axis at the aortic valve level |
| SRT | G-0399 | Parasternal short axis at the level of the mitral chords |
| SRT | G-039A | Parasternal short axis at the Mitral Valve level |
| SRT | G-039B | Parasternal short axis at the Papillary Muscle level |
| SRT | G-039C | Right Ventricular Inflow Tract View |
| SRT | G-039D | Right Ventricular Outflow Tract View |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-039E | Subcostal long axis |
| SRT | G-039F | Subcostal short axis |
| SRT | G-03A0 | Suprasternal long axis |
| SRT | G-03A1 | Suprasternal short axis |

**CID 12227 Echocardiography Measurement Method**

**Context ID 12227**
**Echocardiography Measurement Method**

**Type: Extensible Version: 20030918**

| Code Scheme | Code Value | Concept Name |
|---|---|---|
| INCLUDE CID 12228 Volume Methods | | |
| INCLUDE CID 12229 Area Methods | | |
| INCLUDE CID 12230 Gradient Methods | | |
| INCLUDE CID 12231 Volume Flow Methods | | |
| INCLUDE CID 12232 Myocardium Mass Methods | | |

**CID 12228 Volume Methods**

**Context ID 12228**
**Volume Methods**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125204 | Area-Length Biplane |
| DCM | 125205 | Area-Length Single Plane |
| DCM | 125211 | Biplane Ellipse |
| DCM | 125226 | Single Plane Ellipse |
| DCM | 125206 | Cube Method |
| DCM | 125207 | Method of Disks, Biplane |
| DCM | 125208 | Method of Disks, Single Plane |
| DCM | 125209 | Teichholz |

**CID 12229 Area Methods**

**Context ID 12229**
**Area Methods**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125210 | Area by Pressure Half-Time |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125212 | Continuity Equation |
| DCM | 125213 | Continuity Equation by Mean Velocity |
| DCM | 125214 | Continuity Equation by Peak Velocity |
| DCM | 125215 | Continuity Equation by Velocity Time Integral |
| DCM | 125216 | Proximal Isovelocity Surface Area |
| DCM | 125220 | Planimetry |

**CID 12230 Gradient Methods**

**Context ID 12230**
**Gradient Methods**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125217 | Full Bernoulli |
| DCM | 125218 | Simplified Bernoulli |

**CID 12231 Volume Flow Methods**

**Context ID 12231**
**Volume Flow Methods**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125219 | Doppler Volume Flow |
| DCM | 125216 | Proximal Isovelocity Surface Area |

**CID 12232 Myocardium Mass Methods**

**Context ID 12232**
**Myocardium Mass Methods**

**Type: Extensible Version: 20050321**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125221 | Left Ventricle Mass by M-mode |
| DCM | 125222 | Left Ventricle Mass by Truncated Ellipse |



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**CID 12233 Cardiac Phase**

**Context ID 12233**
**Cardiac Phase**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-32020 | Systole |
| SRT | F-32010 | Diastole |
| SRT | F-32011 | End Diastole |
| DCM | 109070 | End Systole |

**CID 12234 Respiration State**

**Context ID 12234**
**Respiration Phase**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-20010 | During Inspiration |
| SRT | F-20020 | During Expiration |

**CID 12235 Mitral Valve Anatomic Sites**

**Context ID 12235**
**Mitral Valve Anatomic Sites**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-0391 | Medial Mitral Annulus |
| SRT | G-0392 | Lateral Mitral Annulus |
| SRT | T-35313 | Mitral Annulus |

**CID 12236 Echo Anatomic Sites**

**Context ID 12236**
**Echo Anatomic Sites**

**Type: Extensible Version: 20050321**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12235 Mitral Valve Anatomic Sites | | |
| INCLUDE CID 12223 Stroke Volume Origin | | |
| INCLUDE CID 12241 Tricuspid Valve Finding Sites | | |
| INCLUDE CID 12242 Aortic Valve Finding Sites | | |



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| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12243 Left Ventricle Finding Sites | | |
| INCLUDE CID 12244 Congenital Finding Sites | | |
| SRT | D4-32030 | Thoracic Aortic Coarctation |

**CID 12237 Echocardiography Anatomic Site Modifiers**

**Type: Extensible Version: 20030918**

**Context ID 12237**
**Echocardiography Anatomic Site Modifiers**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| INCLUDE CID 12219 Pulmonary Vein Modifiers | | |

**CID 12238 Wall Motion Scoring Schemes**

**Context ID 12238**
**Wall Motion Scoring Schemes**

**Type: Extensible Version: 20050321**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| DCM | 125223 | 4 Point Segment Finding Scale |
| DCM | 125224 | 5 Point Segment Finding Scale |
| DCM | 125225 | 5 Point Segment Finding Scale With Graded Hypokinesis |

**CID 12239 Cardiac Output Properties**

**Context ID 12239**
**Cardiac Output Properties**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| SRT | F-32120 | Stroke Volume |
| SRT | F-32100 | Cardiac Output |
| SRT | F-32110 | Cardiac Index |
| SRT | F-00078 | Stroke Index |



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**CID 12240 Left Ventricle Area**

**Context ID 12240**
**Left Ventricle Area**

**Type: Extensible Version: 20030918**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| SRT | G-0374 | Left Ventricular Systolic Area |
| SRT | G-0375 | Left Ventricular Diastolic Area |
| SRT | G-0376 | Left Ventricular Fractional Area Change |
| SRT | G-0379 | Left Ventricle Epicardial Diastolic Area, psax pap view |

**CID 12241 Tricuspid Valve Finding Sites**

**CID 12241**
**Tricuspid Valve Finding Sites**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-35111 | Tricuspid Annulus |

**CID 12242 Aortic Valve Finding Sites**

**CID 12242**
**Aortic Valve Finding Sites**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-35410 | Aortic Valve Ring |

**CID 12243 Left Ventricle Finding Sites**

**CID 12243**
**Left Ventricle Finding Sites**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| SRT | T-32650 | Left Ventricle Outflow Tract |



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**CID 12244 Congenital Finding Sites**

**CID 12244**
**Congenital Finding Sites**

**Type: Extensible Version: 20040614**

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100 | Code Meaning (0008,0104) |
|---|---|---|
| SRT | D4-31150 | Ventricular Septal Defect |
| SRT | D4-31220 | Atrial Septal Defect |



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# Annex C Acquisition and Protocol Context Templates (Normative)

This Annex specifies the content of Templates for Acquisition and Protocol Context required by DICOM IODs.

## TEMPLATES

### TID 3401 ECG Acquisition Context

**TID 3401**
**ECG Acquisition Context**

| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 1 | CODE | (5.4.5-33-1,SCPECG,1.3, “Electrode Placement”) | 1 | U | | BCID(3263) |
| 2 | CODE | (109054,DCM,”Patient State”) | 1 | U | | BCID(3262) |
| 3 | NUM | (109055,DCM,”Protocol Stage”) | 1 | U | | UNITS=EV(“{stage}”,UCUM, ”stage”) |
| 4 | CODE | (109056,DCM,”Stress Protocol”) | 1 | U | | BCID(3261) |
| 5 | CODE | (5.4.5-33-2,SCPECG,1.3, “XYZ Electrode Configuration”) | 1 | U | | BCID(3264) |

### TID 3403 Catheterization Acquisition Context

**TID 3403**
**Catheterization Acquisition Context**

| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 1 | CODE | (G-72BB,SRT,”Catheterization Procedure Phase”) | 1 | U | | BCID(3250) Catheterization Procedure Phase |
| 2 | CODE | (109058,DCM,”Contrast Phase”) | 1 | U | | BCID(3600) Relative time |
| 3 | CODE | (109059,DCM,”Physiological challenges”) | 1 | U | | BCID(3271) Hemodynamic Physiological Challenges |
| 4 | NUM | (109060,DCM,”Procedure Step Number”) | 1 | U | | UNITS=EV(“{step}”,UCUM, ”step”) |
| 5 | TEXT | EV (121124, DCM, "Procedure Action ID") | 1 | U | | |

Note: See TID 3100 in Annex A for description of Procedure Action ID used in Row 5.

### TID 3450 Cardiac Electrophysiology Acquisition Context

**TID 3450**
**Cardiac Electrophysiology Acquisition Context**

| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 1 | CODE | (109061,DCM,”EP Procedure Phase”) | 1 | U | | BCID(3254) |
| 2 | NUM | (109060,DCM,”Procedure Step Number”) | 1 | U | | UNITS=EV(“{step}”,UCUM, ”step”) |



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| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 3 | TEXT | (109063,DCM,"Pulse train definition") | 1 | U | | |

**TID 3470 NM Acquisition Context**

**TID 3470**
**NM Acquisition Context**

| | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|
| 1 | CODE | (109054, DCM, "Patient State") | 1 | M | | DCID (3101) NM Procedural State Values |

**TID 15100 Contrast Agent/Pre-Medication Protocol Context**

This Template specifies medications to be administered prior to a diagnostic imaging protocol, imaging contrast agents to be used in the protocol, and/or bolus agents to be used in the protocol. Each medication or agent may be modified by a specified route of administration.

**Type: Extensible**

**TID 15100**
**Contrast Agent/Pre-Medication Protocol Context**

| | NL | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|
| 1 | | CODE | EV (123011, DCM, "Contrast/Bolus Agent") | 1-n | U | | BCID 12 |
| 2 | > | CODE | EV (G-C340, SRT, "Route of Administration") | 1 | U | | BCID 11 |
| 3 | | CODE | EV (123012, DCM, "Pre-Medication") | 1-n | U | | |
| 4 | > | CODE | EV (G-C340, SRT, "Route of Administration") | 1 | U | | BCID 11 |

**TID 15101 NM/PET Protocol Context**

**Type: Extensible**

**TID 15101**
**NM/PET Protocol Context**

| | NL | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|
| 1 | | CODE | EV (123001, DCM, "Radiopharmaceutical") | 1 | M | | BCID 25 (NM) or 4021 (PET) |
| 2 | > | CODE | EV (C-B1000, SRT, "Diagnostic Radioisotope) | 1 | U | | BCID 18 (NM) or 4020 (PET) |
| 3 | > | DATETIME | EV (123003, DCM, "Radiopharmaceutical Start Time") | 1 | U | | |
| 4 | > | DATETIME | EV (123004, DCM, "Radiopharmaceutical Stop Time") | 1 | U | | |



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| | NL | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|
| 5 | > | NUMERIC | EV (123005, DCM, “Radiopharmaceutical Volume”) | 1 | U | | Units = DT(cm3, UCUM, “cm3”) |
| 6 | > | NUMERIC | EV (123006, DCM, “Radionuclide Total Dose”) | 1 | U | | Units = DT(Bq, UCUM, “Bq”) |
| 7 | > | NUMERIC | EV (123007, DCM, “Radiopharmaceutical Specific Activity”) | 1 | U | | Units = DT(Bq/mol, UCUM, “Bq/mol”) |
| 8 | > | CODE | EV (G-C340, SRT, “Route of Administration”) | 1 | U | | BCID 11 |
| 9 | > | NUMERIC | EV (123009, DCM, “Radionuclide Syringe Counts”) | 1 | U | | Units = DT({counts}/s, UCUM “counts/s”) |
| 10 | > | NUMERIC | EV (123010, DCM, “Radionuclide Residual Syringe Counts”) | 1 | U | | Units = DT({counts}/s, UCUM “counts/s”) |

**TID 15200 JJ1017 Protocol Context**

This Template defines protocol context concepts to support the requirements of Japanese Guideline JJ1017. This is expected to be used with Scheduled or Performed Protocol Codes from Coding Scheme JJ1017-16M defined in Guideline JJ1017.

**Type: Extensible**

**TID 15200**
**JJ1017 Protocol Context**

| | NL | VT | Concept Name | VM | Req Type | Condition | Value Set Constraint |
|---|---|---|---|---|---|---|---|
| 1 | | CODE | EV (123016, DCM, “Imaging Conditions”) | 1 | M | | Baseline terms from Coding Scheme JJ1017-16S of JJ1017 version 3.0 |



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## Annex D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

**DICOM Code Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")**

| Code Value | Code Meaning | Definition | Notes |
|---|---|---|---|
| 109001 | Digital timecode (NOS) | A signal transmitted for the purpose of interchange of the current time, not specific to any source or methodology. | |
| 109002 | ECG-based gating signal, processed | A signal which is generated for each detection of a heart beat | |
| 109003 | IRIG-B timecode | A signal transmitted by the Inter-Range Instrumentation Group for the purpose of synchronizing time clocks. | |
| 109004 | X-ray Fluoroscopy On Signal | A signal which indicates that X-ray source has been activated for fluoroscopy use. | |
| 109005 | X-ray On Trigger | A signal that indicated that the X-ray source has been activated for image recording. | |
| 109006 | Differential signal | An electrical signal derived from two electrodes | |
| 109007 | His bundle electrogram | An electrophysiological recording from the HIS nerve bundle | |
| 109008 | Monopole signal | An electrical signal from one electrode relative to an indifferent potential. | |
| 109009 | Pacing (electrical) stimulus, voltage | The voltage stimulus during cardiac pacing | |
| 109010 | Radio frequency ablation, power | The power injected during RF ablation procedure | |
| 109011 | Voltage measurement by basket catheter | Electrophysiological signals acquired using a multi-splined catheter each equipped with multiple electrodes. | |
| 109012 | Voltage measurement by mapping catheter | Electrophysiological signals acquired using a steerable catheter | |
| 109013 | Voltage measurement, NOS | A voltage measurement not otherwise specified | |
| 109014 | 35% of thermal CO | A signal point which is 35% of the peak thermal cardiac output | |



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| | | | |
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| | | signal | |
| 109015 | 70% of thermal CO | A signal point which is 70% of the peak thermal cardiac output signal | |
| 109016 | A wave peak pressure | The peak pressure of each heart beat in the atrium caused by the atrial contraction | |
| 109017 | A wave pressure, average | The average of several A wave pressure measurements | |
| 109018 | Beat detected (accepted) | An identified cardiac beat used in the determination of a measurement | |
| 109019 | Beat detected (rejected) | An identified cardiac beat not used in the determination of a measurement | |
| *109020* | *Diastolic pressure, average* | *The average of several diastolic pressure measurements* | *Retired. Replaced with (F-00E22, SRT, "Average diastolic blood pressure")* |
| *109021* | *Diastolic pressure nadir* | *The lowest pressure value excluding any undershoot artifact.* | *Retired. Replaced with (F-00E1F, SRT, "Minimum diastolic blood pressure")* |
| *109022* | *End diastole* | *The moment at the end of the diastolic phase of the cardiac cycle.* | *Retired. Replaced with (F-32011, SRT, "End diastole")* |
| 109023 | End of expiration | The moment at the end of respiratory expiration | |
| 109024 | End of inspiration | The moment at the end of respiratory inspiration | |
| 109025 | Max dp/dt | The maximum positive rate of change of pressure. | |
| 109026 | Max neg dp/dt | The maximum negative rate of change of pressure. | |
| *109027* | *Mean blood pressure* | *The average blood pressure value, generally over 2 or more seconds* | *Retired. Replaced with (F-31150, SRT, "Mean blood pressure")* |
| 109028 | Peak of thermal cardiac output bolus | The peak change in blood temperature during a thermal cardiac output measurement. | |
| 109029 | Start of expiration | The moment respiratory expiration begins | |
| 109030 | Start of inspiration | The moment of respiratory inspiration begins | |
| 109031 | Start of thermal cardiac output bolus | The first discernable blood temperature change following the injectate during a thermal cardiac output measurement | |
| *109032* | *Systolic pressure, average* | *The average of several systolic blood pressure measurements.* | *Retired. Replaced with (F-00E14, SRT, "Average systolic blood pressure")* |



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| *109033* | *Systolic peak pressure* | *The highest systolic blood pressure value excluding any overshoot artifact* | *Retired. Replaced with (F-00E11, SRT, "Maximum systolic blood pressure")* |
| 109034 | V wave peak pressure | The peak pressure of each heart beat in the atrium caused by the filling of the atrium. | |
| 109035 | V wave pressure, average | The average of several V wave pressure measurements | |
| 109036 | Valve close | The moment at which a heart valve closes | |
| 109037 | Valve open | The moment at which a heart valve opens | |
| 109038 | Ablation off | The moment when RF ablation current is turned off. | |
| 109039 | Ablation on | The moment when RF ablation current is turned on | |
| 109040 | HIS bundle wave | The moment in the cardiac cycle when the HIS bundle nerves depolarize. | |
| 109041 | P wave | The surface electrocardiogram of the atrial contraction | |
| 109042 | Q wave | The first negative deflection of the electrocardiogram cause by ventricular depolarization | |
| 109043 | R wave | The first positive deflection the electrocardiogram cause by ventricular depolarization | |
| 109044 | S wave | The first negative deflection after the R wave. | |
| 109045 | Start of atrial contraction | The beginning of the atrial contraction | |
| 109046 | Start of atrial contraction (subsequent) | The beginning of the second atrial contraction of two consecutive beats. | |
| 109047 | Stimulation at rate 1 interval | The stimulation interval during cardiac stimulation first used in a pacing train | |
| 109048 | Stimulation at rate 2 interval | The stimulation interval different from the first stimulation interval used in a pacing train | |
| 109049 | Stimulation at rate 3 interval | A stimulation interval different from and subsequent to the second interval in a pacing train. | |
| 109050 | Stimulation at rate 4 interval | Describes a stimulation interval different from and subsequent to the third interval in a pacing train | |
| 109051 | T wave | The electrocardiogram deflection caused by ventricular repolarization. | |



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| 109052 | V wave | The peak pressure of each heart beat monitored in the atrium caused by the filling of the atrium | |
| 109053 | V wave of next beat | The second V wave measurement of two consecutive beats. | |
| 109054 | Patient State | A description of the physiological condition of the patient | |
| 109055 | Protocol Stage | The exercise level during a progressive cardiac stress test. | |
| 109056 | Stress Protocol | A series of physiological challenges designed to progressively increase the work of the heart. | |
| *109057* | *Catheterization Procedure Phase* | *A subpart of a cardiac catheterization procedure* | *Retired. Replaced with (G 72BB, SRT, "Catheterization Procedure Phase")* |
| 109058 | Contrast Phase | The subpart of a cardiac catheterization procedure in which a radio-opaque contrast medium is injected into the patient. | |
| 109059 | Physiological challenges | Physical changes administered to a patient in order to elicit an physiological response | |
| 109060 | Procedure Step Number | Enumeration of a subpart of a catheterization procedure | |
| 109061 | EP Procedure Phase | A subpart of en electrophysiological procedure | |
| 109063 | Pulse train definition | A means of defining a series of cardiac stimulation pulses | |
| 109070 | End of systole | | |
| 109071 | Indicator mean transit time | Time for a median particle to travel from point of injection to point of detection | |
| 109072 | Tau | The time constant of isovolumic pressure fall | |
| 109073 | V max myocardial | Maximum velocity of myocardial contractility | |
| 109091 | Cardiac Stress State | Imaging after injection of tracer during increased cardiac workload or increased myocardial blood flow, achieved by either exercise or pharmacologic means. | |
| 109092 | Reinjection State | Imaging after injection of additional tracer under resting conditions. | |
| 109093 | Redistribution State | Imaging after allowing a | |



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| | | moderate amount of time for tracer to move from its initial sites of uptake.<br>Example: For Thallium imaging this would correspond to imaging 2-6 hours after injection. | |
| 109094 | Delayed Redistribution State | Imaging after allowing an extended amount of time for tracer to move from its initial sites of uptake.<br>Example: For Thallium imaging this would correspond to imaging more than 6 hours after injection. | |
| 109101 | Acquisition Equipment | Equipment that originally acquired the data stored within composite instances. For example, a CT, MR or Ultrasound modality. | |
| 109102 | Processing Equipment | Equipment that has processed composite instances to create new composite instances. For example, a 3D Workstation. | |
| 109103 | Modifying Equipment | Equipment that has modified existing composite instances (without creating new composite instances). For example, a QA Station or Archive. | |
| 109110 | Voice | The sound of a human's speech, recorded during a procedure. | May include the patient's voice, or the voice of staff present in the room, or an operator's voice (whether for the purpose of recording a narrative accompanying a procedure or not). |
| 109111 | Operator's narrative | The voice of a device operator, recorded during a procedure. | |
| 109112 | Ambient room environment | The ambient sound recorded during a procedure, which may or may not include voice and other types of sound. | |
| 109113 | Doppler audio | The Doppler waveform recorded as an audible signal. | |
| 109114 | Phonocardiogram | The sound of the human heart beating. | Such as might be recorded from an electronic stethoscope. |
| 109115 | Physiological audio signal | Any sound made by the human body. | May include the sound of the heart, but also sound from other organs, such as bowel sounds or bruits from vessels, or sounds of respiration. Not intended |



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| | | | to include voice. |
| 109120 | On admission to unit | The occasion on which a procedure was performed on admission to a specialist unit (e.g., intensive care). | |
| 109121 | On discharge | The occasion on which a procedure was performed on discharge from hospital as an in-patient. | |
| 109122 | On discharge from unit | The occasion on which a procedure was performed on discharge from a specialist unit (e.g., intensive care). | |
| 109123 | Pre-intervention | The occasion on which a procedure was performed immediately prior to non-surgical intervention (e.g, percutaneous angioplasty, biopsy). | |
| 109124 | Post-intervention | The occasion on which a procedure was performed immediately after to non-surgical intervention (e.g, percutaneous angioplasty, biopsy). | |
| 109125 | At last appointment | The occasion on which a procedure was performed at the most recent outpatient visit. | |
| 109200 | America Kennel Club | America Kennel Club | |
| 109201 | America's Pet Registry Inc. | America's Pet Registry Inc. | |
| 109202 | American Canine Association | American Canine Association | |
| 109203 | American Purebred Registry | American Purebred Registry | |
| 109204 | American Rare Breed Association | American Rare Breed Association | |
| 109205 | Animal Registry Unlimited | Animal Registry Unlimited | |
| 109206 | Animal Research Foundation | Animal Research Foundation | |
| 109207 | Canadian Border Collie Association | Canadian Border Collie Association | |
| 109208 | Canadian Kennel Club | Canadian Kennel Club | |
| 109209 | Canadian Livestock Records Association | Canadian Livestock Records Association | |
| 109210 | Canine Federation of Canada | Canine Federation of Canada | |
| 109211 | Continental Kennel Club | Continental Kennel Club | |



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| 109212 | Dog Registry of America | Dog Registry of America | |
| 109213 | Federation of International Canines | Federation of International Canines | |
| 109214 | International Progressive Dog Breeders' Alliance | International Progressive Dog Breeders' Alliance | |
| 109215 | National Kennel Club | National Kennel Club | |
| 109216 | North American Purebred Dog Registry | North American Purebred Dog Registry | |
| 109217 | United All Breed Registry | United All Breed Registry | |
| 109218 | United Kennel Club | United Kennel Club | |
| 109219 | Universal Kennel Club International | Universal Kennel Club International | |
| 109220 | Working Canine Association of Canada | Working Canine Association of Canada | |
| 109221 | World Kennel Club | World Kennel Club | |
| 109222 | World Wide Kennel Club | World Wide Kennel Club | |
| 110020 | Sheet Film Digitized | Digitization of Sheet Film | |
| 110021 | Cine Film Digitized | Digitization of Cine Film | |
| 110022 | Video Tape Digitized | Digitization of Video Tape | |
| 110023 | Paper Digitized | Digitization of pages of a paper document (Units may be specified as Pages, Documents) | |
| 110024 | CD Imported | Importation of CD | |
| 110025 | DVD Imported | Importation of DVD | |
| 110026 | MOD Imported | Importation of MOD | |
| 110027 | Studies Imported | Importation of DICOM Studies | |
| 110028 | Instances Imported | Importation of DICOM Composite Instances | |
| 110500 | Doctor cancelled procedure | Procedure order cancelled by requesting physician or other authorized physician | |
| 110501 | Equipment failure | Equipment failure prevented completion of procedure | |
| 110502 | Incorrect procedure ordered | Procedure discontinued due to incorrect procedure being ordered | |
| 110503 | Patient allergic to media/contrast | Procedure discontinued due to patient allergy to media/contrast (reported or reaction) | |
| 110504 | Patient died | Procedure discontinued due to death of Patient | |



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| 110505 | Patient refused to continue procedure | Procedure discontinued due to patient refusal to continue procedure | |
| 110506 | Patient taken for treatment or surgery | Procedure discontinued due to patient being taken for treatment or surgery | |
| 110507 | Patient did not arrive | Patient did not arrive for procedure | |
| 110508 | Patient pregnant | Procedure discontinued due to patient pregnancy (reported or determined) | |
| 110509 | Change of procedure for correct charging | Procedure discontinued to restart with new procedure code for correct charging | |
| 110510 | Duplicate order | Procedure discontinued due to duplicate orders received for same procedure | |
| 110511 | Nursing unit cancel | Procedure order cancelled by nursing unit | |
| 110512 | Incorrect side ordered | Procedure discontinued due to incorrect side (laterality) being ordered | |
| 110513 | Discontinued for unspecified reason | Procedure discontinued for unspecified reason | |
| 110514 | Incorrect worklist entry selected | Procedure discontinued due to incorrect patient or procedure step selected from modality worklist | |
| 110515 | Patient condition prevented continuing | Patient condition prevented continuation of procedure | |
| 110516 | Equipment change | Procedure step is discontinued to change to other equipment or modality | |
| 110521 | Objects incorrectly formatted | One or more of the objects is malformed. | |
| 110522 | Object Types not supported | Receiving System is unable to accept the object type. | |
| 110523 | Object Set incomplete | One or more objects associated with the object set is missing. | |
| 110524 | Media Failure | The contents of the Media could not be accessed properly. | |
| 110001 | Image Processing | Image processing work item | |
| 110002 | Quality Control | Quality control work item | |
| 110003 | Computer Aided Diagnosis | Computer aided diagnosis work item | |
| 110004 | Computer Aided Detection | Computer aided detection work item | |
| 110005 | Interpretation | Interpretation work item | |



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| 110006 | Transcription | Transcription work item | |
| 110007 | Report Verification | Report verification work item | |
| 110008 | Print | Print work item | |
| 110009 | No subsequent Workitems | | |
| 110010 | Film | Film type of output | |
| 110011 | Dictation | Dictation type of output | |
| 110012 | Transcription | Transcription type of output | |
| 110013 | Media Import | The procedure to read DICOM instances from DICOM interchange media, coerce identifying attributes into the local namespace if necessary, and make the instances available. | |
| 111001 | Algorithm Name | The name assigned by a manufacturer to a specific software algorithm | |
| 111002 | Algorithm Parameters | The input parameters used by a manufacturer to configure the behavior of a specific software algorithm | |
| 111003 | Algorithm Version | The software version identifier assigned by a manufacturer to a specific software algorithm | |
| 111004 | Analysis Performed | The type of correlation applied to detection results (e.g., temporal, spatial) | |
| 111005 | Assessment Category | Assignment of intermediate or overall interpretation results to a general category | |
| *111006* | *Breast composition* | *Assessment of annotating tissues in breast; generally including fatty, mixed or dense* | *Retired. Replaced with (F-01710, SRT 1.1, "Breast composition").* |
| 111007 | Breast Outline including Pectoral Muscle Tissue | Purpose of reference for an SCOORD content item that is an outline of the breast that includes the pectoral muscle tissue | Purpose of Reference for content item of value type COMPOSITE or SCOORD |
| 111008 | Calcification Distribution | The type of distribution associated with detected calcifications | |
| 111009 | Calcification Type | Identification of the morphology of detected calcifications | |
| 111010 | Center | Purpose of reference for an SCOORD content item that identifies the central point of a finding or feature | Purpose of Reference for content item of value type COMPOSITE or SCOORD |
| 111011 | Certainty of Feature | The likelihood that the feature | |



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| | | analyzed is in fact the type of feature identified. | |
| 111012 | Certainty of Finding | The likelihood that the finding detected is in fact the type of finding identified. | |
| 111013 | Certainty of Impression | The certainty that a device places on an impression, where 0 equals no certainty and 100 equals certainty. | |
| 111014 | Clockface or region | A location identifier based on clockface numbering or anatomic subregion | |
| 111015 | Composite Feature | An item that is an inferred correlation relating two or more individual findings or features | |
| 111016 | Composite type | The inferred relationship between the findings or features making up a composite feature | |
| 111017 | CAD Processing and Findings Summary | General assessment of whether or not CAD processing was successful, and whether any findings resulted | |
| 111018 | Content Date | The date the data creation started | |
| 111019 | Content Time | The time the data creation started | |
| 111020 | Depth | A location identifier based on a feature's inferred distance from the surface of the associated anatomy | |
| 111021 | Description of Change | A textual description of the change that occurred over time in a qualitative characteristic of a feature | |
| 111022 | Detection Performed | The type of finding sought after by a specific algorithm applied to one image | |
| 111023 | Differential Diagnosis/Impression | A general change that occurred within an imaged area between a prior imaging procedure and the current imaging procedure | |
| 111024 | Failed Analyses | A group of analysis algorithms that were attempted, but failed | |
| 111025 | Failed Detections | A group of detection algorithms that were attempted, but failed | |
| 111026 | Horizontal Pixel Spacing | For projection radiography, the horizontal physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, | |



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| | | the horizontal physical distance in the patient between the center of each pixel. | |
| 111027 | Image Laterality | Laterality of (possibly paired) body part contained in an image | |
| 111028 | Image Library | A container that references all image data used as evidence to produce a report | |
| 111029 | Image Quality Rating | A numeric value in the range 0 to 100, inclusive, where 0 is worst quality and 100 is best quality. | |
| 111030 | Image Region | Purpose of reference for an SCOORD content item that identifies a specific region of interest within an image | Purpose of Reference for content item of value type COMPOSITE or SCOORD |
| 111031 | Image View | The projection of the anatomic region of interest on an image receptor. | |
| 111032 | Image View Modifier | Modifier for Image View | |
| 111033 | Impression Description | Free-form text describing the overall or an individual impression | |
| 111034 | Individual Impression/Recommendation | A container for a group of related results from interpretation of one or more images and associated clinical information | |
| 111035 | Lesion Density | The x-ray attenuation of a lesion relative to the expected attenuation of an equal volume of fibroglandular breast tissue | |
| 111036 | Mammography CAD Report | A structured report containing the results of computer-aided detection or diagnosis applied to breast imaging and associated clinical information | |
| 111037 | Margins | The characteristic of the boundary, edges or border of a detected lesion | |
| 111038 | Number of calcifications | The quantity of calcifications detected within an identified group or cluster | |
| 111039 | Object type | A non-lesion object identified within one or more images | |
| 111040 | Original Source | Purpose of reference for a COMPOSITE content item that identifies it as the original source of evidence for another content item in the report | Purpose of Reference for content item of value type COMPOSITE or SCOORD |
| 111041 | Outline | Purpose of reference for an SCOORD content item that | Purpose of Reference for content item of value type |



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| | | identifies the outline or bounding region of a finding or feature | COMPOSITE or SCOORD |
| 111042 | Pathology | The inferred type of disease associated with an identified feature | |
| 111043 | Patient Orientation Column | The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive column axis (top to bottom) | |
| 111044 | Patient Orientation Row | The patient orientation relative to the image plane, specified by a value that designates the anatomical direction of the positive row axis (left to right) | |
| 111045 | Pectoral Muscle Outline | Purpose of reference for an SCOORD content item that is an outline of the pectoral muscle tissue only | Purpose of Reference for content item of value type COMPOSITE or SCOORD |
| 111046 | Percent Glandular Tissue | Percent of breast area that is mammographically dense. | |
| 111047 | Probability of cancer | The likelihood that an identified finding or feature is cancerous | |
| 111048 | Quadrant location | A location identifier based on the division of an area into four regions | |
| 111049 | Qualitative Difference | A qualitative characteristic of a feature that has changed over time | |
| 111050 | Quality Assessment | The effect of the quality of an image on its usability | |
| 111051 | Quality Control Standard | The quality control standard used to make a quality assessment | |
| 111052 | Quality Finding | A specific quality related deficiency detected within an image | |
| 111053 | Recommended Follow-up | Recommended type of follow-up to an imaging procedure, based on interpreted results | |
| 111054 | Recommended Follow-up Date | Recommended follow-up date to an imaging procedure, based on interpreted results | |
| 111055 | Recommended Follow-up Interval | Recommended follow-up interval to an imaging procedure, based on interpreted results | |
| 111056 | Rendering Intent | The recommendation of the producer of a content item regarding presentation of the content item by recipients of the | |



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| | | report | |
| 111057 | Scope of Feature | An indication of how widespread the detection of a feature is within the analyzed image data set | |
| 111058 | Selected Region Description | A textual description of the contents of a selected region identified within an image | |
| 111059 | Single Image Finding | An item that was detected on one image | |
| 111060 | Study Date | Date on which the acquisition of the study information was started | |
| 111061 | Study Time | Time at which the acquisition of the study information was started | |
| 111062 | Successful Analyses | A group of analysis algorithms that were attempted and completed successfully | |
| 111063 | Successful Detections | A group of detection algorithms that were attempted and completed successfully | |
| 111064 | Summary of Detections | An overall indication of whether the CAD detection algorithms applied were completed successfully | |
| 111065 | Summary of Analyses | An overall indication of whether the CAD analysis algorithms applied were completed successfully | |
| 111066 | Vertical Pixel Spacing | For projection radiography, the vertical physical distance measured at the front plane of an Image Receptor housing between the center of each pixel. For tomographic images, the vertical physical distance in the patient between the center of each pixel. | |
| 111071 | CAD Operating Point | One of a number of discrete points on the Receiver-Operator Characteristics (ROC) curve that reflects the expected sensitivity and specificity of a CAD algorithm, where zero indicates the highest specificity, lowest sensitivity operating point. The value should not exceed the Maximum CAD Operating Point. | |
| 111072 | Maximum CAD Operating Point | The maximum value of CAD Operating Point for the specific CAD algorithm used. | |



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| 111081 | CAD Operating Point Description | The intended interpretation of a CAD Operating Point. | |
| 111086 | False Markers per Image | The number of false CAD markers per image. | |
| 111087 | False Markers per Case | The number of false markers per collection of images that are CAD processed as a group. | |
| 111088 | Case Sensitivity | The percentage of cancers that should be detected by a CAD algorithm where CAD marks the cancers in at least one view. | |
| 111089 | Lesion Sensitivity | The percentage of cancers that should be detected by a CAD algorithm where CAD marks the cancers in each view. | |
| 111090 | Case Specificity | The percentage of cases (collections of images CAD processed as a group) without cancer that have no CAD findings whatsoever. | |
| 111091 | Image Specificity | The percentage of images without cancer that have no CAD findings whatsoever. | |
| 111092 | Recommended CAD Operating Point | The CAD operating point that is recommended for initial display by the creator of the structured report. | |
| 111093 | CAD Operating Point Table | A list of CAD operating points including their corresponding characteristics. | |
| 111099 | Selected region | A specific area of interest noted within an image | |
| 111100 | Breast geometry | The surface shape of all or a portion of breast related anatomy | |
| 111101 | Image Quality | Image quality incorporates the following clinical image evaluation parameters: assessment of positioning, compression, artifacts, exposure, contrast, sharpness, and labeling | |
| 111102 | Non-lesion | A finding or feature that is identified as a non-anatomic foreign object | |
| *111103* | *Density* | *A space-occupying lesion identified in a single image or projection* | *Retired. Replaced with (F-01796, SRT 1.1, "Mammography breast density").* |
| *111104* | *Individual Calcification* | *A single identified calcification* | *Retired. Replaced with (F-01776, SRT 1.1,* |



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| | | | *"Individual Calcification").* |
| *111105* | *Calcification Cluster* | *Multiple calcifications identified as occupying a small area of tissue (less than 2 cc)* | *Retired. Replaced with (F-01775, SRT 1.1, "Calcification Cluster").* |
| 111111 | Cooper's ligament changes | Straightening or thickening of Cooper's ligaments | |
| 111112 | Mass in the skin | An abnormality noted at imaging within the dermis of the breast | |
| 111113 | Mass on the skin | An abnormality noted at imaging on the epidermis of the breast | |
| 111120 | Post Procedure Mammograms for Marker Placement | An assessment category to indicate that images have been acquired to assess marker placement following a breast interventional procedure | |
| 111121 | Follow-up post biopsy as directed by clinician | An indication that the patient should seek post procedural follow-up directives from a clinical health care provider. | |
| 111122 | Known biopsy proven malignancy – take appropriate action | A recommendation on a patient with known cancer to take steps appropriate to the diagnosis. | |
| 111123 | Clip placement | Positioning of a radiopaque marker. | |
| 111124 | Personal history of breast cancer with mastectomy | Patient has previous diagnosis of breast cancer resulting in mastectomy. | |
| 111125 | Known biopsy proven malignancy | Patient has had biopsy containing proven malignancy. | |
| 111126 | Image detected mass | Patient has a finding of mass reported on a prior imaging exam. | |
| 111127 | Targeted | A breast imaging procedure performed on a specific area of the breast. | |
| 111128 | Survey | A breast imaging procedure performed on the entire breast. | |
| 111129 | Clustered microcysts | A cluster of tiny anechoic foci each smaller than 2-3 mm in diameter with thin (less than 0.5 mm) intervening septations and no discrete solid components | |
| 111130 | Complicated cyst | A fluid filled mass most commonly characterized by homogeneous low-level internal echoes on ultrasound | |
| 111135 | Additional projections | Views not inclusive of MLO and CC (BI-RADS® ) | |
| 111136 | Spot magnification view(s) | A spot or coned down compression of the breast | |



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| | | providing a reduction in the thickness and a magnification of the localized area of interest and improved separation of breast tissue | |
| *111137* | *Ultrasound* | | *Retired. Replaced with (P5-B0099, SRT 1.1, "Ultrasound procedure").* |
| 111138 | Old films for comparison | Obtain previous mammography studies to compare to present study | |
| *111139* | *Ductography* | *A medical procedure used for the sampling of mammary duct tissue* | *Retired. Replaced with (P5-40060, SRT 1.1, "Mammary ductogram").* |
| 111140 | Normal interval follow-up | Follow up study at 12 months for women ≥ 40 years of age having a prior negative study and no mitigating risk factors for breast cancer | |
| 111141 | Any decision to biopsy should be based on clinical assessment | Any decision to perform tissue acquisition should be based on clinical assessment | |
| 111142 | Follow-up at short interval (1-11 months) | Follow-up at short interval (1-11 months) | |
| 111143 | Biopsy should be considered | Tissue acquisition should be considered | |
| 111144 | Needle localization and biopsy | Breast tissue acquisition following the identification of an area of concern with the placement of a needle or needle-wire assembly | |
| 111145 | Histology using core biopsy | Pathologic analysis of breast tissue and lesions using core tissue samples | |
| 111146 | Suggestive of malignancy – take appropriate action | Lesions that do not have the characteristic morphologies of breast cancer but have a definite probability of being malignant. There is a sufficient concern to urge a biopsy. | |
| 111147 | Cytologic analysis | Cellular analysis of specimen | |
| 111148 | Biopsy should be strongly considered | Tissue acquisition should be strongly considered | |
| 111149 | Highly suggestive of malignancy – take appropriate action | Lesions have a high probability of being cancer, which require additional action. | |
| 111150 | Presentation Required: Rendering device is expected to | The producer of a report intends for a recipient of the report to present or display the associated | |



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| | present | content item | |
| 111151 | Presentation Optional: Rendering device may present | The producer of a report considers the presentation or display of the associated content item by a recipient to be optional | |
| 111152 | Not for Presentation: Rendering device expected not to present | The producer of a report intends for a recipient of the report NOT to present or display the associated content item | |
| 111153 | Target content items are related temporally | The associated content items are identfied as being the same finding or feature at different points in time | |
| 111154 | Target content items are related spatially | The associated content items are identified as being the same finding or feature on different projections taken at the same point in time | |
| 111155 | Target content items are related contra-laterally | The associated content items are identified as being related side-to-side | |
| 111156 | Feature detected on the only image | There is one image in the interpreted data set | |
| 111157 | Feature detected on only one of the images | There is more than one image of the same modality in the interpreted data set | |
| 111158 | Feature detected on multiple images | There is more than one image of the same modality in the interpreted data set | |
| 111159 | Feature detected on images from multiple modalities | The interpreted data set contains images from multiple modalities | |
| *111168* | *Scar tissue* | *The fibrous tissue replacing normal tissues destroyed by disease or injury* | *Retired. Replaced with (M-78060, SNM3, "Scar tissue").* |
| *111170* | *J Wire* | *A medical appliance used for localization of non palpable breast lesions to insure that the proper area is removed in a surgical biopsy* | *Retired. Replaced with (A-1016B, SNM3, "J Wire").* |
| *111171* | *Pacemaker* | *A medical appliance used for regulating cardiac rhythms* | *Retired. Replaced with (A-11101, SNM3, "Pacemaker").* |
| *111172* | *Paddle* | *A compression device used for obtaining mammographic images* | *Retired. Replaced with (A-10042, SNM3, "Compression paddle").* |
| *111173* | *Collimator* | *A device used for restricting an X-Ray beam* | *Retired. Replaced with (A-10044, SNM3, "Collimator").* |
| *111174* | *ID Plate* | *An area designated on a radiographic film for facility and* | *Retired. Replaced with (A-16016, SNM3, "ID Plate").* |



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| | | *patient ID information* | |
| 111175 | Other Marker | Site specific markers | |
| 111176 | Unspecified | The value of the concept is not specified | |
| 111177 | View and Laterality Marker is missing | Image quality deficiency according to MQSA | |
| 111178 | View and Laterality Marker does not have both view and laterality | Image quality deficiency according to MQCM | |
| 111179 | View and Laterality Marker does not have approved codes | Image quality deficiency according to MQCM | |
| 111180 | View and Laterality Marker is not near the axilla | Image quality deficiency according to MQCM | |
| 111181 | View and Laterality Marker overlaps breast tissue | Image quality deficiency according to MQCM | |
| 111182 | View and Laterality Marker is partially obscured | Image quality deficiency according to MQCM | |
| 111183 | View and Laterality Marker is incorrect | Image quality deficiency | |
| 111184 | View and Laterality Marker is off image | Image quality deficiency | |
| 111185 | Flash is not near edge of film | Image quality deficiency according to MQCM | |
| 111186 | Flash is illegible, does not fit, or is lopsided | Image quality deficiency according to MQSA | |
| 111187 | Flash doesn't include patient name and additional patient id | Image quality deficiency according to MQCM | |
| 111188 | Flash doesn't include date of examination | Image quality deficiency according to MQCM | |
| 111189 | Flash doesn't include facility name and location | Image quality deficiency according to MQSA | |
| 111190 | Flash doesn't include technologist identification | Image quality deficiency according to MQCM | |
| 111191 | Flash doesn't include cassette/screen/detector identification | Image quality deficiency according to MQCM | |
| 111192 | Flash doesn't include mammography unit identification | Image quality deficiency according to MQCM | |
| 111193 | Date sticker is | Image quality deficiency | |



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| | missing | according to MQCM | |
| 111194 | Technical factors missing | Image quality deficiency according to MQCM | |
| 111195 | Collimation too close to breast | Image quality deficiency according to MQCM | |
| 111196 | Inadequate compression | Image quality deficiency according to MQCM | |
| 111197 | MLO Insufficient pectoral muscle | Image quality deficiency according to MQCM | |
| 111198 | MLO No fat is visualized posterior to fibroglandular tissues | Image quality deficiency according to MQCM | |
| 111199 | MLO Poor separation of deep and superficial breast tissues | Image quality deficiency according to MQCM | |
| 111200 | MLO Evidence of motion blur | Image quality deficiency according to MQCM | |
| 111201 | MLO Inframammary fold is not open | Image quality deficiency according to MQCM | |
| 111202 | CC Not all medial tissue visualized | Image quality deficiency according to MQCM | |
| 111203 | CC Nipple not centered on image | Image quality deficiency according to MQCM | |
| 111204 | CC Posterior nipple line does not measure within 1 cm of MLO | Image quality deficiency according to MQCM | |
| 111205 | Nipple not in profile | Image quality deficiency | |
| 111206 | Insufficient implant displacement incorrect | Image quality deficiency according to MQCM | |
| 111208 | Grid artifact(s) | Feature(s) arising from the acquisition unit's anti-scatter grid mechanism. For two-dimensional systems, such features include those of mechanically damaged or incorrectly positioned grids. For moving or Bucky grids, artifacts may result from intentional grid motion that is inadequate in duration or velocity uniformity. | |
| 111209 | Positioning | Inadequate arrangement of the anatomy of interest with respect to the X-ray field and image detector sensitive area. Examples: 1) positioning is | |



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| | | "cutoff" when the projection of anatomy of interest falls outside the sensitive area of the detector; 2) "cone cut", in which the X-ray field does not adequately cover the anatomy of interest; 3) detector's sensitive surface is too small to cover the projection of the anatomy of interest; 4) improper angular orientation or "rotation" of anatomy of interest with respect to the X-ray source, or detector; 5) projection of other anatomy or clothing over the anatomy of interest in the image. | |
| 111210 | Motion blur | Unacceptable image blur resulting from motion of the anatomy of interest during exposure or the inadequately compensated motion of X-ray source with respect to the image detector during exposure. | |
| 111211 | Under exposed | Inadequate number of quanta reached the detector during exposure. Reasons for under exposed images include low kVp, low mAs product, excess Source Image Distance. Under exposed images have inadequate signal and higher noise in the areas of interest. | |
| 111212 | Over exposed | An excess number of quanta reached the detector during exposure. Reasons for over exposed images include high kVp, high mAs product, short Source Image Distance. Over exposed images have high signal and lower noise in the areas of interest. Over exposed area may demonstrate lack of contrast from over saturation of the detector. | |
| 111213 | No image | No evidence of a patient exposure. | |
| 111214 | Detector artifact(s) | Superposed features or flaws of the detector. | |
| 111215 | Artifact(s) other than grid or detector artifact | Features or discontinuities arising from causes other than the anti-scatter grid and image detector. | |
| 111216 | Mechanical failure | Failure of the device to operate according to mechanical design | |



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| | | specifications. | |
| 111217 | Electrical failure | Failure of a device to operate according to electrical design specifications | |
| 111218 | Software failure | Attributable to software used in generation or handling of image | |
| 111219 | Inappropriate image processing | Images processed inappropriately, not following appropriate protocol | |
| 111220 | Other failure | Failure that is not mechanical or electrical or otherwise described | |
| 111221 | Unknown failure | Unidentified or unknown cause of failure | |
| 111222 | Succeeded | The attempted process was completely successful | |
| 111223 | Partially Succeeded | The attempted process succeeded in some ways, but failed in others | |
| 111224 | Failed | The attempted process completely failed | |
| 111225 | Not Attempted | No process was performed | |
| 111233 | Individual Impression / Recommendation Analysis | Analysis of a related group of findings or features detected during image data inspection, to produce a summary impression and/or recommendation | |
| 111234 | Overall Impression / Recommendation Analysis | Analysis of all groups of findings or features, to produce a single impression and/or recommendation | |
| 111235 | Unusable — Quality renders image unusable | The usability of an image for diagnostic interpretation or CAD, based on a quality control standard | |
| 111236 | Usable — Does not meet the quality control standard | The usability of an image for diagnostic interpretation or CAD, based on a quality control standard | |
| 111237 | Usable — Meets the quality control standard | The usability of an image for diagnostic interpretation or CAD, based on a quality control standard | |
| 111238 | Mammography Quality Control Manual 1999, ACR | An image quality control standard specified by the American College of Radiology | |
| 111239 | Title 21 CFR Section 900, Subpart B | An image quality control standard in the US Code of Federal Regulations | |
| 111240 | Institutionally defined quality control | An image quality control standard specified or adopted by | |



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| | standard | the institution responsible for the document | |
| 111241 | All algorithms succeeded; without findings | No findings resulted upon successful completion of all attempted computer-aided detection and/or analysis | |
| 111242 | All algorithms succeeded; with findings | One or more findings resulted upon successful completion of all attempted computer-aided detection and/or analysis | |
| 111243 | Not all algorithms succeeded; without findings | No findings resulted from the attempted computer-aided detection and/or analysis, but one or more failures occurred in the process | |
| 111244 | Not all algorithms succeeded; with findings | One or more findings resulted from the attempted computer-aided detection and/or analysis, but one or more failures occurred in the process | |
| 111245 | No algorithms succeeded; without findings | All of the attempted computer-aided detection and/or analysis failed, so there could be no findings | |
| *111248* | *Adenolipoma* | *A benign tumor having glandular characteristics but composed of fat, with the presence of normal mammary ducts* | *Retired. Replaced with (M-83240, SNM3, "Adenolipoma").* |
| *111249* | *Ductal hyperplasia* | | *Retired. Replaced with (M-72170, SNM3, "Ductal hyperplasia, Usual").* |
| *111250* | *Adenomyoepithelioma* | *Neoplasms composed of myoepithelial cells* | *Retired. Replaced with (M-89830, SNM3, "Adenomyoepithelioma").* |
| 111251 | Normal axillary node | Axillary node that is normal in appearance with no associated pathology | |
| 111252 | Axillary node with calcifications | Axillary node containing calcifications | |
| 111253 | Axillary node hyperplasia | Excessive proliferation of normal tissue arrangement of the axillary node | |
| *111254* | *Asynchronous involution* | | *Retired. Replaced with (F-8A063, SNM3, "Asynchronous involution of breast").* |
| 111255 | Benign cyst with blood | Cyst with benign morphology containing blood | |
| 111256 | Benign Calcifications | Calcifications having typically benign morphology. They are not of intermediate or high | |



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| | | probability of concern for malignancy. | |
| *111257* | *Intracystic papilloma* | *Growing within a cystic adenoma, filling the cavity with a mass of branching epithelial processes* | *Retired. Replaced with (M-85040, SNM3, "Intracystic papilloma").* |
| 111258 | Ductal adenoma | Adenoma located in mammary duct, present as discrete sclerotic nodules, solitary or mulitple | |
| 111259 | Diabetic fibrous mastopathy | The occurrence of fibrous tumor-forming stromal proliferation in patients with diabetes mellitus | |
| *111260* | *Extra abdomenal desmoid* | *A deep seated firm tumor frequently occurring on the chest consisting of collagenous tissue that infiltrates surround muscle; frequently recurs but does not metastasize* | *Retired. Replaced with (M-88211, SNM3, "Extra abdominal desmoid").* |
| *111262* | *Epidermal inclusion cyst* | *A cyst formed of a mass of epithelial cells, as a result of trauma has been pushed beneath the epidermis. The cyst is lined with squamous epithelium and contains concentric layers or keratin* | *Retired. Replaced with (M-33410, SNM3, "Epidermal inclusion cyst").* |
| 111263 | Fibroadenomatoid hyperplasia | Excessive proliferation of fibroadenoma tissue | |
| 111264 | Fibroadenolipoma | A lipoma with an abundant stroma of fibrous tissue | |
| *111265* | *Foreign body (reaction)* | | *Retired. Replaced with (M-44140, SNM3, "Foreign body (reaction)").* |
| *111269* | *Galactocele* | *Retention cyst caused by occlusion of a lactiferous duct* | *Retired. Replaced with (D7-90364, SNM3, "Galactocele").* |
| *111271* | *Hemangioma – nonparenchymal, subcutaneous* | *A congenital anomaly that leads to a proliferation of blood vessels leading to a mass that resembles a neoplasm, not located in parenchymal areas but subcutaneous* | *Retired. Replaced with (D3-F0620, SNM3, "Hemangioma of subcutaneous tissue").* |
| *111273* | *Hyperplasia, usual* | | *Retired. Replaced with (M-72000, SNM3, "Hyperplasia, usual").* |
| 111277 | Juvenile papillomatosis | A form of fibrocystic disease in young woman with florid and sclerosing adenosis that microscopically may suggest carcinoma | |
| *111278* | *Lactating adenoma* | *Enlarging masses during lactation. A circumscribed* | *Retired. Replaced with (M-82040, SNM3,* |



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| | | *benign tumor composed primarily of glandular structures with scanty stroma, with prominent secretory changes in the duct* | *"Lactating adenoma").* |
| 111279 | Lactational change | Changes related to the process of lactation | |
| 111281 | Large duct papilloma | A papilloma pertaining to large mammary duct | |
| *111283* | *Myofibroblastoma* | *Solitary or multiple tumors of muscles and fibrous tissues, or tumors composed of myofibroblasts* | *Retired. Replaced with (M-88250, SNM3, "Myofibroblastoma").* |
| 111284 | Microglandular adenosis | Irregular clusters of small tubules are present in adipose or fibrous tissue, resembling tubular carcinoma but lacking stromal fibroblastic proliferation | |
| 111285 | Multiple Intraductal Papillomas | Papilloma typically involving an aggregate of adjacent ducts in the periphery of the breast, likely representing involvement of several foci of one or two duct systems | |
| 111286 | No abnormality | No abnormality | |
| 111287 | Normal breast tissue | Normal breast tissue | |
| *111288* | *Neurofibromatosis* | *Condition in which there are tumors of various sizes on peripheral nerves. They may be neuromas or fibromas* | *Retired. Replaced with (M-95401, SNM3, "Neurofibromatosis").* |
| 111290 | Oil cyst (fat necrosis cyst) | A cyst resulting from the loss of the epithelial lining of a sebaceous dermoid or lacteal cyst | |
| 111291 | Post reduction mammoplasty | Breast tissue with characteristics of a benign nature, following breast reduction surgery | |
| 111292 | Pseudoangiomatous stromal hyperplasia | A benign stromal lesion composed of intermixed stromal and epithial elements. The lobular and duct structures of the breast parenchyma are separated by an increased amount of stroma, non specific proliferative epithelial changes include hyperplasia of duct and lobular epithelium often with accentuation of myoepithelial cells and aprocine metaplasia with or without cyst formation | |
| *111293* | *Radial scar* | *An nonencapsulated stellate lesion consisting of a fibroelastic* | *Retired. Replaced with (M-78731, SNM3, "Radial* |



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| | | *core and radiating bands of fibrous connective tissue containing lobules manifesting adenosis and ducts with papillary or diffuse intraductal hyperplasia* | *scar").* |
| *111294* | *Sclerosing adenosis* | *Prominent interductal fibrosis of the terminal ductules* | *Retired. Replaced with (M-74220, SNM3, "Sclerosing adenosis").* |
| 111296 | Silicone granuloma | Nodular inflammatory lesions due to the presence of silicone in the breast tissue | |
| 111297 | Nipple Characteristic | The morphologic status of the nipple | |
| 111298 | Virginal hyperplasia | Spontaneous excessive proliferation of breast tissue, usually found in younger women | |
| 111299 | Peripheral duct papillomas | Papilloma(s) pertaining the peripheral ducts | |
| 111300 | Axillary node with lymphoma | Axillary node with lymphoid tissue neoplasm | |
| 111301 | Axillary nodal metastases | Metastatic disease to the axillary node | |
| *111302* | *Angiosarcoma* | *A malignant neoplasm occurring most often in breast and skin, believed to originate from endothelial cells of blood vessels, microscopically composed of closely packed round or spindle shaped cells, some of which line small spaces resembling vascular clefts* | *Retired. Replaced with (M-91203, SNM3, "Angiosarcoma").* |
| 111303 | Blood vessel (vascular) invasion | Histological changes to the vascular system related to an invasive process | |
| 111304 | Carcinoma in children | Carcinoma of the breast found in patients less than 20 years of age | |
| 111305 | Carcinoma in ectopic breast | A carcinoma found in supernumerary breasts and aberrant breast tissue | |
| 111306 | Carcinoma with endocrine differentiation | A carcinoma that synthesizes substances, including hormones, not considered to be normal products of the breast | |
| 111307 | Basal cell carcinoma of nipple | A basal cell carcinoma that arises in the nipple of the breast | |
| *111308* | *Carcinoma with metaplasia* | | *Retired. Replaced with (M-85733, SNM3, "Carcinoma with metaplasia").* |



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| 111309 | Cartilaginous and osseous change | Tissue changes to bones and cartilage | |
| 111310 | Carcinoma in pregnancy and lactation | Carcinoma of the breast presenting during pregnancy or lactation | |
| *111311* | *Carcinosarcoma* | *A malignant neopalsm that contains elements of carcinoma and sarcoma, so extensively intermixed as to indicate neoplasia of epithelial and mesenchymal tissue* | *Retired. Replaced with (M-89803, SNM3, "Carcinosarcoma").* |
| 111312 | Intraductal comedocarcinoma with necrosis | Comedocarcinoma of a duct with areas of necrotic tissue | |
| 111313 | Intraductal carcinoma, low grade | A non-invasive carcinoma restricted to the glandular lumen characterized by less aggressive malignant cytologic features and behavior | |
| *111314* | *Intraductal carcinoma micro-papillary* | | *Retired. Replaced with (M-85072, SNM3, "Intraductal carcinoma micro-papillary").* |
| 111315 | Intracystic papillary carcinoma | A malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells found in a cyst | |
| 111316 | Invasive and in-situ carcinoma | Carcinoma with both characteristics of localized and spreading disease | |
| *111317* | *Invasive lobular carcinoma* | | *Retired. Replaced with (M-85203, SNM3, "Invasive lobular carcinoma").* |
| 111318 | Leukemic infiltration | Mammary infiltrates as a secondary manifestation in patients with established leukemia | |
| 111320 | Lympathic vessel invasion | Histological changes to the lymphatic system related to an invasive process | |
| *111321* | *Lymphoma* | *A heterogenous group of neoplasms arising in the reticuloendoethelial and lymphatic systems* | *Retired. Replaced with (M-95903, SNM3, "Lymphoma").* |
| 111322 | Occult carcinoma presenting with axillary lymph node metastases | A small carcinoma, either asymptomatic or giving rise to metastases without symptoms due to the primary carcinoma | |



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| | | presenting with metastatic disease in the axillary lymph nodes | |
| 111323 | Metastatic cancer to the breast | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a non-mammary malignant neoplasm | |
| 111324 | Metastatic cancer to the breast from the colon | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the colon | |
| 111325 | Metastatic cancer to the breast from the lung | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the lung | |
| 111326 | Metastatic melanoma to the breast | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a melanoma | |
| 111327 | Metastatic cancer to the breast from the ovary | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the ovary | |
| 111328 | Metastatic sarcoma to the breast | A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a sarcoma | |
| 111329 | Multifocal intraductal carcinoma | Multiple foci of non-invasive carcinoma restricted to the glandular lumen | |
| 111330 | Metastatic disease to axillary node | A malignant lesion in an axillary node arising from a non-axillary neoplasm | |
| *111331* | *Malignant fibrous histiocytoma* | | *Retired. Replaced with (M-88303, SNM3, "Malignant fibrous histiocytoma").* |
| 111332 | Multifocal invasive ductal carcinoma | Multiple sites of ductal carcinoma | |
| 111333 | Metastasis to an intramammary lymph node | A malignant lesion in a intramammary lymph node arising from a non-intramammary lymph node neoplasm | |
| 111334 | Malignant melanoma of nipple | A malignant melanoma of the skin that arises in the nipple of the breast | |



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| *111335* | *Neoplasm of the mammary skin* | | *Retired. Replaced with (D0-F035F, SNM3, "Neoplasm of the mammary skin").* |
| *111336* | *Papillary carcinoma in-situ* | | *Retired. Replaced with (M-80502, SNM3, "Papillary carcinoma in-situ").* |
| 111338 | Recurrent malignancy | Recurrent malignancy | |
| 111340 | Squamous cell carcinoma of the nipple | Squamous cell carcinoma to the terminal portion of the alveolar | |
| 111341 | Intraductal carcinoma, high grade | A non-invasive carcinoma restricted to the glandular lumen characterized by more aggressive malignant cytologic features and behavior | |
| *111342* | *Invasive cribriform carcinoma* | | *Retired. Replaced with (M-82013, SNM3, "Invasive cribriform carcinoma").* |
| 111343 | Angular margins | An indication that some or all of the margin of a lesion has sharp corners, often forming acute angles. | |
| 111344 | Fine pleomorphic calcification | Calcifications that vary in sizes and shapes and are usually smaller than 0.5 mm in diameter. | |
| 111345 | Macrocalcifications | Coarse calcifications that are 0.5 mm or greater in size. | |
| 111346 | Calcifications within a mass | An indicator that calcifications are imbedded within a mass | |
| 111347 | Calcifications outside of a mass | An indicator that calcifications are imaged outside of a mass finding | |
| 111350 | Breast background echotexture | Tissue composition of the breast noted on sonography. | |
| 111351 | Homogeneous fat echotexture | Fat lobules and uniformly echogenic bands of supporting structures comprise the bulk of breast tissue. | |
| 111352 | Homogeneous fibroglandular echotexture | A uniformly echogenic layer of fibroglandular tissue is seen beneath a thin layer of subcutaneous fat. | |
| 111353 | Heterogeneous echotexture | The breast texture is characterized by multiple small | |



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| | | areas of increased and decreased echogenicity. | |
| 111354 | Orientation | Referential relationship of the finding to the imaging device as noted on sonography. | |
| 111355 | Parallel | The long axis of a lesion parallels the skin line ("wider-than-tall" or in a horizontal orientation). | |
| 111356 | Not parallel | The anterior-posterior or vertical dimension is greater than the transverse or horizontal dimension. | |
| 111357 | Lesion boundary | The lesion boundary describes the transition zone between the mass and the surrounding tissue. | |
| 111358 | Abrupt interface | The sharp demarcation between the lesion and surrounding tissue can be imperceptible or a distinct well-defined echogenic rim of any thickness. | |
| 111359 | Echogenic halo | There is no sharp demarcation between the mass and the surrounding tissue which is bridged by an echogenic transition zone. | |
| 111360 | Echo pattern | An imaging characteristic of resonance noted during sonography | |
| 111361 | Anechoic | Without internal echoes | |
| 111362 | Hyperechoic | Having increased echogenicity relative to fat or equal to fibroglandular tissue | |
| 111363 | Complex | Mass contains both anechoic and echogenic components | |
| 111364 | Hypoechoic | Defined relative to fat; masses are characterized by low-level echoes throughout (e.g. appearance of a complicated cyst or fibroadenoma) | |
| 111365 | Isoechoic | Having the same echogenicity as fat (a complicated cyst or fibroadenoma may be isoechoic or hypoechoic) | |



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| 111366 | Posterior acoustic features | The attenuation characteristics<br><br>of a mass with respect to its acoustic transmission. | |
| 111367 | No posterior acoustic features | No posterior shadowing or enhancement | |
| 111368 | Posterior enhancement | Increased posterior echoes | |
| 111369 | Posterior shadowing | Decreased posterior echoes; edge shadows are excluded | |
| 111370 | Combined posterior enhancement and shadowing | More than one pattern of posterior attenuation, both shadowing and enhancement | |
| 111371 | Identifiable effect on surrounding tissues | Sonographic appearance of adjacent structures relative to a mass finding | |
| 111372 | Vascularity | Characterization of vascularization in region of interest. | |
| 111373 | Vascularity not present | Vascularity not evident, such as on ultrasound | |
| 111374 | Vascularity not assessed | Vascularity not evaluated | |
| 111375 | Vascularity present in lesion | Vascularity on imaging is seen within a lesion | |
| 111376 | Vascularity present immediately adjacent to lesion | Vascularity on imaging is seen immediately adjacent to a lesion | |
| 111377 | Diffusely increased vascularity in surrounding tissue | Vascularity on imaging is considered diffusely elevated within the surrounding breast tissue | |
| 111380 | Correlation to other Findings | Relationship of the new anomaly to other clinical or imaging anomalies | |
| 111381 | Correlates to physical exam findings | An indication that the current imaging finding relates to a finding from a clinical breast exam | |
| 111382 | Correlates to mammography findings | An indication that the current imaging finding relates to a finding from a mammography exam | |
| 111383 | Correlates to MRI findings | An indication that the current imaging finding relates to a | |



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| | findings | finding from a breast MRI exam | |
| 111384 | Correlates to ultrasound findings | An indication that the current imaging finding relates to a finding from a breast ultrasound exam | |
| 111385 | Correlates to other imaging findings | An indication that the current imaging finding relates to a finding from an imaging exam | |
| 111386 | No correlation to other imaging findings | An indication that the current imaging finding has no relation to findings from any other imaging exam | |
| 111387 | No correlation to clinical findings | An indication that the current imaging finding has no relation to any other clinical findings | |
| 111388 | Malignancy Type | Classification of the cancer as invasive, DCIS, or other | |
| 111389 | Invasive breast carcinoma | A malignancy that has spread beyond an area of focus. | |
| 111390 | Other malignancy type | A breast cancer with malignant pathology findings that are not classified as invasive or in situ. | |
| 111391 | Menstrual Cycle Phase | A specific timeframe during menses | |
| 111392 | 1st week | In the first week of the menstrual cycle phase, that is, one week following menses. | |
| 111393 | 2nd week | In the second week of the menstrual cycle phase, that is, two weeks following menses. | |
| 111394 | 3rd week | In the third week of the menstrual cycle phase, that is, three weeks following menses. | |
| 111395 | Estimated Timeframe | An estimated period of time | |
| 111396 | < 3 months ago | An event occurred less than 3 months ago. | |
| 111397 | 4 months to 1 year ago | An event occurred between 4 months and 1 year ago. | |
| 111398 | > 1 year ago | An event occurred longer than 1 year ago. | |
| 111399 | Timeframe uncertain | The timing of an event is not | |



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| | | recalled. | |
| 111400 | Breast Imaging Report | Report title for the diagnostic report for one or more breast imaging or intervention procedures. | |
| 111401 | Reason for procedure | Concept name for the description of why a procedure has been performed. | |
| 111402 | Clinical Finding | A finding during clinical examination (i.e., history and physical examination) such as pain, palpable mass or discharge. | |
| 111403 | Baseline screening mammogram | First screening mammogram taken for patient that is used as a comparison baseline for further examinations. | |
| 111404 | First mammogram ever | First mammogram taken for a patient without regard to whether it was for screening or a diagnostic procedure. | |
| 111405 | Implant type | Concept name for the material of which a breast prosthetic device is constructed. | |
| 111406 | Number of similar findings | A numeric count of findings classified as similar in nature. | |
| 111407 | Implant finding | Concept name for the status of a breast prosthetic device as noted by imaging. | |
| 111408 | Film Screen Mammography | Mammogram using traditional x-ray film. | |
| 111409 | Digital Mammography | Mammogram using a digital image acquisition system. | |
| 111410 | Surgical consult | Referred for evaluation by a surgeon. | |
| 111411 | Mammography CAD | Computer aided detection and/or computer aided diagnosis for mammography. | |
| 111412 | Narrative Summary | Concept name for a text-based section of a report. | |
| 111413 | Overall Assessment | A title for a report section that summarizes all interpretation results for a report with one overriding assessment (e.g., benign or negative). | |
| 111414 | Supplementary Data | Concept name for a collection of supporting evidence for a report. | |
| 111415 | Additional evaluation requested from prior study | Prior study indicates that additional imaging be performed to further evaluate a suspicous | |



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| | | or questionable anatomic region. | |
| 111416 | Follow-up at short interval from prior study | The prior study recommended a follow-up breast imaging exam in 1 to 11 months (generally in 6 months). | |
| 111417 | History of breast augmentation, asymptomatic | Prior breast augmentation (breast enlargement) and is not presenting with any symptoms. | |
| 111418 | Review of an outside study | Review or second opinion made on an image performed outside of the facility. | |
| 111419 | Additional evaluation requested from abnormal screening exam | Additional breast imaging perfomed at the time of the patient's screening mammogram. | |
| 111420 | History of benign breast biopsy | Patient has had previous benign breast biopsies. | |
| 111421 | Personal history of breast cancer with breast conservation therapy | Patient has had a prior surgery such as a lumpectomy or quadrantectomy to remove malignant breast tissue, but breast tissue remains. | |
| 111423 | Physical Examination Results | The results of a physical examination performed on the patient, possibly including the results of inspection, palpation, auscultation, or percussion. | |
| 111424 | Comparison to previous findings | The result of assessing the current imaging exam in comparison to previous imaging exams. | |
| 111425 | Intraluminal filling defect | An abnormality observed during ductography where the ductal system within the breast fills in an abnormal pattern. Ductography is an imaging exam in which a radio opaque contrast media is introduced into the ductal system of the breast through the nipple and images of the ductal system are obtained. | |
| 111426 | Multiple filling defect | During ductography an observation of more than one filling abnormality within the breast ductal system. | |
| 111427 | Abrupt duct termination | An abnormality observed during ductography where the ductal system within the breast terminates in an unusual fashion. | |
| 111428 | Extravasation | Abnormal flowage of contrast media within the breast noted on | |



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| | | ductography. | |
| 111429 | Duct narrowing | An abnormality observed during ductography where the ductal system within the breast appears narrow. | |
| 111430 | Cyst fill | During ductography an observation of the contrast media filling a cyst within the breast. | |
| 111431 | Instrument Approach | The area and line within the anatomy through which a needle or instrument passes during an interventional procedure. | |
| 111432 | Inferolateral to superomedial | The line within the anatomy from the lower outer to the upper inner aspect, for example, through which a needle or instrument passes in an interventional procedure. | |
| 111433 | Inferomedial to superolateral | The line within the anatomy from the lower inner to the upper outer aspect, for example, through which a needle or instrument passes in an interventional procedure. | |
| 111434 | Superolateral to inferomedial | The line within the anatomy from the upper outer to the lower inner aspect, for example, through which a needle or instrument passes in an interventional procedure. | |
| 111435 | Superomedial to inferolateral | The line within the anatomy from the upper inner to the lower outer aspect, for example, through which a needle or instrument passes in an interventional procedure. | |
| 111436 | Number of passes | The number of times a biopsy instrument is passed through an area of interest. | |
| 111437 | Number of specimens | The number of biopsy specimens obtained from an interventional procedure. | |
| 111438 | Needle in target | An indicator of whether or not a biopsy or localizing needle in an interventional procedure is seen to be in the area of interest. | |
| 111439 | Number of needles around target | The number of localizing needles placed around the area of interest in an interventional procedure. | |
| 111440 | Incision made | An indicator of whether or not an | |



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| | | incision was made in the anatomy during an interventional procedure. | |
| 111441 | Microclip placed | An indicator of whether or not a radio opaque microclip was placed in the anatomy during an interventional procedure. | |
| 111442 | Confirmation of target | An indicator of the degree of success of an interventional procedure. | |
| 111443 | Target completely contained in the specimen | An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen. | |
| 111444 | Target partially obtained in the specimen | An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen. | |
| 111445 | Target not in the specimen | An indicator that following an interventional procedure the area of interest is not seen in the resultant biopsy specimen. | |
| 111446 | Calcifications seen in the core | An indicator that following an interventional procedure the targeted calcifications are noted in the resultant biopsy specimen. | |
| 111447 | Lesion completely removed | An indicator that during an interventional procedure the area of interest was fully excised and is noted in the resultant biopsy specimen. | |
| 111448 | Lesion partially removed | An indicator that during an interventional procedure the area of interest was partially excised and is noted in the resultant biopsy specimen. | |
| 111449 | Fluid obtained | An indicator that during an interventional procedure fluid was successfully aspirated. | |
| 111450 | Light brown color | Color that is a light shade of brown. | |
| 111451 | Dark red color | Color that is a dark shade of red. | |
| 111452 | Dark brown color | Color that is a dark shade of brown. | |
| 111453 | Bright red color | Color that is a bright shade of red. | |
| 111454 | Blood tinged color | Color that is tinged with the color of blood. | |
| 111455 | Occult blood test | An indicator of whether or not | |



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| | result | the fluid obtained during an interventional procedure contains red blood cells. | |
| 111456 | Action on fluid | An indicator of whether or not fluid during an interventional procedure was sent for cytological analysis or simply discarded. | |
| 111457 | Sent for analysis | An indicator that fluid obtained during an interventional procedure was sent to a laboratory for analysis. | |
| 111458 | Discarded | An indicator that fluid obtained during an interventional procedure was discarded. | |
| 111459 | Mass with calcifications | A radiopaque density noted during diagnostic imaging which has associated calcific densities. | |
| 111460 | Complex cyst | A fluid-filled sac with greater than normal characteristics. | |
| 111461 | Intracystic lesion | A tumor within a cyst. | |
| 111462 | Solid mass | A tumor or lesion. | |
| 111463 | Supplementary Data for Intervention | Supporting evidence for interpretation results of an interventional procedure. | |
| 111464 | Procedure Modifier | A descriptor that further qualifies or characterizes a type of procedure. | |
| 111465 | Needle Gauge | Needle size (diameter) characterization, for example, of a biopsy needle. | |
| 111466 | Severity of Complication | An indicator of the gravity of a problem experienced by a patient, related to a procedure that was performed. | |
| 111467 | Needle Length | Distance from the hub or bushing to the tip of the needle. | |
| 111468 | Pathology Results | The collection of observations and findings from pathologic analysis. | |
| 111469 | Sampling Datetime | The date and time that the sample was collected from the patient. | |
| 111470 | Uninvolved | Indicates that the margin of the biopsy specimen was not involved with the tumor. | |
| 111471 | Involved | Indicates that the margin of the biopsy specimen was involved with the tumor. | |
| 111472 | Nipple involved | Indicates whether the nipple was | |



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| | | involved in an interventional procedure or pathologic analysis. | |
| 111473 | Number of nodes removed | Indicates the number of lymph nodes removed. | |
| 111474 | Number of nodes positive | Indicates the number of lymph nodes removed that contain cancer cells. | |
| 111475 | Estrogen receptor | The result of a test for the presence of a protein that binds with estrogen. | |
| 111476 | Progesterone receptor | The result of a test for the presence of a protein that binds with progesterone. | |
| 111477 | S Phase | Indicates the percentage of cells in S phase. Cell division is defined by phases; the S phase is the stage during which DNA replicates. | |
| 111478 | Non-bloody discharge (from nipple) | The visible emission of non-bloody fluid from the nipple. | |
| 111479 | Difficult physical/clinical examination | The inability to discern normal versus abnormal breast tissue during palpation. | |
| 111480 | Cancer elsewhere | An indication that a patient has or had a malignant occurrence in an area of the body other than the breast. | |
| 111481 | Saline implant | A salt water filled prosthetic device implanted in the breast. | |
| 111482 | Polyurethane implant | A polymer based (plastic) prosthetic device implanted in the breast. | |
| 111483 | Percutaneous silicone injection | The introduction of polymeric organic silicon based material through the skin, as for breast augmentation or reconstruction. | |
| 111484 | Combination implant | A prosthetic device that contains more than one material implanted in the breast. | |
| 111485 | Pre-pectoral implant | A breast implant placed in front of the pectoralis major muscle. | |
| 111486 | Retro-pectoral implant | A breast implant placed behind the pectoralis major muscle. | |
| 111487 | Mammographic (crosshair) | Using x-ray technique and a superimposed set of crossed lines for detection or placement. | |
| 111488 | Mammographic (grid) | Using x-ray technique and a superimposed aperture for | |



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| | | detection or placement. | |
| 111489 | Palpation guided | Using physical touch for detection or placement. | |
| 111490 | Vacuum assisted | The performance of a biopsy procedure using a vacuum device attached to the biopsy needle. | |
| 111491 | Abnormal discharge | Unusual or unexpected emission of fluid. | |
| 111492 | No complications | Having experienced no adverse medical conditions related to or resulting from an interventional procedure. | |
| 111494 | Stage 0 | TNM grouping of tumor stage, from AJCC, where primary tumor is Tis, regional lymph node is N0, and distant metastasis is M0. | |
| 111495 | Stage I | TNM grouping of tumor stage, from AJCC, where primary tumor is T1, regional lymph node is N0, and distant metastasis is M0. | |
| 111496 | Stage IIA | TNM grouping of tumor stage, from AJCC, where primary tumor is T0 or T1, with regional lymph node N1 and distant metastasis is M0, or T2 with N0 and M0. | |
| 111497 | Stage IIB | TNM grouping of tumor stage, from AJCC, where primary tumor is T2, with regional lymph node N1 and distant metastasis is M0, or T3 with N0 and M0. | |
| 111498 | Stage IIIA | TNM grouping of tumor stage, from AJCC, where primary tumor is T0, T1 or T2, with regional lymph node N2 and distant metastasis is M0, or T3 with N1 or N2 and M0. | |
| 111499 | Stage IIIB | TNM grouping of tumor stage, from AJCC, where primary tumor is T4, regional lymph node is N0, N1 or N2, and distant metastasis is M0. | |
| 111500 | Stage IIIC | TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is N3, and distant metastasis is M0. | |
| 111501 | Stage IV | TNM grouping of tumor stage, from AJCC, where primary tumor is any T value, regional lymph node is any N value, and distant | |



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| | | metastasis is M1. | |
| 111502 | Bloom-Richardson Grade | Histologic tumor grade (sometimes called Scarff-Bloom-Richardson grade) is based on the arrangement of the cells in relation to each other -- whether they form tubules, how closely they resemble normal breast cells (nuclear grade) and how many of the cancer cells are in the process of dividing (mitotic count). | |
| 111503 | Normal implants | Breast prosthetic devices are intact, not leaking, and are in a normal shape and form. | |
| 111504 | Asymmetric implants | Breast prosthetic devices are not symmetric, equal, corresponding in form, or are in one breast (unilateral). | |
| 111505 | Calcified implant | Fibrous or calcific contracture of the tissue capsule that forms around a breast prosthetic device. | |
| 111506 | Distorted implant | Breast prosthetic device is twisted out of normal shape or form. | |
| 111507 | Silicone-laden lymph nodes | Silicone from breast prosthetic device found in lymphatic tissue. | |
| 111508 | Free silicone | Silicone found in breast tissue outside of the prosthetic capsule or implant membrane. | |
| 111509 | Herniated implant | Protrusion of part of the structure normally encapsulating the content of the breast prosthetic device. | |
| 111510 | Explantation | Evidence of removal of a breast prosthetic device. | |
| 111511 | Relevant Patient Information for Breast Imaging | Historical patient health information of interest to the breast health clinician. | |
| *111512* | *Medication History* | *Information regarding usage by the patient of certain medications, such as hormones.* | *Retired, Replaced with (10160-2, LN, "History Of Medication Use")* |
| 111513 | Relevant Previous Procedures | Interventional or non-interventional procedures previously performed on the patient, such as breast biopsies. | |
| *111514* | *Relevant Indicated Problems* | *Abnormal conditions experienced by the patient which serve as the reason for performing a procedure, such as* | *Retired, Replaced with (11450-4, LN, "Problem List")* |



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| | | *a breast exam.* | |
| 111515 | Relevant Risk Factors | Personal, familial, and other health factors that may indicate an increase in the patient's chances of developing a health condition or disease, such as breast cancer. | |
| 111516 | Medication Type | A classification of a medicinal substance, such as hormonal contraceptive or antibiotic. | |
| 111517 | Relevant Patient Information | Historical patient health information for general purpose use. | |
| 111518 | Age when first menstrual period occurred | The age of the patient at the first occurrence of menses. | |
| 111519 | Age at First Full Term Pregnancy | The age of the patient at the time of her first full term pregnancy. | |
| 111520 | Age at Menopause | The age of the patient at the cessation of menses. | |
| 111521 | Age when hysterectomy performed | The age of the patient at the time her uterus was removed. | |
| 111522 | Age when left ovary removed | The age of the patient at the time she had her left ovary removed. | |
| 111523 | Age when right ovary removed | The age of the patient at the time she had her right ovary removed. | |
| 111524 | Age Started | The age of a patient on the first occurrence of an event, such as the first use of a medication. | |
| 111525 | Age Ended | The age of a patient on the last occurrence of an event, such as the last use of a medication. | |
| 111526 | Datetime Started | The date and time of the first occurrence of an event, such as the first use of a medication. | |
| 111527 | Datetime Ended | The date and time of the last occurrence of an event, such as the last use of a medication. | |
| 111528 | Ongoing | An indicator of whether an event is still in progress, such as the use of a medication or substance, or environmental exposure. | |
| 111529 | Brand Name | Product name of a device or substance, such as medication, to identify it as the product of a single firm or manufacturer. | |



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| 111530 | Risk Factor modifier | A descriptor that further qualifies or characterizes a risk factor. | |
| 111531 | Previous Procedure | A prior non-interventional exam or interventional procedure performed on a patient. | |
| 111532 | Pregnancy Status | Describes the pregnancy state of a referenced subject. | |
| 111533 | Indicated Problem | A symptom experienced by a patient that is used as the reason for performing an exam or procedure. | |
| 111534 | Role of person reporting | The function of the individual who is reporting information on a patient, which could be a specific health care related profession, the patient him/herself, or a relative or friend. | |
| 111535 | Datetime problem observed | The date and time that a symptom was noted. | |
| 111536 | Datetime of last evaluation | The date and time of the most recent evaluation of an indicated problem. | |
| 111537 | Family Member with Risk Factor | A patient's biological relative who exhibits a health factor that may indicate an increase in the patient's chances of developing a particular disease or medical problem. | |
| 111538 | Age at Occurrence | The age at which an individual experienced a specific event, such as breast cancer. | |
| 111539 | Menopausal phase | The current stage of an individual in her gynecological development. | |
| 111540 | Side of Family | An indicator of paternal or maternal relationship. | |
| 111541 | Maternal | Relating to biological female parentage. | |
| 111542 | Unspecified gynecological hormone | A gynecological hormone (e.g., contraceptive, estrogen, Tamoxifen) for which the specific type is not specified. | |
| 111543 | Breast feeding history | An indicator of whether or not a patient ever provided breast milk to her offspring. | |
| 111544 | Average breast feeding period | The average length of time that a patient provided breast milk to her offspring. | |
| 111545 | Substance Use History | Information regarding usage by the patient of certain legal or | |



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| | | illicit substances. | |
| 111546 | Used Substance Type | A classification of a substance, such as alcohol or a legal or illicit drug. | |
| 111547 | Environmental Exposure History | Information regarding exposure of the patient to potentially harmful environmental factors. | |
| 111548 | Environmental Factor | A classification of a potentially harmful substance or gas in a subject's environment, such as asbestos, lead, or carcinogens. | |
| 111549 | Previous Reports | Previous Structured Reports that could have relevant information for a current imaging service request. | |
| 111550 | Personal breast cancer history | An indication that a patient has had a previous malignancy of the breast. | |
| 111551 | History of endometrial cancer | Indicates a previous occurrence of cancer of the lining of the uterus. | |
| 111552 | History of ovarian cancer | Indicates a previous occurrence of cancer of the lining of the ovary. | |
| 111553 | History of high risk lesion on previous biopsy | Indicates a prior diagnosis of pre-cancerous cells or tissue removed for pathologic evaluation. | |
| 111554 | Post menopausal patient | A female patient whose menstrual periods have ceased. | |
| 111555 | Late child bearing (after 30) | A female patient whose first child was born after the patient was 30 years old. | |
| 111556 | BRCA1 breast cancer gene | The first level genetic marker indicating risk for breast cancer. | |
| 111557 | BRCA2 breast cancer gene | The second level genetic marker indicating risk for breast cancer. | |
| 111558 | BRCA3 breast cancer gene | The third level genetic marker indicating risk for breast cancer. | |
| 111559 | Weak family history of breast cancer | A patient's biological aunt, grandmother, or female cousin was diagnosed with breast cancer. Definition from BI-RADS®. | |
| 111560 | Intermediate family history of breast cancer | A patient's biological mother or sister was diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®. | |
| 111561 | Very strong family | A patient's biological mother or | |



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| | history of breast cancer | sister was diagnosed with breast cancer before they had gone through menopause, or more than one of the patient's first-degree relatives (biological mother or sister) were diagnosed with breast cancer after they had gone through menopause. Definition from BI-RADS®. | |
| 111562 | Family history of prostate cancer | Previous diagnosis of a malignancy of the prostate gland in a biological relative. | |
| 111563 | Family history unknown | The health record of a patient's biological relatives is not known. | |
| 111564 | Nipple discharge cytology | The study of cells obtained from fluid emitted from the breast. | |
| 111565 | Uterine malformations | A developmental abnormality resulting in an abnormal shape of the uterus. | |
| 111566 | Spontaneous Abortion | A naturally occurring premature expulsion from the uterus of the products of conception – the embryo or a nonviable fetus. | |
| 111567 | Gynecologic condition | An ailment/abnormality or state of the female reproductive tract. | |
| 111568 | Gynecologic surgery | A surgical operation performed on any portion of the female reproductive tract. | |
| 111569 | Previous LBW or IUGR birth | Prior pregnancy with a low birth weight baby or a fetus with Intrauterine Growth Restriction or Retardation. | |
| 111570 | Previous fetal malformation/syndrome | History of at least one prior pregnancy with fetal anatomic abnormality(s). | |
| 111571 | Previous RH negative or blood dyscrasia at birth | History of delivering a Rhesis Isoimmunization affected child(ren) or a child(ren) with another blood disorder. | |
| 111572 | History of multiple fetuses | History of at least one pregnancy that contained more than one fetus (e.g., twins, triplets, etc.) | |
| 111573 | Current pregnancy, known or suspected malformations/syndromes | At least one fetus of this pregnancy has an anatomic abnormality(s) that is known to exist, or a "marker" is present that suggests the abnormality(s) may be present. | |
| 111574 | Family history, fetal malformation/syndrome | Biological relatives have previously conceived a fetus with an anatomic abnormality(s). | |



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| 111575 | High | A subjective descriptor for an elevated amount of exposure, use, or dosage, incurring high risk of adverse effects. | |
| 111576 | Medium | A subjective descriptor for a moderate amount of exposure, use, or dosage, incurring medium risk of adverse effects. | |
| 111577 | Low | A subjective descriptor for a limited amount of exposure, use, or dosage, incurring low risk of adverse effects. | |
| 111578 | Dose frequency | A measurement of the rate of occurrence of which a patient takes a certain medication. | |
| 111579 | Rate of exposure | The quantity per unit of time that a patient was or is being exposed to an environmental irritant. | |
| 111580 | Volume of use | The quantity per unit of time that a medication or substance was or is being used. | |
| 111581 | Relative dose amount | A qualitative descriptor for the amount of a medication that was or is being taken. | |
| 111582 | Relative amount of exposure | A qualitative descriptor for the amount of present or past exposure to an environmental irritant. | |
| 111583 | Relative amount of use | A qualitative descriptor for the amount of a medication or substance that was or is being used. | |
| 111584 | Relative dose frequency | A qualitative descriptor for the frequency with which a medication was or is being taken. | |
| 111585 | Relatve frequency of exposure | A qualitative descriptor for the frequency of present or past exposure to an environmental irritant. | |
| 111586 | Relative frequence of use | A qualitative descriptor for the frequency with which a medication or substance was or is being used. | |
| 111601 | Green filter | Filter that transmits one third of white light (green) while blocking the other two thirds | |
| 111602 | Red filter | Filter that transmits one third of white light (red) while blocking the other two thirds | |



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| 111603 | Blue filter | Filter that transmits one third of white light (blue) while blocking the other two thirds | |
| 111604 | Yellow-green filter | A filter of 560nm that is used for retinal imaging and can provide good contrast and good visibility of the retinal vasculature | |
| 111605 | Blue-green filter | A filter of 490nm that is used for retinal imaging because of excessive scattering of some retinal structures at very short wavelengths | |
| 111606 | Infrared filter | Filter that transmits the infrared spectrum, which is light that lies outside of the visible spectrum, with wavelengths longer than those of red light, while blocking visible light | |
| 111607 | Polarizing filter | A filter that reduces reflections from non-metallic surfaces such as glass or water by blocking light waves that are vibrating at selected angles to the filter. | |
| 111609 | No filter | No filter used | |
| 111621 | Field 1 for Joslin 3 field | Joslin NM-1 is a 45 degree field focused centrally between the temporal margin of optic disc and the center of the macula: Center the camera on the papillomacular bundle midway between the temporal margin of the optic disc and the center of the macula. The horizontal centerline of the image should pass directly through the center of the disc | |
| 111622 | Field 2 for Joslin 3 field | Joslin NM-2 is a 45 degree field focused superior temporal to the optic disc: Center the camera laterally approximately one-half disc diameter temporal to the center of the macula. The lower edge of the field is tangent to a horizontal line passing through the upper edge of the optic disc. The image is taken temporal to the macula but includes more retinal nasal and superior to the macula than standard field 2. | |
| 111623 | Field 3 for Joslin 3 field | Joslin NM-3 is a 45 degree field focused nasal to the optic disc: This field is nasal to the optic disc and may include part of the optic disc. The horizontal | |



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| | | centerline of the image should pass tangent to the lower edge of the optic disc. | |
| 112000 | Chest CAD Report | A structured report containing the results of computer-aided detection or diagnosis applied to chest imaging and associated clinical information. | |
| 112001 | Opacity | The shadow of an absorber that attenuates the X-ray beam more effectively than do surrounding absorbers. In a radiograph, any circumscribed area that appears more nearly white (of lesser photometric density) than its surround [Fraser and Pare]. | |
| 112002 | Series Instance UID | A unique identifier for a series of DICOM SOP instances. | |
| 112003 | Associated Chest Component | A named anatomic region within the chest cavity. | |
| 112004 | Abnormal interstitial pattern | A collection of opacities detected within the continuum of loose connective tissue throughout the lung, that is not expected in a diagnostically normal radiograph. | |
| 112005 | Radiographic anatomy | A type of anatomy that is expected to be detectable on a radiographic (X-ray based) image. | |
| 112006 | Distribution Descriptor | Characteristic of the extent of spreading of a finding or feature. | |
| 112007 | Border definition | Characteristic of the clarity of the boundary or edges of a finding or feature. | |
| 112008 | Site involvement | The part(s) of the anatomy affected or encompassed by a finding or feature. | |
| 112009 | Type of Content | Characteristic of the matter or substance within a finding or feature. | |
| 112010 | Texture Descriptor | Characteristic of the surface or consistency of a finding or feature. | |
| 112011 | Positioner Primary Angle | Position of the X-ray beam about the patient from the RAO to LAO direction where movement from RAO to vertical is positive. | |
| 112012 | Positioner Secondary Angle | Position of the X-ray beam about the patient from the caudal to cranial direction where movement from caudal to | |



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| | | vertical is positive. | |
| 112013 | Location in Chest | The zone, lobe or segment within the chest cavity in which a finding or feature is situated. | |
| 112014 | Orientation Descriptor | Vertical refers to orientation parallel to the superior-inferior (cephalad-caudad) axis of the body, with horizontal being perpendicular to this, and an oblique orientation having projections in both the horizontal and vertical. | |
| 112015 | Border shape | Characteristic of the shape formed by the boundary or edges of a finding or feature. | |
| 112015 | Border shape | Characteristic of the shape formed by the boundary or edges of a finding or feature. | |
| 112016 | Baseline Category | Indicates whether a finding was considered a target lesion, non-target lesion, or non-lesion during evaluation of a baseline series, according to a method such as RECIST. | |
| 112016 | Baseline Category | Indicates whether a finding was considered a target lesion, non-target lesion, or non-lesion during evaluation of a baseline series, according to a method such as RECIST. | |
| 112017 | Cavity extent as percent of volume | The extent of a detected cavity, represented as the percent of the surrounding volume that it occupies. | |
| 112017 | Cavity extent as percent of volume | The extent of a detected cavity, represented as the percent of the surrounding volume that it occupies. | |
| 112018 | Calcification extent as percent of surface | The extent of a detected calcification, represented as the percent of the surrounding surface that it occupies. | |
| 112018 | Calcification extent as percent of surface | The extent of a detected calcification, represented as the percent of the surrounding surface that it occupies. | |
| 112019 | Calcification extent as percent of volume | The extent of a detected calcification, represented as the percent of the surrounding volume that it occupies. | |
| 112019 | Calcification extent as percent of volume | The extent of a detected calcification, represented as the | |



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| | | percent of the surrounding volume that it occupies. | |
| 112020 | Response Evaluation | A heading for the reporting of response evaluation for treatment of solid tumors. | |
| 112021 | Response Evaluation Method | The system applied in the reporting of response evaluation for treatment of solid tumors. | |
| 112022 | RECIST | Response Evaluation Criteria In Solid Tumors. See Normative References. | |
| 112023 | Composite Feature Modifier | A term which further specifies the name of an item that is an inferred correlation relating two or more individual findings or features. | |
| 112024 | Single Image Finding Modifier | A term which further specifies the name of an item that was detected on one image. | |
| 112025 | Size Descriptor | A qualitative descriptor for the extent of a finding or feature. | |
| 112026 | Width Descriptor | A qualitative descriptor for the thickness of tubular structures, such as blood vessels. | |
| 112027 | Opacity Descriptor | A characteristic that further describes the nature of an opacity. | |
| 112028 | Abnormal Distribution of Anatomic Structure | The type of adverse affect that a finding or feature is having on the surrounding anatomy. | |
| 112029 | WHO | Response evaluation method as defined in chapter 5, “Reporting of Response” of the WHO Handbook for Reporting Results for Cancer Treatment. See Normative References. | |
| 112030 | Calcification Descriptor | Identification of the morphology of detected calcifications. | |
| 112031 | Attenuation Coefficient | A quantitative numerical statement of the relative attenuation of the X-ray beam at a specified point; for example, expressed in Hounsfield units [referred to as CT Number in Fraser and Pare]. | |
| 112032 | Threshold Attenuation Coefficient | An X-ray attenuation coefficient that is used as a threshold, for example, in calcium scoring. | |
| 112033 | Abnormal opacity | An opacity that is not expected in a diagnostically normal radiograph. | |



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| 112034 | Calculation Description | A textual description of the mathematical method of calculation which resulted in a calculated value. | |
| 112035 | Performance of Pediatric and Adult Chest Radiography, ACR | American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Chest Radiography. In: Standards. Reston, Va: 2001:95-98. | |
| 112036 | ACR Position Statement | American College of Radiology. ACR Position Statement. In: Standards. Reston, Va: 2001:iv. | |
| 112037 | Non-lesion Modifier | A descriptor for a non-lesion object finding or feature, used to indicate whether the object was detected as being internal or external to the patient's body. | |
| 112038 | Osseous Modifier | A concept modifier for an Osseous Anatomy, or bone related, finding. | |
| 112039 | Tracking Identifier | A text label used for tracking a finding or feature, potentially across multiple reporting objects, over time. This label shall be unique within the domain in which it is used. | |
| 112040 | Tracking Unique Identifier | A unique identifier used for tracking a finding or feature, potentially across multiple reporting objects, over time. | |
| 112041 | Target Lesion Complete Response | Disappearance of all target lesions. | |
| 112042 | Target Lesion Partial Response | At least a 30% decrease in the sum of the Longest Diameter of target lesions, taking as reference the baseline sum Longest Diameter. | |
| 112043 | Target Lesion Progressive Disease | At least a 20% increase in the sum of the Longest Diameter of target lesions, taking as reference the smallest sum Longest Diameter recorded since the treatment started, or the appearance of one or more new lesions. | |
| 112044 | Target Lesion Stable Disease | Neither sufficient shrinkage to qualify for Partial Response nor sufficient increase to qualify for Progressive Disease, taking as reference the smallest sum Longest Diameter since the treatment started. | |



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| 112045 | Non-Target Lesion Complete Response | Disappearance of all non-target lesions and normalization of tumor marker level. | |
| 112046 | Non-Target Lesion Incomplete Response or Stable Disease | Persistence of one or more non-target lesions and/or maintenance of tumor marker level above the normal limits. | |
| 112047 | Non-Target Lesion Progressive Disease | Appearance of one or more new lesions and/or unequivocal progression of existing non-target lesions. | |
| 112048 | Current Response | The current response evaluation for treatment of solid tumors, according to a method such as RECIST. | |
| 112049 | Best Overall Response | Best response recorded from the start of the treatment until disease progression/recurrence, taking as reference for Progressive Disease the smallest measurements recorded since the treatment started, according to a method such as RECIST. | |
| 112050 | Anatomic Identifier | A text identifier of an anatomic feature when a multiplicity of features of that type may be present, such as “Rib 1”, “Rib 2” or thoracic vertibrae “T1” or “T2”. | |
| 112051 | Measurement of Response | A measured or calculated evaluation of response. For example, according to a method such as RECIST, the value would be the calculated sum of the lengths of the longest axes of a set of target lesions. | |
| 112052 | Bronchovascular | Of or relating to a bronchial (lung) specific channel for the conveyance of a body fluid. | |
| 112053 | Osseous | Of, relating to, or composed of bone. | |
| 112054 | Secondary pulmonary lobule | The smallest unit of lung surrounded by connective tissue septa; the unit of lung subtended by any bronchiole that gives off three to five terminal bronchioles [Fraser and Pare]. | |
| 112055 | Agatston scoring method | A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the maximum X-ray attenuation coefficient and the area of calcium deposits. | |



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| 112056 | Volume scoring method | A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the volume of each calcification, typically expressed in mm3. | |
| 112057 | Mass scoring method | A method of calculating an overall calcium score, reflecting the calcification of coronary arteries, based on the total mass of calcification, typically expressed in mg. | |
| 112058 | Calcium score | A measure often arrived at through calculation of findings from CT examination, which is a common predictor of significant stenosis of the coronary arteries. | |
| 112059 | Primary complex | The combination of a focus of pneumonia due to a primary infection with granulomas in the draining hilar or mediastinal lymph nodes [Fraser and Pare]. | |
| 112060 | Oligemia | General or local decrease in the apparent width of visible pulmonary vessels, suggesting less than normal blood flow (reduced blood flow) [Fraser and Pare]. | |
| 112061 | Abnormal lines (1D) | Linear opacity of very fine width, i.e. a nearly one dimensional opacity. | |
| 112062 | Abnormal lucency | Area of abnormal very low X-ray attenuation, typically lower than aerated lung when occuring in or projecting over lung, or lower than soft tissue when occurring in or projecting over soft tissue. | |
| 112063 | Abnormal calcifications | A calcific opacity within the lung that may be organized, but does not display the trabecular organization of true bone [Fraser and Pare]. | |
| 112064 | Abnormal texture | Relatively homogeneous, extended, pattern of abnormal opacity in the lung, typically low in contrast. | |
| 112065 | Reticulonodular pattern | A collection of innumerable small, linear, and nodular opacities that together produce a composite appearance resembling a net with small superimposed nodules. The reticular and nodular elements | |



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| | | are dimensionally of similar magnitude [Fraser and Pare]. | |
| 112066 | Beaded septum sign | Irregular septal thickening that suggests the appearance of a row of beads; usually a sign of lymphangitic carcinomatosis, but may also occur rarely in sarcoidosis [Fraser and Pare]. | |
| 112067 | Nodular pattern | A collection of innumerable, small discrete opacities ranging in diameter from 2-10 mm, generally uniform in size and widespread in distribution, and without marginal spiculation [Fraser and Pare]. | |
| 112068 | Pseudoplaque | An irregular band of peripheral pulmonary opacity adjacent to visceral pleura that simulates the appearance of a pleural plaque and is formed by coalescence of small nodules [Fraser and Pare]. | |
| 112069 | Signet-ring sign | A ring of opacities (usually representing a dilated, thick-walled bronchus) in association with a smaller, round, soft tissue opacity (the adjacent pulmonary artery) suggesting a “signet ring” [Fraser and Pare]. | |
| 112070 | Air bronchiologram | Equivalent of air bronchogram, but in airways assumed to be bronchioles because of peripheral location and diameter [Fraser and Pare]. | |
| 112071 | Air bronchogram | Radiographic shadow of an air-containing bronchus; presumed to represent an air-containing segment of the bronchial tree (identity often inferred) [Fraser and Pare]. | |
| 112072 | Air crescent | Air in a crescentic shape in a nodule or mass, in which the air separates the outer wall of the lesion from an inner sequestrum, which most commonly is a fungus ball of *Aspergillus* species [Fraser and Pare]. | |
| 112073 | Halo sign | Ground-glass opacity surrounding the circumference of a nodule or mass. May be a sign of invasive aspergillosis or hemorrhage of various causes [Fraser and Pare]. | |
| 112074 | Target Lesion at | Flag denoting that this lesion | |



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| | Baseline | was identified, at baseline, as a target lesion intended for tracking over time [RECIST]. | |
| 112075 | Non-Target Lesion at Baseline | Flag denoting that this lesion was not identified, at baseline, as a target lesion, and was not intended for tracking over time [RECIST]. | |
| 112076 | Non-Lesion at Baseline | Flag denoting that this finding was identified, at baseline, as a category other than a lesion, and was not intended for tracking over time [RECIST]. | |
| 112077 | Vasoconstriction | Local or general reduction in the caliber of visible pulmonary vessels, presumed to result from decreased flow occasioned by contraction of muscular pulmonary arteries [Fraser and Pare]. | |
| 112078 | Vasodilation | Local or general increase in the width of visible pulmonary vessels resulting from increased pulmonary blood flow [Fraser and Pare]. | |
| 112079 | Architectural distortion | A manifestation of lung disease in which bronchi, pulmonary vessels, a fissure or fissures, or septa of secondary pulmonary lobules are abnormally displaced [Fraser and Pare]. | |
| 112080 | Mosaic perfusion | A patchwork of regions of varied attenuation, interpreted as secondary to regional differences in perfusion [Fraser and Pare]. | |
| 112081 | Pleonemia | Increased blood flow to the lungs or a portion thereof, manifested by a general or local increase in the width of visible pulmonary vessels [Fraser and Pare]. | |
| 112082 | Interface | The common boundary between the shadows of two juxtaposed structures or tissues of different texture or opacity (edge, border) [Fraser and Pare]. | |
| 112083 | Line | A longitudinal opacity no greater than 2 mm in width [Fraser and Pare]. | |
| 112084 | Lucency | The shadow of an absorber that attenuates the primary X-ray beam less effectively than do surrounding absorbers. In a | |



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| | | radiograph, any circumscribed area that appears more nearly black (of greater photometric density) than its surround [Fraser and Pare]. | |
| 112085 | Midlung window | A midlung region, characterized by the absence of large blood vessels and by a paucity of small blood vessels, that corresponds to the minor fissure and adjacent peripheral lung [Fraser and Pare]. | |
| 112086 | Carina angle | The angle formed by the right and left main bronchi at the tracheal bifurcation [Fraser and Pare]. | |
| 112087 | Centrilobular structures | The pulmonary artery and its immediate branches in a secondary lobule; HRCT depicts these vessels in certain cases; a.k.a. core structures or lobular core structures [Fraser and Pare]. | |
| 112088 | Anterior junction line | A vertically oriented linear or curvilinear opacity approximately 1-2 mm wide, commonly projected on the tracheal air shadow [Fraser and Pare]. | |
| 112089 | Posterior junction line | A vertically oriented, linear or curvilinear opacity approximately 2 mm wide, commonly projected on the tracheal air shadow, and usually slightly concave to the right [Fraser and Pare]. | |
| 112090 | Azygoesophageal recess interface | A space in the right side of the mediastinum into which the medial edge of the right lower lobe extends [Fraser and Pare]. | |
| 112091 | Paraspinal line | A vertically oriented interface usually seen in a frontal chest radiograph to the left of the thoracic vertebral column [Fraser and Pare]. | |
| 112092 | Posterior tracheal stripe | A vertically oriented linear opacity ranging in width from 2-5 mm, extending from the thoracic inlet to the bifurcation of the trachea, and visible only on lateral radiographs of the chest [Fraser and Pare]. | |
| 112093 | Right tracheal stripe | A vertically oriented linear opacity approximately 2-3 mm wide extending from the thoracic | |



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| | | inlet to the right tracheobronchial angle [Fraser and Pare]. | |
| 112094 | Stripe | A longitudinal composite opacity measuring 2-5 mm in width; acceptable when limited to anatomic structures within the mediastinum [Fraser and Pare]. | |
| 112095 | Hiatus | A gap or passage through an anatomical part or organ; *especially* **:** a gap through which another part or organ passes. | |
| 112096 | Rib Scalene Tubercle | A small rounded elevation or eminence on the first rib for the attachment of the scalenus anterior. | |
| 112097 | Vertebral Intervertebral Notch | A groove that serves for the transmission of the vertebral artery. | |
| 112098 | Subscapular Fossa | The concave depression of the anterior surface of the scapula. | |
| 112099 | Scapular Spine | A sloping ridge dividing the dorsal surface of the scapula into the supraspinatous fossa (above), and the infraspinatous fossa (below). | |
| 112100 | Scapular Supraspinatus Fossa | The portion of the dorsal surface of the scapula above the scapular spine. | |
| 112101 | Scapular Infraspinatus Fossa | The portion of the dorsal surface of the scapula below the scapular spine. | |
| 112102 | Aortic knob | The portion of the aortic arch that defines the transition between its ascending and descending limbs. | |
| 112103 | Arch of the Azygos vein | Section of Azygos vein near the fourth thoracic vertebra, where it arches forward over the root of the right lung, and ends in the superior vena cava, just before that vessel pierces the pericardium. | |
| 112104 | Air-fluid level | A local collection of gas and liquid that, when traversed by a horizontal X-ray beam, creates a shadow characterized by a sharp horizontal interface between gas density above and liquid density below [Fraser and Pare]. | |
| 112105 | Corona radiata | A circumferential pattern of fine linear spicules, approximately 5 | |



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| | | mm long, extending outward from the margin of a solitary pulmonary nodule through a zone of relative lucency [Fraser and Pare]. | |
| 112106 | Honeycomb pattern | A number of closely approximated ring shadows representing air spaces 5-10 mm in diameter with walls 2-3 mm thick that resemble a true honeycomb; implies “end-stage” lung [Fraser and Pare] | |
| 112107 | Fleischner’s line(s) | A straight, curved, or irregular linear opacity that is visible in multiple projections; usually situated in the lower half of the lung; vary markedly in length and width [Fraser and Pare]. | |
| 112108 | Intralobular lines | Fine linear opacities present in a lobule when the intralobular interstitium is thickened. When numerous, they may appear as a fine reticular pattern [Fraser and Pare]. | |
| 112109 | Kerley A line | Essentially straight linear opacity 2-6 cm in length and 1-3 mm in width, usually in an upper lung zone [Fraser and Pare]. | |
| 112110 | Kerley B line | A straight linear opacity 1.5-2 cm in length and 1-2 mm in width, usually at the lung base [Fraser and Pare]. | |
| 112111 | Kerley C lines | A group of branching, linear opacities producing the appearing of a fine net, at the lung base [Fraser and Pare]. | |
| 112112 | Parenchymal band | Elongated opacity, usually several millimeters wide and up to about 5 cm long, often extending to the pleura, which may be thickened and retracted at the site of contact [Fraser and Pare]. | |
| 112113 | Reticular pattern | A collection of innumerable small linear opacities that together produce an appearance resembling a net [Fraser and Pare]. | |
| 112114 | Septal line(s) | Usually used in the plural, a generic term for linear opacities of varied distribution produced when the interstitium between pulmonary lobules is thickened | |



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| | | [Fraser and Pare]. | |
| 112115 | Subpleural line | A thin curvilinear opacity, a few millimeters or less in thickness, usually less than 1 cm from the pleural surface and paralleling the pleura [Fraser and Pare]. | |
| 112116 | Tramline shadow | Parallel or slightly convergent linear opacities that suggest the planar projection of tubular structures and that correspond in location and orientation to elements of the bronchial tree [Fraser and Pare]. | |
| 112117 | Tubular shadow | Paired, parallel, or slightly convergent linear opacities presumed to represent the walls of a tubular structure seen en face; used if the anatomic nature of a shadow is obscure [Fraser and Pare]. | |
| 112118 | Density | The opacity of a radiographic shadow to visible light; film blackening; the term should never be used to mean an “opacity” or “radiopacity” [Fraser and Pare]. | |
| 112119 | Dependent opacity | Subpleural increased attenuation in dependent lung. The increased attenuation disappears when the region of lung is nondependent; a.k.a. dependent increased attenuation [Fraser and Pare]. | |
| 112120 | Ground glass opacity | Hazy increased attenuation of lung, but with preservation of bronchial and vascular margins; caused by partial filling of air spaces, interstitial thickening, partial collapse of alveoli, normal expiration, or increased capillary blood volume [Fraser and Pare]. | |
| 112121 | Infiltrate | Any ill-defined opacity in the lung [Fraser and Pare]. | |
| 112122 | Micronodule | Discrete, small, round, focal opacity of at least soft tissue attenuation and with a diameter no greater than 7 mm [Fraser and Pare]. | |
| 112123 | Phantom tumor (pseudotumor) | A shadow produced by a local collection of fluid in one of the interlobar fissures, usually elliptic in one radiographic projection and rounded in the other, | |



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| | | resembling a tumor [Fraser and Pare]. | |
| 112124 | Shadow | Any perceptible discontinuity in film blackening attributed to the attenuation of the X-ray beam by a specific anatomic absorber or lesion on or within the body of the patient; to be employed only when more specific identification is not possible [Fraser and Pare]. | |
| 112125 | Small irregular opacities | Term used to define a reticular pattern specific to pneumoconioses [Fraser and Pare]. | |
| 112126 | Small rounded opacities | Term used to define a nodular pattern specific to pneumoconioses [Fraser and Pare]. | |
| 112127 | Tree-in-bud sign | Nodular dilation of centrilobular branching structures that resembles a budding tree and represents exudative bronchiolar dilation [Fraser and Pare]. | |
| 112128 | Granular pattern | Any extended, finely granular pattern of pulmonary opacity within which normal anatomic details are partly obscured [Fraser and Pare]. | |
| 112129 | Miliary pattern | A collection of tiny discrete opacities in the lungs, each measuring 2 mm or less in diameter, generally uniform in size and widespread in distribution [Fraser and Pare]. | |
| 112130 | Mosaic pattern | Generalized pattern of relatively well defined areas in the lung having different X-ray attenuations due to a longstanding underlying pulmonary disease. | |
| 112131 | Extremely small | A qualitative descriptor of a size that is dramatically less than typical. | |
| 112132 | Very small | A qualitative descriptor of a size that is considerably less than typical. | |
| 112133 | Too small | A qualitative descriptor of a size that is so small as to be abnormal versus expected size. | |
| 112134 | Elliptic | Shaped like an ellipse (oval). | |
| 112135 | Lobulated | A border shape that is made up | |



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| | | of, provided with, or divided into lobules (small lobes, curved or rounded projections or divisions). | |
| 112136 | Spiculated | Radially orientated border shape. | |
| 112137 | Sharply defined | The border of a shadow (opacity) is sharply defined [Fraser and Pare]. | |
| 112138 | Distinctly defined | The border of a shadow (opacity) is distinctly defined [Fraser and Pare]. | |
| 112139 | Well demarcated | The border of a shadow (opacity) is well distinct from adjacent structures [Fraser and Pare]. | |
| 112140 | Sharply demarcated | The border of a shadow (opacity) is sharply distinct from adjacent structures [Fraser and Pare]. | |
| 112141 | Poorly demarcated | The border of a shadow (opacity) is poorly distinct from adjacent structures [Fraser and Pare]. | |
| 112142 | Circumscribed | A shadow (opacity) possessing a complete or nearly complete visible border [Fraser and Pare]. | |
| 112143 | Air | Inspired atmospheric gas. The word is sometimes used to describe gas within the body regardless of its composition or site [Fraser and Pare]. | |
| 112144 | Soft tissue | Material having X-ray attenuation properties similar to muscle. | |
| 112145 | Calcium | Material having X-ray attenuation properties similar to calcium, a silver-white bivalent metallic element occurring in plants and animals. | |
| 112146 | Acinar | A pulmonary opacity 4-8 mm in diameter, presumed to represent anatomic acinus, or a collection of opacities in the lung, each measuring 4-8 mm in diameter, and together producing an extended, homogeneous shadow [Fraser and Pare]. | |
| 112147 | Air space | The gas-containing portion of the lung parenchyma, including the acini and excluding the interstitium [Fraser and Pare]. | |



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| 112148 | Fibronodular | Sharply defined, approximately circular opacities occurring singly or in clusters, usually in the upper lobes [Fraser and Pare]. | |
| 112149 | Fluffy | A shadow (opacity) that is ill-defined, lacking clear-cut margins [Fraser and Pare]. | |
| 112150 | Linear | A shadow resembling a line; any elongated opacity of approximately uniform width [Fraser and Pare]. | |
| 112151 | Profusion | The number of small opacities per unit area or zone of lung. In the International Labor Organization (ILO) classification of radiographs of the pneumoconioses, the qualifiers 0 through 3 subdivide the profusion into 4 categories. The profusion categories may be further subdivided by employing a 12-point scale [Fraser and Pare]. | |
| 112152 | Silhouette sign | The effacement of an anatomic soft tissue border by either a normal anatomic structure or a pathologic state such as airlessness of adjacent lung or accumulation of fluid in the contiguous pleural space; useful in detecting and localizing an opacity along the axis of the X-ray beam [Fraser and Pare]. | |
| 112153 | Subpleural | Situated or occurring between the pleura and the body wall. | |
| 112154 | Bat's wing distribution | Spatial arrangement of opacities that bears vague resemblance to the shape of a bat in flight; bilaterally symmetric [Frasere and Pare]. | |
| 112155 | Butterfly distribution | Spatial arrangement of opacities that bears vague resemblance to the shape of a butterfly in flight; bilaterally symmetric [Frasere and Pare]. | |
| 112156 | Centrilobular | Referring to the region of the bronchioloarteriolar core of a secondary pulmonary lobule [Fraser and Pare]. | |
| 112157 | Coalescent | The joining together of a number of opacities into a single opacity [Fraser and Pare]. | |



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| 112158 | Lobar | Of or relating to a lobe (a curved or rounded projection or division). For example, involving an entire lobe of the lung. | |
| 112159 | Hyper-acute | Extremely or excessively acute, as a qualitative measure of severity. | |
| 112160 | Homogeneous (uniform opacity) | Of uniform opacity or texture throughout [Fraser and Pare]. | |
| 112161 | Inhomogeneous | Lack of homogeneity in opacity or texture. | |
| 112162 | Target | Discrete opacity centrally within a larger opacity, as a calcification descriptor. | |
| 112163 | Fibrocalcific | Pertaining to sharply defined, linear, and/or nodular opacities containing calcification(s) [Fraser and Pare]. | |
| 112164 | Flocculent | Calcifications made up of loosely aggregated particles, resembling wool. | |
| 112165 | Difference in border shape | A change in the shape formed by the boundary or edges of a finding or feature. | |
| 112166 | Difference in border definition | A change in the clarity of the boundary or edges of a finding or feature. | |
| 112167 | Difference in distribution | A change in the extent of spreading of a finding or feature. | |
| 112168 | Difference in site involvement | A change in the part(s) of the anatomy affected or encompassed by a finding or feature. | |
| 112169 | Difference in Type of Content | A change in the matter or substance within a finding or feature. | |
| 112170 | Difference in Texture | A change in the surface or consistency of a finding or feature. | |
| 112171 | Fiducial mark | A location in image space, which may or may not correspond to an anatomical reference, which is often used for registering data sets. | |
| 112172 | Portacath | Connected to an injection chamber placed under the skin in the upper part of the chest. When it is necessary to inject some drug, a specific needle is put in the chamber through the skin and a silicon membrane. | |



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| | | The advantage of a portacath is that it may be left in place several months contrarily of "classical" cathethers. | |
| 112173 | Chest tube | A tube inserted into the chest wall from outside the body, for drainage. Sometimes used for collapsed lung. Usually connected to a receptor placed lower than the insertion site. | |
| 112174 | Central line | A tube placed into the subclavian vein to deliver medication directly into the venous system. | |
| 112175 | Kidney stent | A stent is a tube inserted into another tube. Kidney stent is a tube that is inserted into the kidney, ureter, and bladder, to help drain urine. Usually inserted through a scoping device presented through the urethra. | |
| 112176 | Pancreatic stent | A stent is a tube inserted into another tube. Pancreatic stent is inserted through the common bile duct to the pancreatic duct, to drain bile. | |
| 112177 | Nipple ring | A non-lesion object which appears to be a circular band, attached to the body via pierced nipple. | |
| 112178 | Coin | A non-lesion object which appears to be a flat round piece of metal. | |
| 112179 | Minimum Attenuation Coefficient | The least quantity assignable, admissible, or possible; the least of a set of X-ray attenuation coefficients. | |
| 112180 | Maximum Attenuation Coefficient | The greatest quantity or value attainable or attained; the largest of a set of X-ray attenuation coefficients. | |
| 112181 | Mean Attenuation Coefficient | The value that is computed by dividing the sum of a set of X-ray attenuation coefficients by the number of values. | |
| 112182 | Median Attenuation Coefficient | The value in an ordered set of X-ray attenuation coefficients, below and above which there is an equal number of values. | |
| 112183 | Standard Deviation of Attenuation | For a set of X-ray attenuation coefficients: 1) a measure of the | |



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| | Coefficient | dispersion of a frequency distribution that is the square root of the arithmetic mean of the squares of the deviation of each of the class frequencies from the arithmetic mean of the frequency distribution; 2) a parameter that indicates the way in which a probability function or a probability density function is centered around its mean and that is equal to the square root of the moment in which the deviation from the mean is squared. | |
| 112184 | Performance of Pediatric and Adult Thoracic CT | American College of Radiology. ACR Standard for the Performance of Pediatric and Adult Thoracic Computed Tomography (CT). In: Standards. Reston, Va: 2001:103-107. | |
| 112185 | Performance of CT for Detection of Pulmonary Embolism in Adults | American College of Radiology. ACR Standard for the Performance of Computed Tomography for the Detection of Pulmonary Embolism in Adults. In: Standards. Reston, Va: 2001:109-113. | |
| 112186 | Performance of High-Resolution CT of the Lungs in Adults | American College of Radiology. ACR Standard for the Performance of High-Resolution Computed Tomography (HRCT) of the Lungs in Adults. In: Standards. Reston, Va: 2001:115-118. | |
| 112187 | Unspecified method of calculation | The method of calculation of a measurement or other type of numeric value is not specified. | |
| 112191 | Breast tissue density | The relative density of parenchymal tissue as a proportion of breast volume | |
| 112192 | Volume of parenchymal tissue | The volume of parenchymal tissue | |
| 112193 | Volume of breast | The volume of the breast | |
| 112194 | Mass of parenchymal tissue | The mass of parenchymal tissue | |
| 112195 | Mass of breast | The mass of the breast | |
| 112196 | Area of Vascular Calcification | A measured or calculated area of vascular calcification | |
| 112197 | Volume of Vascular Calcification | A measured or calculated volume of vascular calcification | |



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|---|---|---|---|
| 112198 | Percentage of Vascular Calcification | A measured or calculated percentage of vascular calcification | |
| 112199 | Mass of Vascular Calcification | A measured or calculated mass of vascular calcification | |
| 113000 | Of Interest | Of Interest | |
| 113001 | Rejected for Quality Reasons | Rejected for Quality Reasons | |
| 113002 | For Referring Provider | For Referring Provider | |
| 113003 | For Surgery | For Surgery | |
| 113004 | For Teaching | For Teaching | |
| 113005 | For Conference | For Conference | |
| 113006 | For Therapy | For Therapy | |
| 113007 | For Patient | For Patient | |
| 113008 | For Peer Review | For Peer Review | |
| 113009 | For Research | For Research | |
| 113010 | Quality Issue | Quality Issue | |
| 113011 | Document Title Modifier | Document Title Modifier | |
| 113012 | Key Object Description | Key Object Description | |
| 113013 | Best In Set | | |
| 113014 | Study | | |
| 113015 | Series | | |
| 113016 | Performed Procedure Step | | |
| 113017 | Stage-View | | |
| 113018 | For Printing | For Printing | |
| 113020 | For Report Attachment | Selection of information objects for attachment to the clinical report of the Current Requested Procedure | |
| 113026 | Double exposure | Double exposure | |
| 113030 | Manifest | A list of objects that have been exported out of one organizational domain into another domain. Typically, the first domain has no direct control over what the second domain will do with the objects. | |
| 113031 | Signed Manifest | A signed list of objects that have been exported out of one organizational domain into another domain, referenced securely with either Digital Signatures or MACs. Typically, | |



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| | | the first domain has no direct control over what the second domain will do with the objects. | |
| 113032 | Complete Study Content | The list of objects that constitute a study at the time that the list was created. | |
| 113033 | Signed Complete Study Content | The signed list of objects that constitute a study at the time that the list was created, referenced securely with either Digital Signatures or MACs. | |
| 113034 | Complete Acquisition Content | The list of objects that were generated in a single procedure step. | |
| 113035 | Signed Complete Acquisition Content | The signed list of objects that were generated in a single procedure step, referenced securely with either Digital Signatures or MACs. | |
| 113036 | Group of Frames for Display | A list of frames or single-frame or entire multi-frame instances that together constitute a set for some purpose, such as might be displayed together in the same viewport, as distinct from another set that might be displayed in a separate viewport. | |
| 113040 | Lossy Compression | Lossy compression has been applied to an image. | |
| 113041 | Apparent Diffusion Coefficient | The image is derived by calculation of the apparent diffusion coefficient. | |
| 113042 | Pixel by pixel addition | The image is derived by the pixel by pixel addition of two images. | |
| 113043 | Diffusion weighted | The image is derived by calculation of the diffusion weighting. | |
| 113044 | Diffusion Anisotropy | The image is derived by calculation of the diffusion anisotropy. | |
| 113045 | Diffusion Attenuated | The image is derived by calculation of the diffusion attenuation. | |
| 113046 | Pixel by pixel division | The image is derived by the pixel by pixel division of two images. | |
| 113047 | Pixel by pixel mask | The image is derived by the pixel by pixel masking of one image by another. | |
| 113048 | Pixel by pixel Maximum | The image is derived by calculating the pixel by pixel maximum of two or more | |



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| | | images. | |
| 113049 | Pixel by pixel mean | The image is derived by calculating the pixel by pixel mean of two or more images. | |
| 113050 | Metabolite Maps from spectroscopy data | The image is derived by calculating from spectroscopy data pixel values localized in two dimensional space based on the concentration of specific metabolites (i.e, at specific frequencies). | |
| 113051 | Pixel by pixel Minimum | The image is derived by calculating the pixel by pixel minimum of two or more images. | |
| 113052 | Mean Transit Time | The image is derived by calculating mean transit time values. | |
| 113053 | Pixel by pixel multiplication | The image is derived by the pixel by pixel multiplication of two images. | |
| 113054 | Negative Enhancement Integral | The image is derived by calculating negative enhancement integral values. | |
| 113055 | Regional Cerebral Blood Flow | The image is derived by calculating regional cerebral blood flow values. | |
| 113056 | Regional Cerebral Blood Volume | The image is derived by calculating regional cerebral blood volume values. | |
| 113057 | R-Coefficient Map | The image is derived by calculating R-Coefficient map values | |
| 113058 | Proton Density map | The image is derived by calculating proton density values. | |
| 113059 | Signal Change Map | The image is derived by calculating signal change values. | |
| 113060 | Signal to Noise Map | The image is derived by calculating the signal to noise ratio. | |
| 113061 | Standard Deviation | The image is derived by calculating the standard deviation of two or more images. | |
| 113062 | Pixel by pixel subtraction | The image is derived by the pixel by pixel subtraction of two images. | |
| 113063 | T1 Map | The image is derived by calculating T1 values. | |
| 113064 | T2* Map | The image is derived by calculating T2* values. | |



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| 113065 | T2 Map | The image is derived by calculating T2 values. | |
| 113066 | Time Course of Signal | The image is derived by calculating values based on the time course of signal. | |
| 113067 | Temperature encoded | The image is derived by calculating values based on temperature encoding. | |
| 113068 | Student's T-Test | The image is derived by calculating the value of the Student's T-Test statistic from multiple image samples. | |
| 113069 | Time To Peak map | The image is derived by calculating values based on the time to peak. | |
| 113070 | Velocity encoded | The image is derived by calculating values based on velocity encoded (e.g., phase contrast). | |
| 113071 | Z-Score Map | The image is derived by calculating the value of the Z-Score statistic from multiple image samples. | |
| 113072 | Multiplanar reformatting | The image is derived by reformatting in a flat plane other than that originally acquired. | |
| 113073 | Curved multiplanar reformatting | The image is derived by reformatting in a curve plane other than that originally acquired. | |
| 113074 | Volume rendering | The image is derived by volume rendering of acquired data. | |
| 113075 | Surface rendering | The image is derived by surface rendering of acquired data. | |
| 113076 | Segmentation | The image is derived by segmentation (classification into tissue types) of acquired data. | |
| 113077 | Volume editing | The image is derived by selectively editing acquired data (removing values from the volume), such as in order to remove obscuring structures or noise. | |
| 113078 | Maximum intensity projection | The image is derived by maximum intensity projection of acquired data. | |
| 113079 | Minimum intensity projection | The image is derived by minimum intensity projection of acquired data. | |
| 113080 | Glutamate and glutamine | For single-proton MR spectroscopy, the resonance | |



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| | | | |
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| | glutamine | peak corresponding to glutamate and glutamine. | |
| 113081 | Choline/Creatine Ratio | For single-proton MR spectroscopy, the ratio between the Choline and Creatine resonance peaks. | |
| 113082 | N-acetylaspartate /Creatine Ratio | For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Creatine resonance peaks. | |
| 113083 | N-acetylaspartate /Choline Ratio | For single-proton MR spectroscopy, the ratio between the N-acetylaspartate and Choline resonance peaks. | |
| 113085 | Spatial resampling | The image is derived by spatial resampling of acquired data. | |
| 113086 | Edge enhancement | The image is derived by edge enhancement. | |
| 113087 | Smoothing | The image is derived by smoothing. | |
| 113088 | Gaussian blur | The image is derived by Gaussian blurring. | |
| 113089 | Unsharp mask | The image is derived by unsharp masking. | |
| 113090 | Image stitching | The image is derived by stitching two or more images together. | |
| 113611 | Stationary Acquisition | Acquisition where the x-ray source does not move in relation to the patient | |
| 113612 | Stepping Acquisition | Acquisition where the x-ray source moves laterally in relation to the patient | |
| 113613 | Rotational Acquisition | Acquisition where the x-ray source moves angularly in relation to the patient | |
| 113620 | Plane A | Primary plane of a Biplane acquisition equipment | |
| 113621 | Plane B | Secondary plane of a Biplane acquisition equipment | |
| 113622 | Single Plane | Single plane acquisition equipment | |
| 113630 | Continuous | Continuous x-ray radiation is applied during an irradiation event | |
| 113631 | Pulsed | Pulsed x-ray radiation is applied during an irradiation event | |
| 113650 | Strip filter | Filter with uniform thickness | |
| 113651 | Wedge filter | Filter with variation in thickness from one edge to the opposite | |



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| | | | |
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| | | edge | |
| 113652 | Butterfly filter | Filter with two triangular sections | |
| 113661 | Outline of lobulations | A polyline defining the outline of a lobulated finding | |
| 113662 | Inner limits of fuzzy margin | A polyline defining the inner limits of a finding with fuzzy margin | |
| 113663 | Outer limits of fuzzy margin | A polyline defining the outer limits of a finding with fuzzy margin | |
| 113664 | Outline of spiculations | A polyline defining the outline of the spiculations of a finding | |
| 113665 | Linear spiculation | A polyline segment graphically indicating the location and direction of a spiculation of a finding | |
| 113666 | Pixelated spiculations | A collection of points indicating the pixel locations of the spiculations of a finding | |
| 113669 | Orthogonal location arc | Connected line segments indicating the center of location of a finding on an orthogonal view | |
| 113670 | Orthogonal location arc inner margin | Connected line segments indicating the inner margin of the location of a finding on an orthogonal view | |
| 113671 | Orthogonal location arc outer margin | Connected line segments indicating the outer location of a finding on an orthogonal view | |
| 113681 | Phantom | An artificial subject of an imaging study. | |
| 113682 | ACR Accreditation Phantom - CT | A phantom acceptable for the ACR Computed Tomography Accreditation program | |
| 113683 | ACR Accreditation Phantom - MR | A phantom acceptable for the ACR Magnetic Resonance Imaging Accreditation program | |
| 113684 | ACR Accreditation Phantom - Mammography | A phantom acceptable for the ACR Mammography Accreditation program | |
| 113685 | ACR Accreditation Phantom – Stereotactic Breast Biopsy | A phantom acceptable for the ACR Stereotactic Breast Biopsy Accreditation program | |
| 113686 | ACR Accreditation Phantom - ECT | A phantom acceptable for the ACR SPECT Accreditation program (but not for PET) | |
| 113687 | ACR Accreditation Phantom - PET | A phantom acceptable for the ACR PET Accreditation program | |



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| | | (but not for SPECT) | |
| 113688 | ACR Accreditation Phantom – ECT/PET | A SPECT phantom with a PET faceplate acceptable for both the ACR SPECT and PET Accreditation programs | |
| 113689 | ACR Accreditation Phantom – PET Faceplate | A PET faceplate (made to fit an existing flangeless or flanged ECT phantom) acceptable for the ACR PET Accreditation program | |
| 113690 | IEC Head Dosimetry Phantom | A phantom acceptable for head dosimetry measurements according to IEC 60601-2-44, Ed.2.1 | |
| 113691 | IEC Body Dosimetry Phantom | A phantom acceptable for body dosimetry measurements according to IEC 60601-2-44, Ed.2.1 | |
| 113692 | NEMA XR21-2000 Phantom | A phantom in accordance with NEMA standard XR-21-2000 | |
| 113701 | X-Ray Radiation Dose Report | X-Ray Radiation Dose Report | |
| 113702 | Accumulated X-Ray Dose Data | X-Ray dose data accumulated over multiple irradiation events, e.g., for a study or a performed procedure step | |
| 113704 | Projection X-Ray | Imaging using a point X-ray source with a diverging beam projected onto a 2 dimensional detector | |
| 113705 | Scope of Accumulation | Entity over which dose accumulation values are integrated | |
| 113706 | Irradiation Event X-Ray Data | X-Ray dose data for a single Irradiation Event | |
| 113710 | Niobium or Niobium compound | Material containing Niobium or a Niobium compound | |
| 113711 | Europium or Europium compound | Material containing Europium or a Europium compound | |
| 113721 | Irradiation Event Type | Denotes the type of irradiation event recorded | |
| 113722 | Dose Area Product Total | Total calculated Dose Area Product (in the scope of the including report) | |
| 113723 | Calibration Date | Last calibration Date for the integrated dose meter or dose calculation | |
| 113724 | Calibration Responsible Party | Individual or organization responsible for calibration | |
| 113725 | Dose (RP) Total | Total Dose related to Reference | |



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| | | Point (RP). (in the scope of the including report) | |
| 113726 | Fluoro Dose Area Product Total | Total calculated Dose Area Product applied in Fluoroscopy Modes (in the scope of the including report). | |
| 113727 | Acquisition Dose Area Product Total | Total calculated Dose Area Product applied in Acquisition Modes (in the scope of the including report). | |
| 113728 | Fluoro Dose (RP) Total | Dose applied in Fluoroscopy Modes, related to Reference Point (RP). (in the scope of the including report) | |
| 113729 | Acquisition Dose (RP) Total | Dose applied in Acquisition Modes, related to Reference Point (RP). (in the scope of the including report) | |
| 113730 | Total Fluoro Time | Total accumulated time of Fluoroscopy (in the scope of the including report) | |
| 113731 | Total Number of Radiographic Frames | Accumulated Count of Frames (single or multi-frame) created from irradiation events performed with high dose (acquisition). | |
| 113732 | Fluoro Mode | Mode of application of X-Rays during Fluoroscopy | |
| 113733 | KVP | Applied X-Ray Tube voltage at peak of X-ray generation, in kilovolts; Mean value if measured over multiple peaks (pulses) | |
| 113734 | X-Ray Tube Current | Mean value of applied Tube Current | |
| 113735 | Exposure Time | Cumulative time the patient has received X-Ray exposure during the irradiation event | |
| 113736 | Exposure | Mean value of X-Ray Current Time product | |
| 113737 | Distance Source to Reference Point | Distance to the Reference Point (RP) defined according to IEC 60601-2-43 or equipment defined. | |
| 113738 | Dose (RP) | Dose applied at the Reference Point (RP). | |
| 113739 | Positioner Primary End Angle | Positioner Primary Angle at the end of an irradiation event. For further definition see (112011,DCM,”Positioner Primary Angle”) | |



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| 113740 | Positioner Secondary End Angle | Positioner Secondary Angle at the end of an irradiation event. For further definition see (112012,DCM,"Positioner Secondary Angle") | |
| 113742 | Irradiation Duration | Clock time from the start of the first irradiation in the irradiation event until the end of the last irradiation in the same irradiation event. For continuous modes this the time the irradiation intensity is above a 50% threshold with respect to the maximum intensity achieved during an irradiation event. | |
| 113743 | Patient Orientation | Orientation of the Patient with respect to Gravity | |
| 113744 | Patient Orientation Modifier | Enhances or modifies the Patient orientation specified in Patient Orientation | |
| 113745 | Patient Table Relationship | Orientation of the Patient with respect to the Head of the Table | |
| 113748 | Distance Source to Isocenter | Distance from the X-Ray Source to the Equipment C-Arm Isocenter.(Center of Rotation). | |
| 113750 | Distance Source to Detector | Measured or calculated distance from the X-Ray source to the detector plane in the center of the beam. | |
| 113751 | Table Longitudinal Position | Table Longitudinal Position with respect to an arbitrary chosen reference by the equipment. Table motion towards LAO is positive assuming that the patient is positioned supine and its head is in normal position. | |
| 113752 | Table Lateral Position | Table Lateral Position with respect to an arbitrary chosen reference by the equipment. Table motion towards CRA is positive assuming that the patient is positioned supine and its head is in normal position. | |
| 113753 | Table Height Position | Table Height Position with respect to an arbitrary chosen reference by the equipment in (mm). Table motion downwards is positive | |
| 113754 | Table Head Tilt Angle | Angle of the head-feet axis of the table in degrees relative to the horizontal plane. Positive values indicate that the head of the table is upwards. | |



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| 113755 | Table Horizontal Rotation Angle | Rotation of the table in the horizontal plane (clockwise when looking from above the table). | |
| 113756 | Table Cradle Tilt Angle | Angle of the left-right axis of the table in degrees relative to the horizontal plane. Positive values indicate that the left of the table is upwards. | |
| 113757 | X-Ray Filter Material | X-Ray absorbing material used in the filter. | |
| 113758 | X-Ray Filter Thickness Minimum | The minimum thickness of the X-Ray absorbing material used in the filters. | |
| 113763 | Calibration Uncertainty | Uncertainty of the 'actual' value. | |
| 113764 | Acquisition Plane | Identification of Acquisition Plane with Biplane systems. | |
| 113766 | Focal Spot Size | Nominal Size of Focal Spot of X-Ray Tube | |
| 113767 | Average X-Ray Tube Current | Average X-Ray Tube Current averaged over time for pulse or for continuous Fluoroscopy | |
| 113768 | Number of Pulses | Number of pulses applied by X-Ray systems during an irradiation event (acquisition run or pulsed fluoro) | |
| 113769 | Irradiation Event UID | Unique identification of a single irradiation event | |
| 113770 | Column Angulation | Angle of the X-Ray beam in degree relative to an orthogonal axis to the detector plane. | |
| 113771 | X-Ray Filters | Devices used to modify the energy or energy distribution of X-rays | |
| 113772 | X-Ray Filter Type | Type of filter(s) inserted into the X-Ray beam (e.g. wedges). | |
| 113773 | X-Ray Filter Thickness Maximum | The maximum thickness of the X-Ray absorbing material used in the filters. | |
| 113780 | Reference Point Definition | System provided definition of the Reference Point used for Dose calculations. | |
| 113790 | Collimated Field Area | Collimated field area at image receptor. Area for compatibility with IEC 60601-2-43. | |
| 113791 | Pulse Rate | Pulse rate applied by equipment during Fluoroscopy | |
| 113792 | Distance Source to Table Plane | Measured or calculated distance from the X-Ray source to the table plane in the center of the | |



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| | | | |
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| | | beam. | |
| 113793 | Pulse Width | (Average) X-ray pulse width | |
| 113794 | Dose Measurement Device | Calibrated device to perform dose measurements. | |
| 113795 | Acquired Image | Image acquired during a specified event. | |
| 114000 | Not a number | Measurement not available: Not a number (per IEEE 754) | |
| 114001 | Negative Infinity | Measurement not available: Negative Infinity (per IEEE 754) | |
| 114002 | Positive Infinity | Measurement not available: Positive Infinity (per IEEE 754) | |
| 114003 | Divide by zero | Measurement not available: Divide by zero (per IEEE 754) | |
| 114004 | Underflow | Measurement not available: Underflow (per IEEE 754) | |
| 114005 | Overflow | Measurement not available: Overflow (per IEEE 754) | |
| 114006 | Measurement failure | Measurement not available: Measurement failure | |
| 114007 | Measurement not attempted | Measurement not available: Measurement not attempted | |
| 114008 | Calculation failure | Measurement not available: Calculation failure | |
| 114009 | Value out of range | Measurement not available: Value out of range | |
| 114010 | Value unknown | Measurement not available: Value unknown | |
| 114011 | Value indeterminate | Measurement not available: Value indeterminate | |
| 121001 | Quotation Mode | Type of source for observations quoted from an external source | |
| 121002 | Quoted Source | Reference to external source of quoted observations | |
| 121003 | Document | Documentary source of quoted observations | |
| 121004 | Verbal | Verbal source of quoted observations | |
| 121005 | Observer Type | Type of observer that created the observations | |
| 121006 | Person | Human observer created the observations | |
| 121007 | Device | Automated device created the observations | |
| 121008 | Person Observer Name | Name of human observer that created the observations | |
| 121009 | Person Observer's | Organization or institution with | |



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| | Organization Name | which the human observer is affiliated for the context of the current observation | |
| 121010 | Person Observer's Role in the Organization | Organizational role of human observer for the context of the current observation | |
| 121011 | Person Observer's Role in this Procedure | Procedural role of human observer for the context of the current observation | |
| 121012 | Device Observer UID | Unique identifier of automated device that created the observations | |
| 121013 | Device Observer Name | Institution-provided identifier of automated device that created the observations | |
| 121014 | Device Observer Manufacturer | Manufacturer of automated device that created the observations | |
| 121015 | Device Observer Model Name | Manufacturer-provided model name of automated device that created the observations | |
| 121016 | Device Observer Serial Number | Manufacturer-provided serial number of automated device that created the observations | |
| 121017 | Device Observer Physical Location During Observation | Location of automated device that created the observations whilst the observations were being made. | |
| 121018 | Procedure Study Instance UID | | |
| 121019 | Procedure Study Component UID | | |
| 121020 | Procedure HL7 Placer Number of Evidence | | |
| 121021 | Procedure HL7 Filler Number of Evidence | | |
| 121022 | Procedure Accession Number | | |
| 121023 | Procedure Code | | |
| 121024 | Subject Class | Type of observation subject | |
| 121025 | Patient | A patient is the subject of observations | |
| 121026 | Fetus | Fetus of patient is the subject of observations | |
| 121027 | Specimen | Specimen is the subject of observations | |
| 121028 | Subject UID | Unique Identifier of patient or fetus who is the subject of observations | |



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| 121029 | Subject Name | Name of patient who is the subject of observations | |
| 121030 | Subject ID | Identifier of patient or fetus who is the subject of observations | |
| 121031 | Subject Birth Date | Birth Date of patient who is the subject of observations | |
| 121032 | Subject Sex | Sex of patient who is the subject of observations | |
| 121033 | Subject Age | Age of patient who is the subject of observations | |
| 121034 | Subject Species | Species of patient who is the subject of observations | |
| 121035 | Subject Breed | The breed of the subject | |
| 121036 | Mother of fetus | Name of mother of fetus which is the subject of observations | |
| *121037* | *Fetus number* | | *Retired. Replaced with (11951-1,LN, "Fetus ID").* |
| *121038* | *Number of Fetuses* | | *Retired. Replaced with (11878-6,LN, "Number of Fetuses").* |
| 121039 | Specimen UID | Unique Identifier of specimen which is the subject of observations | |
| 121040 | Specimen Accession Number | Accession Number of specimen which is the subject of observations | |
| 121041 | Specimen Identifier | Identifier of specimen which is the subject of observations | |
| 121042 | Specimen Type | Coded category of specimen which is the subject of observations | |
| 121043 | Slide Identifier | Identifier of specimen microscope slide which is the subject of observations | |
| 121044 | Slide UID | Unique Identifier of specimen microscope slide which is the subject of observations | |
| 121045 | Language | | |
| 121046 | Country of Language | | |
| 121047 | Language of Value | | |
| 121048 | Language of Name and Value | | |
| 121049 | Language of Content Item and Descendants | | |
| 121050 | Equivalent Meaning of Concept Name | | |
| 121051 | Equivalent Meaning of Value | | |



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| 121052 | Presence of property | | |
| *121053* | *Present* | | *Retired. Replaced with (G A203, SRT, "Present")* |
| *121054* | *Absent* | | *Retired. Replaced with (R 4089B, SRT, "Absent")* |
| 121055 | Path | A set of points on an image, that when connected by line segments, provide a polyline from which a linear measurement was inferred | |
| 121056 | Area outline | A set of points on an image, that when connected by line segments, provide a closed polyline that is the border of a defined region from which an area, or two-dimensional measurement, was inferred | |
| 121057 | Perimeter outline | A set of points on an image, that when connected by line segments, provide a closed polyline that is a two-dimensional border of a three-dimensional region's intersection with, or projection into the image | |
| 121058 | Procedure reported | | |
| *121059* | *Presence Undetermined* | *Presence or absence of a property is undetermined* | *Retired. Replaced with (R 4089B, SRT, "Undetermined")* |
| 121060 | History | | |
| 121062 | Request | | |
| 121064 | Current Procedure Descriptions | | |
| 121065 | Procedure Description | | |
| 121066 | Prior Procedure Descriptions | | |
| 121068 | Previous Findings | | |
| 121069 | Previous Finding | | |
| 121070 | Findings | | |
| 121071 | Finding | | |
| 121072 | Impressions | | |
| 121073 | Impression | | |
| 121074 | Recommendations | | |
| 121075 | Recommendation | | |
| 121076 | Conclusions | | |
| 121077 | Conclusion | | |
| 121078 | Addendum | | |
| 121079 | Baseline | | |



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| 121080 | Best illustration of finding | | |
| 121081 | Physician | | |
| 121082 | Nurse | | |
| 121083 | Technologist | | |
| 121084 | Radiographer | | |
| 121085 | Intern | | |
| 121086 | Resident | | |
| 121087 | Registrar | | |
| 121088 | Fellow | | |
| 121089 | Attending [Consultant] | | |
| 121090 | Scrub nurse | | |
| 121091 | Surgeon | | |
| 121092 | Sonologist | | |
| 121093 | Sonographer | | |
| 121094 | Performing | | |
| 121095 | Referring | | |
| 121096 | Requesting | | |
| 121097 | Recording | | |
| 121098 | Verifying | | |
| 121099 | Assisting | | |
| 121100 | Circulating | | |
| 121101 | Standby | | |
| 121102 | Other sex | Other sex | |
| 121103 | Undetermined sex | Sex of subject undetermined at time of encoding | |
| 121104 | Ambiguous sex | Ambiguous sex | |
| 121105 | Radiation Physicist | Radiation Physicist | |
| 121106 | Comment | Comment | |
| 121109 | Indications for Procedure | Indications for Procedure | |
| 121110 | Patient Presentation | Patient condition at the beginning of a healthcare encounter | |
| 121111 | Summary | Summary of a procedure, including most significant findings | |
| 121112 | Source of measurement | Image or waveform used as source for measurement | |
| 121113 | Complications | Complications from a procedure | |
| 121114 | Performing Physician | Physician who performed a procedure | |
| 121115 | Discharge Summary | Summary of patient condition | |



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| | | upon Discharge from a healthcare facility | |
| 121116 | Proximal Finding Site | Proximal Anatomic Location for a differential measurement (e.g., distance or pressure gradient); may be considered subtype of term (G-C0E3, SRT, “Finding Site”) | |
| 121117 | Distal Finding Site | Distal Anatomic Location for a differential measurement (e.g., distance or pressure gradient); may be considered subtype of term (G-C0E3, SRT, “Finding Site”) | |
| 121118 | Patient Characteristics | Patient Characteristics (findings) | |
| 121120 | Cath Lab Procedure Log | Time-stamped record of events that occur during a catheterization procedure | |
| 121121 | Room identification | Room identification | |
| 121122 | Equipment identification | Equipment identification | |
| 121123 | Patient Status or Event | A recorded Patient Status or an event involving a patient | |
| 121124 | Procedure Action Item ID | Identification of a step, action, or phase of a procedure | |
| 121125 | DateTime of Recording of Log Entry | DateTime of Recording of an Entry in an Event Log | |
| 121126 | Performed Procedure Step SOP Instance UID | SOP Instance UID of a DICOM Modality Performed Procedure Step (MPPS) or General Purpose Performed Procedure Step (GPPPS) | |
| 121127 | Performed Procedure Step SOP Class UID | SOP Class UID for a DICOM Modality Performed Procedure Step (MPPS) or General Purpose Performed Procedure Step (GPPPS) Service | |
| 121128 | Procedure Action Duration | Duration of a step, action, or phase of a procedure | |
| 121130 | Start Procedure Action Item | Beginning of a step, action, or phase of a procedure | |
| 121131 | End Procedure Action Item | End of a step, action, or phase of a procedure | |
| 121132 | Suspend Procedure Action Item | Suspension of a step, action, or phase of a procedure | |
| 121133 | Resume Procedure Action Item | Resumption of a step, action, or phase of a procedure | |
| 121135 | Observation Datetime Qualifier | Concept modifier for the DateTime of Recording of an | |



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| | Qualifier | Entry in an Event Log | |
| 121136 | DateTime Unsynchronized | Recorded DateTime had its source in a system clock not synchronized to other recorded DateTimes | |
| 121137 | DateTime Estimated | Recorded DateTime is estimated | |
| 121138 | Image Acquired | Event of the acquisition of an image | |
| 121139 | Modality | Type of data acquisition device | |
| 121140 | Number of Frames | Number of Frames in a multi-frame image | |
| 121141 | Image Type | Descriptor of an Image | |
| 121142 | Acquisition Duration | Duration of the acquisition of an image or a waveform | |
| 121143 | Waveform Acquired | Event of the acquisition of an image | |
| 121144 | Document Title | Document Title | |
| 121145 | Description of Material | Description of Material used in a procedure | |
| 121146 | Quantity of Material | Quantity of Material used in a procedure | |
| 121147 | Billing Code | Billing Code for materials used in a procedure | |
| 121148 | Unit Serial Identifier | Unit or Device Serial Identifier | |
| 121149 | Lot Identifier | Lot Identifier | |
| 121150 | Device Code | Vendor or local coded value identifying a device | |
| 121151 | Lesion Identifier | Identification of a Lesion observed during an imaging procedure | |
| 121152 | Person administering drug/contrast | Person administering drug/contrast | |
| 121153 | Lesion Risk | Assessment of the risk a coronary lesion presents to the health of a patient | |
| 121154 | Intervention attempt identifier | Identifier for an attempted Intervention | |
| 121155 | Deployment | Use of a device to deploy another device | |
| 121156 | Percutaneous Entry Action | Action of a clinical professional at the site of percutaneous access to a patient's cardiovascular system | |
| 121157 | Begin Circulatory Support | The action or event of beginning circulatory support for a patient | |
| 121158 | End Circulatory Support | The action or event of ending circulatory support for a patient | |



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| 121160 | Oxygen Administration Rate | Rate of Oxygen Administration | |
| 121161 | Begin Oxygen Administration | The action or event of beginning administration of oxygen to a patient | |
| 121162 | End oxygen administration | The action or event of ending administration of oxygen to a patient | |
| 121163 | By ventilator | Method of administration of oxygen to a patient by ventilator | |
| 121165 | Patient Assessment Performed | The action or event of assessing the clinical status of a patient | |
| 121166 | Begin Pacing | The action or event of beginning pacing support for a patient | |
| 121167 | End Pacing | The action or event of ending pacing support for a patient | |
| 121168 | Begin Ventilation | The action or event of beginning ventilation support for a patient | |
| 121169 | End Ventilation | The action or event of ending ventilation support for a patient | |
| 121171 | Tech Note | Procedural note originated by a technologist | |
| 121172 | Nursing Note | Procedural note originated by a nurse | |
| 121173 | Physician Note | Procedural note originated by a Physician | |
| 121174 | Procedure Note | General procedural note | |
| 121180 | Key Images | List of references to images considered significant | |
| 121181 | DICOM Object Catalog | List of references to DICOM SOP Instances | |
| *121201* | *Area Outline* | | *Retired. Duplicate of (121056, DCM, "Area Outline") and not used.* |
| *121202* | *Area of Defined Region* | | *Retired. Replaced with (G-A16A, SRT, "Area of defined region").* |
| 121206 | Distance | A one dimensional, or linear, numeric measurement | |
| 121207 | Height | Vertical measurement value | |
| *121210* | *Path* | | *Retired. Duplicate of (121055, DCM, "Path") and not used.* |
| 121211 | Path length | A one dimensional, or linear, numeric measurement along a polyline | |
| *121213* | *Perimeter Outline* | | *Retired. Duplicate of (121057, DCM, "Perimeter* |



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| | | | *Outline") and not used.* |
| 121216 | Volume estimated from single 2D region | A three-dimensional numeric measurement that is approximate, based on a two-dimensional region in a single image | |
| 121217 | Volume estimated from three or more non-coplanar 2D regions | A three-dimensional numeric measurement that is approximate, based on three or more non-coplanar two-dimensional image regions | |
| 121218 | Volume estimated from two non-coplanar 2D regions | A three-dimensional numeric measurement that is approximate, based on two non-coplanar two-dimensional image regions | |
| 121219 | Volume of bounding three dimensional region | A three-dimensional numeric measurement of the bounding region of a three-dimensional region of interest in an image set | |
| 121220 | Volume of circumscribed sphere | A three-dimensional numeric measurement of the bounding sphere of a three-dimensional region of interest in an image set | |
| 121221 | Volume of ellipsoid | A three-dimensional numeric measurement of an ellipsoid shaped three-dimensional region of interest in an image set | |
| 121222 | Volume of sphere | A three-dimensional numeric measurement of a sphere shaped three-dimensional region of interest in an image set | |
| 121230 | Path Vertex | Coordinates of a point on a defined path | |
| 121242 | Distance from nipple | Indicates the location of the area of interest as measured from the nipple of the breast. | |
| 121243 | Distance from skin | Indicates the location of the area of interest as measured from the most direct skin point of the breast. | |
| 121244 | Distance from chest wall | Indicates the location of the area of interest as measured from the chest wall. | |
| 121301 | Simultaneous Doppler | | |
| 121302 | Simultaneous Hemodynamic | | |
| 121303 | Simultaneous ECG | | |
| 121304 | Simultaneous Voice Narrative | | |



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| 121311 | Localizer | Image providing an anatomical reference on the patient under examination, for the purpose of defining the location of the ensuing imaging. | |
| 121312 | Biopsy localizer | Image providing an anatomical reference on the patient under examination, for the purpose of planning or documenting a biopsy. | |
| 121313 | Other partial views | Image providing a partial view of the target anatomy, when the target anatomy is too large for a single image. | |
| 121314 | Other image of biplane pair | Image providing a view of the target anatomy in a different imaging plane, typically from a near perpendicular angle | |
| 121315 | Other image of stereoscopic pair | Image providing a view of the target anatomy in a different imaging plane, typically with a small anglular difference | |
| 121316 | Images related to standalone object | Image related to a non-image information object | |
| 121317 | Spectroscopy | Image where signals are identified and separated according to their frequencies, e.g., to identify individual chemicals, or individual nuclei in a chemical compound. | |
| 121320 | Uncompressed predecessor | An image that has not already been lossy compressed that is used as the source for creation of a lossy compressed image | |
| 121321 | Mask image for image processing operation | Image used as the mask for an image processing operation, such as subtraction | |
| 121322 | Source image for image processing operation | Image used as the source for an image processing operation | |
| 121324 | Source Image | Image used as the source for a derived or compressed image | |
| 121325 | Lossy compressed image | Image encoded with a lossy compression transfer syntax | |
| 121326 | Alternate SOP Class instance | SOP Instance encoded with a different SOP Class but otherwise equivalent data | |
| 121327 | Full fidelity image | Full fidelity image, uncompressed or lossless compressed | |
| 121328 | Alternate | Image encoded with a different | |



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| | Photometric Interpretation image | photometric interpretation | |
| 121329 | Source image for montage | Image used as a source for a montage (stitched) image | |
| 121330 | Lossy compressed predecessor | An image that has previously been lossy compressed that is used as the source for creation of another lossy compressed image | |
| 121331 | Equivalent CDA Document | HL7 Document Architecture (CDA) Document that contains clinical content equivalent to the referencing Instance | |
| 121332 | Complete Rendering for Presentation | Instance that contains a displayable complete rendering of the referencing Instance | |
| 121333 | Partial Rendering for Presentation | Instance that contains a displayable partial rendering of the referencing Instance | |
| 121334 | Extended Rendering for Presentation | Instance that contains a displayable complete rendering of the referencing Instance, plus additional content such as inline rendering of referenced images | |
| 121335 | Source Document | Document whose content has been wholly or partially transformed to create the referencing document | |
| 121338 | Anatomic image | Image showing structural anatomic features | |
| 121339 | Functional image | Image showing physical or chemical activity | |
| 121340 | Spectral filtered image | Image providing the same view of the target anatomy acquired using only a specific imaging wavelength, frequency or energy | |
| 121341 | Device localizer | Image providing an anatomical reference on the patient under examination, for the purpose of documenting the location of device such as a diagnostic or therapeutic catheter. | |
| 121401 | Derivation | Method of deriving or calculating a measured value (e.g., mean, or maximum of set) | |
| 121402 | Normality | Assessment of a measurement relative to a normal range of values; may be considered subtype of term (G-C0F2, SRT, “has interpretation”) | |
| 121403 | Level of Significance | Significance of a measurement | |



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| 121404 | Selection Status | Status of selection of a measurement for further processing or use | |
| 121405 | Population description | Description of a population of measurements | |
| 121406 | Reference Authority | Bibliographic or clinical reference for a Description of a population of measurements | |
| 121407 | Normal Range description | Description of a normal range of values for a measurement concept | |
| 121408 | Normal Range Authority | Bibliographic or clinical reference for a Description of a normal range of values | |
| 121410 | User chosen value | Observation value selected by user for further processing or use, or as most representative | |
| 121411 | Most recent value chosen | Observation value is the recently obtained, and has been selected for further processing or use | |
| 121412 | Mean value chosen | Observation value is the mean of several measurements, and has been selected for further processing or use | |
| 121414 | Standard deviation of population | Standard deviation of a measurement in a reference population | |
| 121415 | Percentile Ranking of measurement | Percentile Ranking of an observation value with respect a reference population | |
| 121416 | Z-Score of measurement | Z-score of an observation value with respect a reference population, expressed as the dimensionless quantity (x-m)/s, where (x-m) is the deviation of the observation value (x) from the population mean (m), and s is the standard deviation of the population. | |
| 121417 | 2 Sigma deviation of population | 2 Sigma deviation of a measurement in a reference population | |
| 121420 | Equation | Formula used to compute a derived measurement | |
| 121421 | Equation Citation | Bibliographic reference to a formula used to compute a derived measurement; reference may be to a specific equation in a journal article | |
| 121422 | Table of Values Citation | Bibliographic reference to a Table of Values used to look up | |



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| | | a derived measurement | |
| 121423 | Method Citation | Bibliographic reference to a method used to compute a derived measurement | |
| 121424 | Table of Values | A Table of Values used to look up a derived measurement | |
| 121425 | Index | Factor (divisor or multiplicand) for normalizing a measurement; e.g., body surface area used for normalizing hemodynamic measurements | |
| *121427* | *Estimated* | *Measurement obtained by observer estimation, rather than with a measurement tool or by calculation* | *Retired. Replaced with (R 10260, SRT, "Estimated")* |
| *121428* | *Calculated* | *Measurement obtained by calculation* | *Retired. Replaced with (R 41D2D, SRT, "Calculated")* |
| 122001 | Patient called to procedure room | Patient called to procedure room | |
| 122002 | Patient admitted to procedure room | Patient admitted to procedure room | |
| 122003 | Patient given pre-procedure instruction | Patient given pre-procedure instruction | |
| 122004 | Patient informed consent given | Patient informed consent given | |
| 122005 | Patient advance directive given | Patient advance directive given | |
| 122006 | Nil Per Os (NPO) status confirmed | Nil Per Os (NPO) status confirmed | |
| 122007 | Patient assisted to table | Patient assisted to table | |
| 122008 | Patient prepped and draped | Patient prepped and draped | |
| 122009 | Patient connected to continuous monitoring | Patient connected to continuous monitoring | |
| 122010 | Patient transferred to holding area | Patient transferred to holding area | |
| 122011 | Patient transferred to surgery | Patient transferred to surgery | |
| 122012 | Patient transferred to CCU | Patient transferred to CCU | |
| 122020 | Patient disoriented | Patient disoriented | |
| 122021 | Patient reports nausea | Patient reports nausea | |
| 122022 | Patient reports discomfort | Patient reports discomfort | |



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| 122023 | Patient reports chest pain | Patient reports chest pain | |
| 122024 | Patient reports no pain | Patient reports no pain | |
| 122025 | Patient alert | Patient alert | |
| 122026 | Patient restless | Patient restless | |
| 122027 | Patient sedated | Patient sedated | |
| 122028 | Patient asleep | Patient asleep | |
| 122029 | Patient unresponsive | Patient unresponsive | |
| 122030 | Patient has respiratory difficulty | Patient has respiratory difficulty | |
| 122031 | Patient coughed | Patient coughed | |
| 122032 | Patient disconnected from continuous monitoring | Patient disconnected from continuous monitoring | |
| 122033 | Hemostasis achieved | Hemostasis achieved | |
| 122034 | Hemostasis not achieved – oozing | Hemostasis not achieved – oozing | |
| 122035 | Hemostasis not achieved – actively bleeding | Hemostasis not achieved – actively bleeding | |
| 122036 | Patient given post-procedure instruction | Patient given post-procedure instruction | |
| 122037 | Patient discharged | Patient discharged | |
| 122038 | Patient pronounced dead | Patient pronounced dead | |
| 122039 | Patient transferred to morgue | Patient transferred to morgue | |
| 122041 | Personnel Arrived | Identified personnel or staff arrived in procedure room | |
| 122042 | Personnel Departed | Identified personnel or staff departed procedure room | |
| 122043 | Page Sent To | Page sent to identified personnel or staff | |
| 122044 | Consultation With | Consultation with identified personnel or staff | |
| 122045 | Office called | Office of identified personnel or staff was called | |
| 122046 | Equipment failure | Equipment failure | |
| 122047 | Equipment brought to procedure room | Equipment brought to procedure room | |
| 122048 | Equipment ready | Equipment ready for procedure | |
| 122049 | Equipment removed | Equipment removed from procedure room | |
| 122052 | Bioptome | Device for obtaining biopsy sample | |



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| 122053 | Valvular Intervention | Valvular Intervention | |
| 122054 | Aortic Intervention | Aortic Intervention | |
| 122055 | Septal Defect Intervention | Septal Defect Intervention | |
| 122056 | Vascular Intervention | Vascular Intervention | |
| 122057 | Myocardial biopsy | Myocardial biopsy | |
| 122058 | Arterial conduit angiography | Arterial conduit angiography | |
| 122059 | Single plane Angiography | Single plane Angiography | |
| 122060 | Bi-plane Angiography | Bi-plane Angiography | |
| 122061 | Percutaneous Coronary Intervention | Percutaneous Coronary Intervention | |
| 122062 | 15-Lead ECG | 15-Lead electrocardiography | |
| 122072 | Pre-procedure log | Log of events occuring prior to the current procedure | |
| 122073 | Current procedure evidence | Analysis or measurements for current procedure (purpose of reference to evidence document) | |
| 122075 | Prior report for current patient | Prior report for current patient | |
| 122076 | Consumable taken from inventory | Identifier of Consumable taken from inventory | |
| 122077 | Consumable returned to inventory | Identifier of Consumable returned to inventory | |
| 122078 | Remaining consumable disposed | Identifier of consumable whose remaining content has been disposed | |
| 122079 | Consumable unusable | Identifier of Consumable determined to be unusable | |
| 122081 | Drug start | Identifier of Drug whose administration has started | |
| 122082 | Drug end | Identifier of Drug whose administration has ended | |
| 122083 | Drug administered | Identifier of Drug administered as part of procedure | |
| 122084 | Contrast start | Identifier of Contrast agent whose administration has started | |
| 122085 | Contrast end | Identifier of Contrast agent whose administration has ended | |
| 122086 | Contrast administered | Identifier of Contrast agent administered | |
| 122087 | Infusate start | Identifier of Infusate whose administration has started | |
| 122088 | Infusate end | Identifier of Infusate whose administration has ended | |



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| 122089 | Device crossed lesion | Action of a device traversing a vascular lesion | |
| 122090 | Intervention Action | Action of a clinical professional performed on a patient for therapeutic purpose | |
| 122091 | Volume administered | Volume of Drug, Contrast agent, or Infusate administered | |
| 122092 | Undiluted dose administered | Undiluted dose of Drug, Contrast agent, or Infusate administered | |
| 122093 | Concentration | Concentration of Drug, Contrast agent, or Infusate administered | |
| 122094 | Rate of administration | Rate of Drug, Contrast agent, or Infusate administration | |
| 122095 | Duration of administration | Duration of Drug, Contrast agent, or Infusate administration | |
| 122096 | Volume unadministered or discarded | Volume of Drug, Contrast agent, or Infusate unadministered or discarded | |
| 122097 | Catheter Curve | Numeric parameter of Curvature of Catheter | |
| 122098 | Transmit Frequency | Transmit Frequency | |
| 122099 | ST change from baseline | Measured change of patient electrocardiographic ST level relative to baseline measurement | |
| 122101 | Aneurysm on cited vessel | Anatomic term modifier indicating aneurysm on cited vessel is the subject of the finding | |
| 122102 | Graft to cited segment, proximal section | Anatomic term modifier indicating proximal section of graft to cited vessel is the subject of the finding | |
| 122103 | Graft to cited segment, mid section | Anatomic term modifier indicating mid section of graft to cited vessel is the subject of the finding | |
| 122104 | Graft to cited segment, distal section | Anatomic term modifier indicating distal section of graft to cited vessel is the subject of the finding | |
| 122105 | DateTime of Intervention | DateTime of Intervention | |
| 122106 | Duration of Intervention | Duration of Intervention | |
| *122107* | *Baseline Stenosis Measurement* | *Lesion stenosis measured prior to any interventional procedure* | *Retired. Replaced with (R 101BB, SRT, "Lumen Diameter Stenosis"), post-coordinated with (G-7293, SRT, "Baseline Phase")* |



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| *122108* | *Post-Intervention Stenosis Measurement* | *Lesion stenosis measured after an interventional procedure* | *Retired. Replaced with (R 101BB, SRT, "Lumen Diameter Stenosis"), post-coordinated with (G-7298, SRT, "Post-intervention Phase")* |
| 122109 | Baseline TIMI Flow | Assessment of perfusion across a coronary lesion measured prior to any interventional procedure | |
| 122110 | Post-Intervention TIMI Flow | Assessment of perfusion across a coronary lesion measured after an interventional procedure | |
| 122111 | Primary Intervention Device | Indication that device is the primary (first and/or most significant) device used for interventional therapy of a particular pathology (e.g., lesion) | |
| 122112 | Normal Myocardium | Normal Myocardium | |
| 122113 | Scarred Myocardium | Scarred Myocardium | |
| 122114 | Thinning Myocardium | Thinning Myocardium | |
| 122120 | Hemodynamics Report | Hemodynamics Report | |
| 122121 | Atrial pressure measurements | Atrial pressure measurements, report section | |
| 122122 | Ventricular pressure measurements | Ventricular pressure measurements, report section | |
| 122123 | Gradient assessment | Gradient assessment, report section | |
| 122124 | Blood velocity measurements | Blood velocity measurements, report section | |
| 122125 | Blood lab measurements | Blood lab measurements, report section | |
| 122126 | Derived Hemodynamic Measurements | Derived Hemodynamic Measurements, report section | |
| 122127 | Clinical Context | Clinical Context, report section | |
| 122128 | Patient Transferred From | Location from which the patient was transferred | |
| 122129 | PCI during this procedure | Indication that the procedure includes a percutaneous coronary intervention | |
| 122130 | Dose Area Product | Radiation dose times area of exposure | |
| 122131 | Degree of Thrombus | Finding of probability and/or severity of thrombus | |
| 122132 | Severity of Calcification | Severity of Calcification, property of lesion | |
| 122133 | Lesion Morphology | Lesion Morphology; form and/or | |



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| | | structural properties of lesion | |
| 122134 | Vessel Morphology | Vessel Morphology; form and/or structural properties of vessel | |
| 122138 | Circulatory Support | Technique (device or procedure) of support for patient circulatory system; hemodynamic support | |
| 122139 | Reason for Exam | Reason for Exam | |
| 122140 | Comparison with Prior Exam Done | Indication that the current exam data has been compared with prior exam data | |
| 122141 | Electrode Placement | Electrocardiographic electrode placement technique | |
| 122142 | Acquisition Device Type | Acquisition Device Type | |
| 122143 | Acquisition Device ID | Acquisition Device ID | |
| 122144 | Quantitative Analysis | Quantitative Analysis, report section | |
| 122145 | Qualitative Analysis | Qualitative Analysis, report section | |
| 122146 | Procedure Datetime | The date and time on which a procedure was performed on a patient. | |
| 122147 | Clinical Interpretation | Clinical Interpretation, report section | |
| 122148 | Lead ID | ECG Lead Identifier | |
| 122149 | Beat Number | Beat Number; ordinal of cardiac cycle within an acquisition | |
| 122150 | Compound Statement | Complex coded semantic unit, consisting of several coded components | |
| 122151 | Trend | Trend (temporal progression) of a clinical condition, finding, or disease | |
| 122152 | Statement | Coded semantic unit | |
| 122153 | Statement Modifier | Coded modifier for a semantic unit | |
| 122154 | Conjunctive Term | Conjunctive term between semantic units | |
| 122157 | Probability | Probability | |
| 122158 | ECG Global Measurements | ECG Global Measurements, report section | |
| 122159 | ECG Lead Measurements | ECG Lead Measurements, report section | |
| 122160 | Derived Area, Non-Valve | Derived cross-sectional area of a vessel or anatomic feature, other than a cardiac valve | |
| 122161 | Pulmonary Flow | Rate of blood flow through | |



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| | | Pulmonary artery | |
| 122162 | Systemic Flow | Rate of blood flow through the aorta | |
| 122163 | Discharge DateTime | DateTime of patient discharge from hospital admission | |
| 122164 | Coronary Artery Bypass During This Admission | Indication that a Coronary Artery Bypass operation was performed during the current hospital admission | |
| 122165 | Date of Death | Date of Death | |
| 122166 | Death During This Admission | Indication that the patient died during the current hospital admission | |
| 122167 | Death During Catheterization | Indication that the patient died during the current Catheterization procedure | |
| 122170 | Type of Myocardial Infarction | Finding of type of Myocardial Infarction | |
| 122171 | Coronary lesion >= 50% stenosis | Finding of Coronary lesion with greater than 50% stenosis | |
| 122172 | Acute MI Present | Finding of Acute Myocardial Infarction Presence as indication for interventional procedure | |
| 122173 | ST Elevation Onset Datetime | Datetime of first determination of elevated ECG ST segment, as indication of Myocardial Infarction | |
| 122175 | Number of lesion interventions attempted | Number of lesion interventions attempted during current procedure | |
| 122176 | Number of lesion interventions successful | Number of lesion interventions successful during current procedure, where the residual post intervention stenosis is less than or equal to 50% of the arterial luminal diameter, TIMI Flow is 3 and the minimal decrease in stenosis was 20%. | |
| 122177 | Procedure Result | Overall success of interventional procedure | |
| 122178 | Lesion Intervention Information | Lesion Intervention Information, report section | |
| 122179 | Peri-procedural MI occurred | Indication that Myocardial Infarction occurred during current procedure | |
| 122180 | CK-MB baseline | Creatine Kinase–MB value at baseline (start of procedure) | |
| 122181 | CK-MB peak | Creatine Kinase–MB highest value measured during procedure | |



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| 122182 | R-R interval | Time interval between ECG R-wave peaks in subsequent cardiac cycles | |
| 122183 | Blood temperature | Blood temperature | |
| 122185 | Blood Oxygen content | Blood Oxygen content | |
| 122187 | Blood Carbon dioxide saturation | Blood Carbon dioxide saturation | |
| 122188 | Pulmonary Arterial Content (FCpa) | Pulmonary Arterial Content (FCpa) | |
| 122189 | Pulmonary Venous Content (FCpv) | Pulmonary Venous Content (FCpv) | |
| 122190 | Max dp/dt/P | Max dp/dt/P | |
| 122191 | Ventricular End Diastolic pressure | Ventricular End Diastolic pressure | |
| 122192 | Indicator appearance time | Elapsed time from injection of an indicator bolus until it is observed at another location | |
| 122193 | Maximum pressure acceleration | Maximum pressure acceleration | |
| 122194 | Ventricular Systolic blood pressure | Ventricular Systolic blood pressure | |
| 122195 | Pulse Strength | Pulse Strength; palpable strength of systolic flow | |
| 122196 | C wave pressure | The secondary peak pressure in the atrium during atrial contraction | |
| 122197 | Gradient pressure, average | Gradient pressure, average | |
| 122198 | Gradient pressure, peak | Gradient pressure, peak | |
| 122199 | Pressure at dp/dt max | Pressure at dp/dt max | |
| 122220 | Hemodynamic Resistance Index | Hemodynamic Resistance Index | |
| 122221 | Thorax diameter, sagittal | Thorax diameter, sagittal | |
| 122222 | Procedure Environmental Characteristics | Environmental characteristics in the procedure room | |
| 122223 | Room oxygen concentration | Oxygen concentration in the procedure room | |
| 122224 | Room temperature | Temperature in the procedure room | |
| 122225 | Room Barometric pressure | Barometric pressure in the procedure room | |
| 122227 | Left to Right Flow | Left to Right Flow | |



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| 122228 | Right to Left Flow | Right to Left Flow | |
| 122229 | Arteriovenous difference | Arteriovenous oxygen content difference | |
| 122230 | 10 Year CHD Risk | Framingham Study 10 Year CHD Risk | |
| 122231 | Comparative Average 10 Year CHD Risk | Framingham Study Comparative Average 10 Year CHD Risk | |
| 122232 | Comparative Low 10 Year CHD Risk | Framingham Study Comparative Low 10 Year CHD Risk | |
| 122233 | LDL Cholesterol Score Sheet for Men | Framingham Study LDL Cholesterol Score Sheet for Men | |
| 122234 | LDL Cholesterol Score Sheet for Women | Framingham Study LDL Cholesterol Score Sheet for Women | |
| 122235 | Total Cholesterol Score Sheet for Men | Framingham Study Total Cholesterol Score Sheet for Men | |
| 122236 | Total Cholesterol Score Sheet for Women | Framingham Study Total Cholesterol Score Sheet for Women | |
| 122237 | Corrected Sinus Node Recovery Time | Corrected Sinus Node Recovery Time | |
| 122238 | Max volume normalized to 50mmHg pulse pressure | Max volume normalized to 50mmHg pulse pressure | |
| 122239 | Oxygen Consumption | Oxygen Consumption | |
| 122240 | BSA = 0.003207*WT^(0.7285-0.0188 log (WT))*HT^0.3 | Body Surface Area computed from patient height and weight: BSA = 0.003207*WT[kg]^(0.7285-0.0188 log (WT[kg]))*HT[cm]^0.3 | |
| 122241 | BSA = 0.007184*WT^0.425*HT^0.725 | Body Surface Area computed from patient height and weight: BSA = 0.007184*WT[kg]^0.425*HT[cm]^0.725 [Dubois and Dubois, Proc Soc Exp Bio NY, 1916] | |
| 122242 | BSA = 0.0235*WT^0.51456*HT^0.42246 | Body Surface Area computed from patient height and weight: BSA = 0.0235*WT[kg]^0.51456*HT[cm]^0.42246 | |
| 122243 | BSA = 0.024265*WT^0.5378*HT^0.3964 | Body Surface Area computed from patient height and weight: BSA = 0.024265*WT[kg]^0.5378*HT[cm]^0.3964 | |
| 122244 | BSA = (HT * | Body Surface Area computed | |



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| | WT/36)^0.5 | from patient height and weight: BSA = (HT[m] * WT[kg]/36)^0.5 | |
| 122247 | VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf) | Equation for estimated oxygen consumption: VO2male = BSA (138.1 - 11.49 * loge(age) + 0.378*HRf) | |
| 122248 | VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf) | Equation for estimated oxygen consumption: VO2female = BSA (138.1 - 17.04 * loge(age) + 0.378*HRf) | |
| 122249 | VO2 = VeSTPD * 10 * (FIO2 - FE02) | Equation for estimated oxygen consumption: VO2 = VeSTPD * 10 * (FIO2 - FE02) | |
| 122250 | VO2 = 152 * BSA | Equation for estimated oxygen consumption: VO2 = 152 * BSA | |
| 122251 | VO2 = 175 * BSA | Equation for estimated oxygen consumption: VO2 = 175 * BSA | |
| 122252 | VO2 = 176 * BSA | Equation for estimated oxygen consumption: VO2 = 176 * BSA | |
| 122253 | Robertson & Reid table | Robertson & Reid Table for estimated oxygen consumption | |
| 122254 | Fleisch table | Fleisch table for estimated oxygen consumption | |
| 122255 | Boothby table | Boothby table for estimated oxygen consumption | |
| 122256 | if (prem age< 3days) P50= 19.9 | Estimate of Oxygen partial pressure at 50% saturation for premature infants less than 3 days old: P50= 19.9 | |
| 122257 | if (age < 1day) P50= 21.6 | Estimate of Oxygen partial pressure at 50% saturation for infants less than 1 day old: P50= 21.6 | |
| 122258 | if (age < 30day) P50= 24.6 | Estimate of Oxygen partial pressure at 50% saturation for infants less than 30 days old: P50= 24.6 | |
| 122259 | if (age < 18y) P50= 27.2 | Estimate of Oxygen partial pressure at 50% saturation for patients less than 18 years old: P50= 27.2 | |
| 122260 | if (age < 40y) P50= 27.4 | Estimate of Oxygen partial pressure at 50% saturation for patients less than 40 years old: P50= 27.4 | |
| 122261 | if (age > 60y) P50= 29.3 | Estimate of Oxygen partial pressure at 50% saturation for patients more than 60 years old: P50= 29.3 | |
| 122262 | Area = Flow / 44.5 * | Cardiac valve area computed | |



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| | sqrt(Gradient[mmHg]) | from flow and pressure gradient: Area = Flow / 44.5 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951] | |
| 122263 | MVA = Flow / 38.0 * sqrt(Gradient[mmHg]) | Mitral valve area computed from flow and pressure gradient: Mitral valve Area = Flow / 38.0 * sqrt(Gradient[mmHg]) [Gorlin and Gorlin, Am Heart J, 1951] | |
| 122265 | BMI = Wt/Ht^2 | Body Mass Index computed from weight and height: BMI = Wt/Ht^2 | |
| 122271 | Skin Condition Warm | Skin Condition Warm | |
| 122272 | Skin Condition Cool | Skin Condition Cool | |
| 122273 | Skin Condition Cold | Skin Condition Cold | |
| 122274 | Skin Condition Dry | Skin Condition Dry | |
| 122275 | Skin Condition Clammy | Skin Condition Clammy | |
| 122276 | Skin Condition Diaphoretic | Skin Condition Diaphoretic | |
| 122277 | Skin Condition Flush | Skin Condition Flush | |
| 122278 | Skin Condition Mottled | Skin Condition Mottled | |
| 122279 | Skin Condition Pale | Skin Condition Pale | |
| 122281 | Airway unobstructed | Airway unobstructed | |
| 122282 | Airway partially obstructed | Airway partially obstructed | |
| 122283 | Airway severely obstructed | Airway severely obstructed | |
| 122288 | Not Visualized | Anatomy could not be visualized for the purpose of evaluation | |
| 122291 | Quantitative Arteriography Report | Quantitative Arteriography Report | |
| 122292 | Quantitative Ventriculography Report | Quantitative Ventriculography Report | |
| 122301 | Guidewire crossing lesion unsuccessful | Guidewire crossing lesion unsuccessful | |
| 122302 | Guidewire crossing lesion successful | Guidewire crossing lesion successful | |
| 122303 | Angioplasty balloon inflated | Angioplasty balloon inflated | |
| 122304 | Angioplasty balloon deflated | Angioplasty balloon deflated | |
| 122305 | Device deployed | Device deployed | |
| 122306 | Stent re-expanded | Stent re-expanded | |
| 122307 | Object removed | Object removed | |



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| 122308 | Radiation applied | Radiation applied | |
| 122309 | Radiation removed | Radiation removed | |
| 122310 | Interventional device placement unsuccessful | Interventional device placement unsuccessful | |
| 122311 | Interventional device placed | Interventional device placed | |
| 122312 | Intervention performed | Intervention performed | |
| 122313 | Interventional device withdrawn | Interventional device withdrawn | |
| 122319 | Catheter Size | Catheter Size | |
| 122320 | Injectate Temperature | Injectate Temperature | |
| 122321 | Injectate Volume | Injectate Volume | |
| 122322 | Calibration Factor | Factor by which a measured or calculated value is multiplied to obtain the estimated real-world value. | |
| 122325 | IVUS Report | Intravascular Ultrasound Report | |
| 122330 | EEM Diameter | External Elastic Membrane (EEM) diameter measured through the center point of the vessel. Center point of the vessel is defined as the center of gravity of the EEM area. The EEM is a discrete interface at the border between the media and the adventitia. | |
| 122331 | Plaque Plus Media Thickness | The distance from intimal leading edge to the external elastic membrane along any line passing through the luminal center, which is defined as the center of gravity of the lumen area. | |
| 122332 | Lumen Perimeter | Planimetered perimeter of the lumen. | |
| 122333 | EEM Cross-Sectional Area | Vessel area measured at the External Elastic Membrane (EEM), a discrete interface at the border between the media and the adventitia. | |
| 122334 | Plaque plus Media Cross-Sectional Area | Area within the EEM occupied by atheroma, regardless of lumen compromise. Plaque plus Media Area = EEM cross-sectional area - vessel lumen cross-sectional area | |
| 122335 | In-Stent Neointimal | Measurement of in-stent | |



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| | Cross-Sectional Area | restenosis. In-Stent Intimal Area = Stent cross-sectional area – vessel lumen cross-sectional area | |
| 122336 | Vascular Volume measurement length | Longitudinal extent of the Vascular Volume Measurement. This is the distance from the distal edge to the proximal edge of the Volume measurement. | |
| 122337 | Relative position | Longitudinal distance from the closest edge of a fiducial feature or reference location to the start of the vascular measurement. This value will be a positive if the measurement is distal to the fiducial feature or reference location, or negative if the measurement is proximal to the fiducial feature or reference location. | |
| 122339 | Stent Volume Obstruction | In-Stent Neointimal Volume / Stent Volume | |
| 122340 | Fiducial feature | Reference, normally anatomical, which is used for locating the position of a measurement. | |
| 122341 | Calcium Length | Longitudinal calcium length measurement | |
| 122343 | Lumen Eccentricity Index | Measurement of vessel lumen eccentricity. Lumen Eccentricity Index = (maximum vessel lumen diameter - minimum vessel lumen diameter) / maximum vessel lumen diameter. Lumen diameters are measured through the center point of the lumen, which is defined as the center of gravity of the lumen area. | |
| 122344 | Plaque plus Media Eccentricity Index | Plaque plus Media Eccentricity Index = (maximum Plaque plus media thickness - minimum Plaque plus media thickness) / maximum Plaque plus media thickness | |
| 122345 | Remodeling Index | Measurement of increase or decrease in EEM area that occurs during the development of atherosclerosis. Remodeling Index = Lesion EEM area / reference EEM area | |
| 122346 | Stent Symmetry Index | Measurement of stent circularity. Stent Symmetry Index = (maximum stent diameter - minimum stent diameter) / | |



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| | | maximum stent diameter | |
| 122347 | Stent Expansion Index | Measurement of stent area relative to the reference lumen area. Stent Expansion Index = Minimum stent area / reference vessel lumen cross-sectional area | |
| 122348 | Lumen Shape Index | Measurement of vessel lumen eccentricity. Lumen Shape Index = ($2\pi$ * sqrt(Vessel lumen cross-sectional area / $\pi$) / Lumen Perimeter) 2<br>Reference: Tobis & Yock, "Intravascular Ultrasound Imaging", Chapter 7 | |
| 122350 | Lumen Diameter Ratio | Lumen diameter ratio = minimum vessel lumen diameter / maximum vessel lumen diameter, measured at the same cross section in the vessel. Lumen diameters are measured through the center point of the lumen, which is defined as the center of gravity of the lumen area. | |
| 122351 | Stent Diameter Ratio | Stent diameter ratio = Minimum stent diameter / Maximum stent diameter, measured at the same cross section in the vessel. Stent diameters are measured through the center point of the stent, which is defined as the center of gravity of the stent area. | |
| 122352 | EEM Diameter Ratio | EEM diameter ratio = minimum EEM diameter / maximum EEM diameter. Measured at the same cross section in the vessel. | |
| 122354 | Plaque Burden | Fractional area within the External Elastic Membrane (EEM) occupied by atheroma. Plaque Burden = (EEM area - vessel lumen cross-sectional area) / EEM area | |
| 122355 | Arc of Calcium | Angular measurement of a Calcium deposit with the apex located at the center of the lumen, which is defined as the center of gravity of the lumen area. | |
| 122356 | Soft plaque | Plaque characterized by low density or echogenicity. | |
| 122357 | In-Stent Neointima | Abnormal thickening of the intima within the stented | |



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| | | segment. | |
| 122360 | True Lumen | Lumen surrounded by all three layers of the vessel-intima, media, and adventitia. | |
| 122361 | False Lumen | A channel, usually parallel to the true lumen, which does not communicate with the true lumen over a portion of its length. | |
| 122363 | Plaque Rupture | Plaque ulceration with a tear detected in a fibrous cap. | |
| 122364 | Stent Gap | Length of gap between two consecutive stents. | |
| 122367 | T-1 Worst | Worst stenosis - the stenosis with the smallest lumen size within a vessel segment. | |
| 122368 | T-2 Secondary | 2nd most severe stenosis within a vessel segment. | |
| 122369 | T-3 Secondary | 3rd most severe stenosis within a vessel segment. | |
| 122370 | T-4 Secondary | 4th most severe stenosis within a vessel segment. | |
| 122371 | EEM Volume | External Elastic Membrane (EEM) volume measured within a specified region. The EEM is a discrete interface at the border between the media and the Adventitia. | |
| 122372 | Lumen Volume | Lumen volume measured within a specified region. | |
| 122374 | In-Stent Neointimal Volume | The amount of plaque between the lumen and stent, within the stent region; In-stent restenosis. In-Stent Neointimal Volume = Stent Volume - Lumen Volume | |
| 122375 | Native Plaque Volume | The amount of plaque between the stent and the EEM, within the stent region. Native Plaque Volume = EEM Volume - Stent Volume | |
| 122376 | Total Plaque Volume | Total amount of plaque between the EEM and the Lumen, over the entire region that is measured. Total Plaque Volume = EEM Volume - Lumen Volume. | |
| 122380 | Proximal Reference | Proximal reference segment measurement site. Typically the site with the largest lumen proximal to a stenosis but within the same segment (usually | |



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| | | within 10 mm of the stenosis with no major intervening branches). | |
| 122381 | Distal Reference | Distal reference segment measurement site. Typically the site with the largest lumen distal to a stenosis but within the same segment (usually within 10 mm of the stenosis with no major intervening branches). | |
| 122382 | Site of Lumen Minimum | Site of the smallest lumen in a vessel, e.g., due to a stenotic lesion. | |
| 122383 | Entire Pullback | Measurement region that encompasses the entire vessel imaged in a single pullback acquisition | |
| 122384 | Stented Region | Measurement region occupied by the stent | |
| 122385 | Proximal Stent Margin | Region starting at the proximal edge of the Stent and extending several millimeters (usually 5 mm) proximal to the Stent edge. | |
| 122386 | Distal Stent Margin | Region starting at the distal edge of the Stent and extending several millimeters (usually 5 mm) distal to the Stent edge. | |
| 122387 | Dissection Classification | Classification of dissections in a vessel | |
| 122388 | Intra-stent Dissection | Separation of neointimal hyperplasia from stent struts, usually seen only after treatment of in-stent restenosis. | |
| 122389 | Vulnerable Plaque | Plaque with a thin cap fibrous atheroma that is at increased risk of rupture and thrombosis (or re-thrombosis) and rapid stenosis progression. | |
| 122390 | Eroded Plaque | Plaque erosions with no structural defect (beyond endothelial injury) or gap in the plaque. | |
| 122391 | Relative Stenosis Severity | Stenosis severity classifications of multiple lesions in a vessel. | |
| 122393 | Restenotic Lesion | A finding of a previously treated lesion in which stenosis has reoccurred. | |
| 122394 | Fibro-Lipidic Plaque | Loosely packed bundles of collagen fibers with regions of lipid deposition present. Region is cellular and no cholesterol clefts or necrosis are present. | |



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| | | Some<br>macrophage infiltration. Increase in extra cellular matrix. | |
| 122395 | Necrotic-Lipidic Plaque | Area within the plaque with very low echogenicity separated from the lumen and surrounded by more echogenic structures (fibrous cap). Highly lipidic necrotic region with remnants of foam cells and dead lymphocytes present. No collagen fibers are visible and mechanical integrity is poor. Cholesterol clefts and micro calcifications are visible. | |
| 122398 | Intimal Dissection | Dissection limited to the intima or atheroma, and not extending to the media. | |
| 122399 | Medial Dissection | Dissection in the arterial Media, extending into the media. | |
| 122400 | Simultaneously Acquired | The referenced information was acquired simultaneously with the information in the object in which the reference occurs. | |
| 122401 | Same Anatomy | Information acquired for the same anatomic region. | |
| 122402 | Same Indication | Information acquired for the same indication (e.g. to elucidate the same diagnostic question). | |
| 122403 | For Attenuation Correction | The referenced information was used to correct the data for differential attenuation through different anatomic tissue. | |
| 122404 | Reconstructed | Value estimated for a vessel in the absence of a stenosis | |
| 122405 | Algorithm Manufacturer | Manufacturer of application used | |
| 122406 | Left Atrial Ejection Fraction by Angiography | Left Atrial Ejection Fraction by Angiography | |
| 122407 | Left Atrial ED Volume | Left Atrial End Diastolic Volume | |
| 122408 | Left Atrial ES Volume | Left Atrial End Systolic Volume | |
| 122410 | Contour Realignment | Contour repositioning of End Diastolic relative to End Systolic contour | |
| 122411 | Threshold Value | The minimum standard deviation to define the hypokinesis and hyperkinesis | |
| 122417 | Regional Abnormal Wall Motion | Report of differentiation of wall motion compared to normal | |



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| 122421 | Calibration Object | Object used for Calibration | |
| 122422 | Calibration Method | Method used for Calibration | |
| 122423 | Calibration Object Size | Size of calibration object | |
| 122428 | Area Length Method | Method how long axis is positioned | |
| 122429 | Volume Method | Model for ventricular volume calculation | |
| 122430 | Reference Method | Method to define original diameter of the artery | |
| 122431 | Regression Slope ED | Relation between calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used. | |
| 122432 | Regression Offset ED | Correction factor for the calculated End Diastolic volume and ventricular End Diastolic volume. The specific meaning is dependent on volume method used. | |
| 122433 | Regression Slope ES | Relation between calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used. | |
| 122434 | Regression Offset ES | Correction factor for the calculated End Systolic volume and ventricular End Systolic volume. The specific meaning is dependent on volume method used. | |
| 122435 | Regression Volume Exponent | Exponent of volume in regression formula | |
| 122438 | Reference Points | Container for spatial locations or coordinates used for calculation | |
| 122445 | Wall Thickness | Average thickness of the chamber wall in the current view | |
| 122446 | Wall Volume | Volume of the chamber wall estimated from the current view | |
| 122447 | Wall Mass | Mass of the chamber wall (myocardium) | |
| 122448 | Wall Stress | Peak systolic stress of chamber wall | |
| 122449 | Centerline Wall Motion Analysis | Method to calculate wall motion [example: Sheehan, 1986] | |
| 122450 | Normalized Chord Length | The length between End Diastolic and End Systolic contour perpendicular on the centerline normalized by a | |



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| | | method dependent ventricular perimeter length. The centerline is the line equidistant between the End Diastolic and End Systolic contour [example: Sheehan, 1986] | |
| 122451 | Abnormal Region | The report of the boundaries of the abnormal (hyperkinetic, hypokinetic, a-kinetic) regions associated with the territory of the artery [example: Sheehan, 1986] | |
| 122452 | First Chord of Abnormal Region | The chord number specifying the begin of abnormal region [example: Sheehan, 1986] | |
| 122453 | Last Chord of Abnormal Region | The chord number specifying the end of abnormal region [example: Sheehan, 1986] | |
| 122459 | Territory Region Severity | Severity at the regional abnormality extent [example: Sheehan, 1986] | |
| 122461 | Opposite Region Severity | Severity at the opposite regional abnormality extent [example: Sheehan, 1986] | |
| 122464 | LAD Region in RAO Projection | Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies between 5 – 85. [Sheehan, 1986] | |
| 122465 | RCA Region in ROA Projection | Based on a total number of chords of 100 and RAO project the range of chords belonging to this circumferential extent lies between 25 – 85. [Sheehan, 1986] | |
| 122466 | Single LAD Region in RAO Projection | Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 10 – 66 (hypokinetic) and 67 – 80 (hyperkinetic). [Sheehan, 1986] | |
| 122467 | Single RCA Region in RAO Projection | Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 51 – 80 (hypokinetic) and 10 – 50 (hyperkinetic). [Sheehan, 1986] | |
| 122468 | Multiple LAD Region in RAO Projection | Based on a total number of chords of 100 and RAO projection the range of chords | |



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| | | belonging to this regional extent lies between 10 – 58 (hypokinetic) and 59 –80 (hyperkinetic). [Sheehan, 1986] | |
| 122469 | Multiple RCA Region in RAO Projection | Based on a total number of chords of 100 and RAO projection the range of chords belonging to this regional extent lies between 59 – 80 (hypokinetic) and 10 – 58 (hyperkinetic). [Sheehan, 1986] | |
| 122470 | LAD Region in LAO Projection | Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 50 –100 (hypokinetic) and 20 – 49 (hyperkinetic). [Sheehan, 1986] | |
| 122471 | RCA Region in LAO Projection | Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 19 – 67 (hypokinetic) and 68 – 100 (hyperkinetic). [Sheehan, 1986] | |
| 122472 | CFX Region in LAO Projection | Based on a total number of chords of 100 and LAO projection the range of chords belonging to this regional extent lies between 38 –74 (hypokinetic) and 75 – 100 (hyperkinetic). [Sheehan, 1986] | |
| 122473 | Circular Method | Method based on assumption that the image object is circular. | |
| 122474 | Densitometric Method | Method based on the gray value distribution of the image. | |
| 122475 | Center of Gravity | End Systolic contour realigned to End Diastolic contour based on the center of gravity | |
| 122476 | Long Axis Based | End Systolic contour realigned to End Diastolic contour based on the mid point of the long axis. The long axis end points are defined as the posterior and apex. | |
| 122477 | No Realignment | No Contour Realignment applied | |
| 122480 | Vessel Lumen Cross-Sectional Area | Calculated Vessel Lumen Cross-Sectional Area based on the referenced method | |
| 122481 | Contour Start | Location of the beginning of a contour | |
| 122482 | Contour End | Location of the end of a contour | |



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| 122485 | Sphere | Sphere is used as calibration object | |
| 122486 | Geometric Isocenter | Object of interest in isocenter of image and pixel separation is calculated from geometric data | |
| 122487 | Geometric Non-Isocenter | Object of interest not in isocenter of image and pixel separation is calculated from geometric data and out of isocenter distances | |
| 122488 | Calibration Object Used | Object used for calibration (e.g. sphere) | |
| 122489 | Curve Fitted Reference | Application dependent method to calculate the reference diameter based on the multiple diameter values. | |
| 122490 | Interpolated Local Reference | Application dependent method to calculate reference by interpolation, based on the diameter of two or more user defined reference positions. | |
| 122491 | Mean Local Reference | Application dependent method to calculate by averaging the reference, based on the diameter of one or more user defined reference positions. | |
| 122493 | Radial Based Wall Motion Analysis | Method to calculate wall motion based on the lengths of the radials in the predefined regions [Ingels] | |
| 122495 | Regional Contribution to Ejection Fraction | Contribution of Region to global Ejection factor based on radial or landmark based wall motion method | |
| 122496 | Radial Shortening | The reduction of area between End Systolic and End Diastolic based on radial wall motion analysis | |
| 122497 | Landmark Based Wall Motion Analysis | Method to calculate wall motion based on the move of landmarks on the wall [Slager] | |
| 122498 | Slice Contribution to Ejection Fraction | Contribution to the ejection fraction of a specific slice region [Slager] | |
| 122499 | Frame to Frame Analysis | Method to calculate volumes of heart chambers for every image in a range | |
| 122505 | Calibration | Procedure used to calibrate measurements or measurement devices | |
| 122507 | Left Contour | Left contour of lumen (direction proximal to distal) | |



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| 122508 | Right Contour | Right contour of lumen (direction proximal to distal) | |
| 122509 | Diameter Graph | Ordered set of diameters values derived from contours (direction proximal to distal) | |
| 122510 | Length Luminal Segment | Length Luminal Segment | |
| 122511 | Graph Increment | Increment value along X-axis in Diameter Graph | |
| 122516 | Site of Maximum Luminal | Location of the maximum lumen area in a lesion or vessel. | |
| 122517 | Densitometric Luminal Cross-sectional Area Graph | Ordered set of cross-sectional Vessel Lumen Cross-Sectional Area values derived from contours (direction proximal to distal) based on densitometric method | |
| 122528 | Position of Proximal Border | Position of proximal border of segment relative to the contour start (proximal end of analysis area) | |
| 122529 | Position of Distal Border | Position of distal border of segment relative to the contour start (proximal end of analysis area) | |
| 122542 | Plaque Area | Longitudinal cross sectional area of plaque | |
| 122544 | Diameter Symmetry | Symmetry of stenosis (0 = complete asymmetry, 1 = complete symmetry) [reference PS 3.17 X.2] | |
| 122545 | Area Symmetry | Symmetry of plaque (0 = complete asymmetry, 1 = complete symmetry) [reference PS 3.17 X.2] | |
| 122546 | Inflow Angle | The average slope of the diameter function between the position of the minimum luminal diameter and the position of the proximal border of the segment | |
| 122547 | Outflow Angle | The average slope of the diameter function between the position of the minimum luminal diameter and the position of the distal border of the segment | |
| 122548 | Stenotic Flow Reserve | The relation between coronary pressure and coronary flow | |
| 122549 | Poiseuille Resistance | Poiseuille Resistance at the location of the stenosis | |
| 122550 | Turbulence | Turbulence Resistance at the | |



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| | Resistance | location of the stenosis | |
| 122551 | Pressure Drop at SFR | Pressure drop over the stenosis at maximum heart output | |
| 122554 | Segmentation Method | Method for selection of vessel sub-segments | |
| 122555 | Estimated Normal Flow | Estimate of the volume of blood flow in the absence of stenosis | |
| 122558 | Area Length Kennedy | Area Length method defined by Kennedy [Kennedy, 1970] | |
| 122559 | Area Length Dodge | Area Length method defined by Dodge [Dodge, 1960] | |
| 122560 | Area Length Wynne | Area Length method defined by Wynne [Wynne] | |
| 122562 | Multiple Slices | Volume method based on multiple slice | |
| 122563 | Boak | Volume method defined by Boak [Boak] | |
| 122564 | TS Pyramid | Volume method defined by Ferlinz [Ferlinz] | |
| 122565 | Two Chamber | Volume method defined by Graham [Graham] | |
| 122566 | Parallelepiped | Volume method defined by Arcilla [Arcilla] | |
| 122572 | BSA^1.219 | Corrected Body Surface area for indexing the hemodynamic measurements for a pediatric patient | |
| 122574 | Equidistant method | Method for selecting sub-segments that are all of the same length | |
| 122575 | User selected method | Manually selected start and end of sub-segment | |
| 122582 | Left ventricular posterobasal segment | Left ventricular posterobasal segment | |
| 122600 | Cardiovascular Analysis Report | Report of a Cardiovascular Analysis, typically from a CT or MR study | |
| 122601 | Ventricular Analysis | Ventricular Analysis | |
| 122602 | Myocardial Perfusion Analysis | Myocardial Perfusion Analysis | |
| 122603 | Calcium Scoring Analysis | Calcium Scoring Analysis | |
| 122604 | Flow Quantification | Flow Quantification Analysis | |
| 122605 | Vascular Morphological Analysis | Vascular Morphological Analysis | |
| 122606 | Vascular Functional | Vascular Functional Analysis | |



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| | | | |
|---|---|---|---|
| | Analysis | | |
| 122607 | Thickening Analysis | Analysis of myocardial wall thickening | |
| 122608 | Absolute Values Of Ventricular Measurements | Section Heading for absolute values of ventricular measurements | |
| 122609 | Normalized Values Of Ventricular Measurements | Results of normalizing ventricular measurements | |
| 122611 | Reference Point | Reference Point of a measurement | |
| 122612 | Central breathing position | Central breathing position between inspiration and expiration | |
| 122616 | Peak Ejection Rate | Peak of the ventricular ejection rate | |
| 122617 | Peak Ejection Time | Time of the peak of ventricular ejection | |
| 122618 | Peak Filling Rate | Peak of the fluid filling rate | |
| 122619 | Peak Filling Time | Time interval from a given reference point (e.g. end systole) until time of peak filling | |
| 122620 | Papillary Muscle Excluded | Papillary muscle was excluded from the measurement | |
| 122621 | Papillary Muscle Included | Papillary muscle was included in the measurement | |
| 122624 | Wall Thickness Ratio end-systolic to end-diastolic | The ratio of the end-systolic wall thickness compared to the end-diastolic wall thickness | |
| 122627 | Curve Fit Method | The method to smooth a ventricular volume as a function of time | |
| 122628 | Baseline Result Correction | Baseline correction used in the calculation of the results | |
| 122631 | Signal Earliest Peak Time | The time in a dynamic set of images at which the first peak of the signal is observed for the analysed myocardial wall segments. | |
| 122633 | Signal Increase Start Time | This is the time at which the signal begins to increase. | |
| 122634 | Signal Time to Peak | Time interval between the beginning of the signal increase to the time at which the signal intensity reaches its first maximum in a dynamic set of images. | |
| 122635 | MR Perfusion Peak | Peak of the MR perfusion signal | |
| 122636 | MR Perfusion Slope | Signal intensity as a function of | |



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| | | time. It is the change in the signal intensity divided by the change in the time. | |
| 122637 | MR Perfusion Time Integral | MR perfusion time integral from baseline (foot time) to earliest peak | |
| 122638 | Signal Baseline Start | First time point in a dynamic set of images used in the calculation of the baseline signal intensity for each myocardial wall segment. | |
| 122639 | Signal Baseline End | Last time point in a dynamic set of images used in the calculation of the baseline signal intensity for each myocardial wall segment. | |
| 122640 | Image Interval | The time delta between images in a dynamic set of images. | |
| 122642 | Velocity Encoding Minimum Value | The minimum velocity encoded by the phase encoding gradient | |
| 122643 | Velocity Encoding Maximum Value | The maximum velocity encoded by the phase encoding gradient | |
| 122645 | Net Forward Volume | Forward volume-reverse volume | |
| 122650 | Area Based Method | Area Based Method for estimating volume or area | |
| 122651 | Diameter Based Method | Diameter Based Method for estimating volume, area or diameter | |
| 122652 | Volume Based Method | Volume Based Method for estimating volume | |
| 122655 | NASCET | A method of diameter measurements according to NASCET (North American Symptomatic Carotid Endarterectomy Trial) | |
| 122656 | ECST | A method of diameter measurements according to ECST (European Carotid Surgery Trial) | |
| 122657 | Agatston Score Threshold | Agatston Score Threshold | |
| 122658 | Calcium Mass Threshold | Calcium Mass Threshold | |
| 122659 | Calcium Scoring Calibration | Calcium Scoring Calibration | |
| 122660 | Calcium Volume | Calcium Volume | |
| 122661 | Calcium Mass | Calcium Mass | |
| 122664 | Late Contrast Enhancement | Delayed hyperenhancement of a tissue observed in an image acquired after injection of | |



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| | | contrast media. | |
| 122665 | Time interval since injection of contrast media | Time interval since injection of contrast media | |
| 122666 | Time relative to R-wave peak | Time relative to R-wave peak | |
| 122667 | Blood velocity vs. time of cardiac cycle | Relationship between blood velocity and time relative to R-wave peak | |
| 122668 | Time interval since detection of contrast bolus | Time interval since detection of contrast bolus | |
| 122670 | Papillary Muscle Included/Excluded | Indicates if the papillary muscle was included or excluded in the measurement | |
| 122675 | Anterior-Posterior | Anterior to Posterior direction | |
| 122680 | endoleak | Persistent flow of blood into the stent-grafting | |
| 122683 | Stent Fracture | Fracture of a stent | |
| 122684 | Stent Disintegration | Disintegration of a stent | |
| 122685 | Stent Composition | Material that a stent consists of | |
| 122686 | Parent Vessel Finding | Finding about the characteristics of the parent vessel of a vessel | |
| 122687 | Site of Lumen Maximum | Site of Maximal lumen diameter of a vessel | |
| 122698 | X-Concept | The physical domain (time, space, etc.) to the horizontal axis of the graphical presentation. | |
| 122699 | Y-Concept | The physical domain (time, space, etc.) to the vertical axis of the graphical presentation. | |
| 123001 | Radiopharmaceutical | Active ingredient (molecular) used for radioactive tracing | |
| 123003 | Radiopharmaceutical Start Time | Time of radiopharmaceutical administration to the patient for imaging purposes | |
| 123004 | Radiopharmaceutical Stop Time | Ending time of radiopharmaceutical administration to the patient for imaging purposes | |
| 123005 | Radiopharmaceutical Volume | Volume of radiopharmaceutical administered to the patient | |
| 123006 | Radionuclide Total Dose | Total amount of radionuclide administered to the patient at Radiopharmaceutical Start Time | |
| 123007 | Radiopharmaceutical Specific Activity | Activity per unit mass of the radiopharmaceutical at Radiopharmaceutical Start Time | |



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| 123009 | Radionuclide Syringe Counts | Pre-injection syringe acquisition count rate | |
| 123010 | Radionuclide Residual Syringe Counts | Syringe acquisition count rate following patient injection | |
| 123011 | Contrast/Bolus Agent | Contrast or bolus agent | |
| 123012 | Pre-Medication | Medication to be administered at the beginning of the Scheduled Procedure Step | |
| 123014 | Target Region | Anatomic Region to be imaged | |
| 123015 | Imaging Direction | Direction of imaging (includes view, transducer orientation, patient orientation, and/or projection) | |
| 123016 | Imaging Conditions | Imaging condition for refinement of protocol (includes secondary posture, instruction, X-ray / electron beam energy or nuclide, and ultrasound modes), as used in JJ1017 v3.0 | |
| 125000 | OB-GYN Ultrasound Procedure Report | Document Title of OB-GYN procedure report | |
| 125001 | Fetal Biometry Ratios | Report section for assessment of fetal growth using ratios and indexes | |
| 125002 | Fetal Biometry | Report section for assessment of fetal growth | |
| 125003 | Fetal Long Bones | Report section for assessment of fetal growth by long bone measurements | |
| 125004 | Fetal Cranium | Report section for assessment of fetal cranium growth | |
| 125005 | Biometry Group | Biometric assessment of | |
| 125006 | Biophysical Profile | Report section for assessment of biophysical observations that evaluate fetal well-being according to Manning, Antepartum Fetal Evaluation: Development of a Fetal Bbiophysical Profile Score, Am. J Obsetet Gynecol, 1980;136:787. | |
| 125007 | Measurement Group | A grouping of related measurements and calculations that share a common context | |
| 125008 | Fetus Summary | Report section for fetus specific prodedure summary observations | |
| 125009 | Early Gestation | Report section for assessment of early gestation fetus | |



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| 125010 | Identifier | A name to differentiate between multiple instances of some item | |
| 125011 | Pelvis and Uterus | Report section for assessment of pelvis and uterus | |
| 125012 | Growth Percentile rank | The rank of a measured growth indicator relative to a normal distribution expressed as a percentage. | |
| 125013 | Growth Z-score | The rank of a measured growth indicator relative to a normal distribution expressed as the dimensionless quantity z = (x-m)/s where (x-m) is the deviation of the value x, from from the distribution mean, m, and s is the standard deviation of the distribution. | |
| 125021 | Frame of Reference Identity | There is a defined equivalence between the Frame of Reference of the Registration SOP instance and the Frame of Reference of the referenced images. | |
| 125022 | Fiducial Alignment | The registration is based on fiducials that represent patient or specimen features identified in each data set. | |
| 125023 | Acquisition Equipment Alignment | Registration based on a-priori knowledge of the acquisition geometry. This is not an object registration as in fiducial registration. Rather, it specifies a known spatial relationship. | |
| 125024 | Image Content-based Alignment | Computed registration based on global image information | |
| 125025 | Visual Alignment | Registration by visually guided manipulation. | |
| 125030 | Inter-Hemispheric Plane | A plane fiducial that specifies the location of the plane separating the two hemispheres of the brain. | |
| 125031 | Right Hemisphere Most Anterior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the anterior limit of the right brain hemisphere | |
| 125032 | Right Hemisphere Most Posterior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the posterior limit of | |



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| | | the right brain hemisphere | |
| 125033 | Right Hemisphere Most Superior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the superior limit of the right brain hemisphere | |
| 125034 | Right Hemisphere Most Inferior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the inferior limit of the Right brain hemisphere | |
| 125035 | Left Hemisphere Most Anterior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the anterior limit of the left brain hemisphere | |
| 125036 | Left Hemisphere Most Posterior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the posterior limit of the left brain hemisphere | |
| 125037 | Left Hemisphere Most Superior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the superior limit of the left brain hemisphere | |
| 125038 | Left Hemisphere Most Inferior | A point fiducial that specifies the location in the plane perpendicular to the Anterior-Posterior-Commissure axis and tangential to the inferior limit of the left brain hemisphere | |
| 125100 | Vascular Ultrasound Procedure Report | Root Document Title for ultrasound vascular evidence reports (worksheets). | |
| 125101 | Vessel Branch | The particular vessel branch, such as the inferior, medial or lateral | |
| 125102 | Graft Type | A descriptor or elaboration of the type of graft | |
| 125200 | Adult Echocardiography Procedure Report | Document title of adult echocardiography procedure (evidence) report. | |
| 125201 | Illustration of Finding | An image that is a pictorial representation of findings. The concept is typically used as a purpose of reference to an | |



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| | | image, such as a depiction of myocardium segments depicting wall motion function. | |
| 125202 | LV Wall Motion Score Index | The average of all scored (non-zero) Left Ventricle segment wall motion scores. | |
| 125203 | Acquisition Protocol | A type of clinical acquisition protocol for creating images or image-derived measurements. Acquisition protocols may be specific to a manufacturer's product. | |
| 125204 | Area-length biplane | Method for calculating left ventricular volume from two orthogonal views containing the true long axis (usually the apical 4 and 2 chamber views). Volume = $[\pi L_1/6]*[(4A_1)\div(\pi L_1)]*[(4A_2)\div(\pi L_2)]$ | |
| 125205 | Area-Length Single Plane | Method for calculating left ventricular volume from a view containing the true long axis (usually the apical 4-chamber view). Volume = $[8(A)^2]\div[3\pi L]$ | |
| 125206 | Cube | Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) that estimates the volume as the cube of diameter. | |
| 125207 | Method of Disks, Biplane | Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis and using a disk diameter averaged from the two chamber and four chamber views. | |
| 125208 | Method of Disks, Single Plane | Method of calculating volume based on the summation of disk volumes. The disk axis is parallel to the left ventricular long axis with disk diameter taken from the four-chamber view. | |
| 125209 | Teichholz | Method (formula) for calculating left ventricle volumes and function derivatives (EF, SV, SI, etc.) Volume = $[7.0/(2.4+D)]*D^3$ | |
| 125210 | Area by Pressure Half-Time | Mitral valve area (cm2) by Pressure Half-time = 220 (cm2.ms) / PHT (ms) | |
| 125211 | Biplane Ellipse | Area = $\Pi/4$ X d1 X d2<br>d1 = anterior/posterior axis<br>d2 = medial/lateral axis | |



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| | | *Hagen-Ansert, Sandra L., Textbook of Diagnostic Ultrasound, ed. 3, The C.V.Mosby Co., 1989, p. 73.* | |
| 125212 | Continuity Equation | For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the velocity | |
| 125213 | Continuity Equation by Mean Velocity | For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the mean velocity | |
| 125214 | Continuity Equation by Peak Velocity | For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the peak velocity | |
| 125215 | Continuity Equation by Velocity Time Integral | For conduits in series ("in continuity"), volume flow is equal: A1*V1 = A2*V2. where V is the velocity time integral | |
| 125216 | Proximal Isovelocity Surface Area | Utilizes aliasing velocity (by color Doppler) of flow into an orifice (often regurgitant or stenotic) to measure instantaneous flow rate, orifice area, and flow volume.<br>The instantaneous flow rate = $(2 \pi r^2 v_{av}) * (\alpha / \pi)$ where $v_{av}$ is the constant velocity known as aliasing velocity at radius $r$, $v_p$ is the peak velocity at the orifice, and $\alpha$ is the angle in radians of the constant velocity surface.<br>Estimated Orifice area = Flow rate / $v_p$, where $v_p$ is the peak velocity at the orifice and the flow rate is the PISA peak flow rate.<br>The volume flow is then the product of the orifice area and Velocity Time Integral | |
| 125217 | Full Bernoulli | $\Delta P = 4*(V1^2 - V2^2)$ | |
| 125218 | Simplified Bernoulli | $\Delta P = 4*V2$ | |
| 125219 | Doppler Volume Flow | Volume flow = Conduit CSA * ( Velocity Time Integral ) | |
| 125220 | Planimetry | Direct measurement of an area by tracing an irregular perimeter | |
| 125221 | Left Ventricle Mass by M-mode | Mass = $1.04 * [(ST+LVID+PWT)^3-LVID^3] * 0.8+ 0.6$. Mass unit is grams and length in cm. | |



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| 125222 | Left Ventricle Mass by Truncated Ellipse | Mass = $1.05 \Pi ( (b + t)^2 X (2/3 (a + t) + d – d^3/3(a + t)^2 ) – b^2 (2/3a + d – d^3/3a^2) )$<br>a = Semi-major axis from widest minor axis radius to apex.<br>b = Short axis radius calculated from short axis cavity area<br>t = Myocardial thickness calculated from short axis epicardial and cavity areas<br>d = Truncated semi-major axis from widest short axis diameter to plane of mitral annulus.<br>Mass unit is grams and length in cm.<br>*Schiller NB et al: Recommendations for quantification of the left ventricle by two-dimensional echocardiography, American Society of Echocardiography 2:364, 1989.* | |
| 125223 | 4 Point Segment Finding Scale | A four point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989. | |
| 125224 | 5 Point Segment Finding Scale | A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology. *Recommendations for Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989. | |
| 125225 | 5 Point Segment Finding Scale With Graded Hypokinesis | A five point, echocardiographic numeric scoring scheme of myocardium segments based on evaluation of wall motion and ventricle morphology, with severity of hypokinesis graded. *Recommendations for* | |



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| | | *Quantitation of the Left Ventricle by Two-Dimensional Echocardiography*, Journal of the American Society of Echocardiography, 2:358-367, 1989. | |
| 125226 | Single Plane Ellipse | Method of estimating volume from a planar ellipse. Equivalent to Biplane Ellipse with an assumption that the ellipse in the orthogonal plane has identical major and minor diameters. | |
| 125230 | Power Doppler | Color coded ultrasound images of blood flow which depict the amplitude, or power, of Doppler signals. | |
| 125231 | 3D mode | Volumetric ultrasound imaging | |
| ARCHIVE | Archive | Archive device | |
| *AS* | *Angioscopy* | *Angioscopy device* | *Retired* |
| AU | Audio | Audio object | |
| BI | Biomagnetic imaging | Biomagnetic imaging device | |
| CAD | Computer Assisted Detection/Diagnosis | Computer Assisted Detection/Diagnosis device | |
| CAPTURE | Image Capture | Image Capture Device, includes video capture | |
| *CD* | *Color flow Doppler* | *Color flow Doppler* | *Retired*<br>*Replaced by (US, DCM, "Ultrasound")* |
| *CF* | *Cinefluorography* | *Cinefluorography* | *Retired*<br>*Replaced by (RF, DCM, "Radiofluoroscopy")* |
| COMP | Computation Server | Computation Server; includes radiotherapy planning | |
| *CP* | *Culposcopy* | *Culposcopy* | *Retired* |
| CR | Computed Radiography | Computed Radiography device | |
| *CS* | *Cystoscopy* | *Cystoscopy* | *Retired* |
| CT | Computed Tomography | Computed Tomography device | |
| *DD* | *Duplex Doppler* | *Duplex Doppler* | *Retired* |
| *DF* | *Digital fluoroscopy* | *Digital fluoroscopy* | *Retired*<br>*Replaced by (RF, DCM, "Radiofluoroscopy")* |
| DG | Diaphanography | Diaphanography device | |
| *DM* | *Digital microscopy* | *Digital microscopy* | *Retired* |
| DOCD | Document Digitizer Equipment | Equipment that digitized hardcopy documents and | |



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| | | imported them. | |
| *DS* | *Digital Subtraction Angiography* | *Digital Subtraction Angiography* | *Retired*<br>*Replaced by (XA, DCM, "X-Ray Angiography")* |
| DSS | Department System Scheduler | Department System Scheduler, workflow manager; includes RIS | |
| DX | Digital Radiography | Digital Radiography device | |
| *EC* | *Echocardiography* | *Echocardiography* | *Retired*<br>*Replaced by (US, DCM, "Ultrasound")* |
| ECG | Electrocardiography | Electrocardiography device | |
| EPS | Cardiac Electrophysiology | Cardiac Electrophysiology device | |
| ES | Endoscopy | Endoscopy device | |
| F | Female | Female sex | |
| *FA* | *Fluorescein angiography* | *Fluorescein angiography* | *Retired*<br>*Replaced by (OP, DCM, "Ophthalmic photography")* |
| FC | Female changed to Male | Female sex changed to Male sex | |
| FILMD | Film Digitizer | Film Digitizer | |
| FP | Female Pseudohermaphrodite | Female Pseudohermaphrodite | |
| *FS* | *Fundoscopy* | *Fundoscopy* | *Retired* |
| GM | General Microscopy | General Microscopy device | |
| H | Hermaphrodite | Hermaphrodite | |
| HC | Hard Copy | Hard Copy | |
| HD | Hemodynamic Waveform | Hemodynamic Waveform acquisition device | |
| IO | Intra-oral Radiography | Intra-oral Radiography device | |
| IVUS | Intravascular Ultrasound | Intravascular Ultrasound device | |
| KO | Key Object Selection | Key Object Selection object | |
| LOG | Procedure Logging | Procedure Logging device; includes cath lab logging | |
| *LP* | *Laparoscopy* | *Laparoscopy* | *Retired* |
| LS | Laser surface scan | Laser surface scan device | |
| M | Male | Male sex | |
| *MA* | *Magnetic resonance angiography* | *Magnetic resonance angiography* | *Retired*<br>*Replaced by (MR, DCM, "Magnetic resonance")* |
| MC | Male changed to | Male sex changed to Female | |



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| | Female | sex | |
| MCD | Media Creation Device | A device that creates DICOM PS 3.10 interchange media. For example, a CD creator that is managed by the Media Creation Management Service Class. | |
| MEDIM | Portable Media Importer Equipment | Equipment that retrieved and imported objects from interchange Media. | |
| MG | Mammography | Mammography device | |
| MP | Male Pseudohermaphrodite | Male Pseudohermaphrodite | |
| MR | Magnetic Resonance | Magnetic Resonance device | |
| *MS* | *Magnetic resonance spectroscopy* | *Magnetic resonance spectroscopy* | *Retired*<br>*Replaced by (MR, DCM, "Magnetic resonance")* |
| NM | Nuclear Medicine | Nuclear Medicine device | |
| OCT | Optical Coherence Tomography | Modality device that uses an interferometric, non-invasive optical tomographic technique to image 2D slices and 3D volumes of tissue using visible and near visible frequencies. | |
| OP | Ophthalmic photography | Ophthalmic photography modality | |
| OPV | Ophthalmic Visual Field | Modality device that measures visual fields and perform visual perimetry. | |
| OPR | Ophthalmic Refraction | Modality device that measures the refractive characteristics of the eye. | |
| OPM | Ophthalmic Mapping | Modality device that measures corneal topography, corneal or retinal thickness, and other similar parameters that are typically displayed as maps. | |
| OT | Other Modality | Other Modality device | |
| PR | Presentation State | Presentation State object | |
| PRINT | Hard Copy Print Server | Hard Copy Print Server; includes printers with embedded DICOM print server | |
| PT | Positron emission tomography | Positron emission tomography (PET) device | |
| PX | Panoramic X-Ray | Panoramic X-Ray device | |
| REG | Registration | Registration | |
| RF | Radiofluoroscopy | Radiofluoroscopy device | |
| RG | Radiographic | Radiographic imaging | |



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| | imaging | (conventional film/screen) | |
| RT | Radiation Therapy Device | Radiation Therapy Device; includes linear accelerator, proton therapy | |
| RTDOSE | Radiotherapy Dose | Radiotherapy Dose | |
| RTIMAGE | Radiotherapy Image | Radiotherapy Imaging device; includes portal imaging | |
| RTPLAN | Radiotherapy Plan | Radiotherapy Plan | |
| RTRECORD | Radiotherapy Treatment Record | Radiotherapy Treatment Record | |
| RTSTRUCT | Radiotherapy Structure Set | Radiotherapy Structure Set | |
| SEG | Segmentation | Segmentation | |
| SM | Slide Microscopy | Slide Microscopy | |
| SMR | Stereometric Relationship | Stereometric image pairing modality | |
| SR | Structured Report Document | Structured Report Document | |
| ST | Single-photon emission computed tomography | Single-photon emission computed tomography (SPECT) device | |
| TG | Thermography | Thermography device | |
| U | Unknown Sex | Unknown Sex | |
| US | Ultrasound | Ultrasound device | |
| *VF* | *Videofluorography* | *Videofluorography* | *Retired*<br>*Replaced by (RF, DCM, "Radiofluoroscopy")* |
| VIDD | Video Tape Digitizer Equipment | Equipment that digitizes video tape and imports it. | |
| WSD | Workstation | Workstation | |
| XA | X-Ray Angiography | X-Ray Angiography device | |
| XC | External-camera Photography | External-camera Photography device | |



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## Annex E French Translations of Selected Codes used in the DCMR (Normative)

This Annex defines the French language code meanings for selected codes used in the DCMR.

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning English Language | Code Meaning French Language |
|---|---|---|---|---|
| BI | 3.0 | II.AC.a | 0 - Need additional imaging evaluation | 0. L'évaluation nécessite des compléments d'imagerie |
| BI | 3.0 | II.AC.b.1 | 1 – Negative | 1. Négatif |
| SRT | | F-01781 | 1 o'clock position | Situé à 1 heure |
| SRT | | F-0178A | 10 o'clock position | Situé à 10 heures |
| SRT | | F-0178B | 11 o'clock position | Situé à 11 heures |
| SRT | | F-0178C | 12 o'clock position | Situé à 12 heures |
| BI | 3.0 | II.AC.b.2 | 2 – Benign Finding | 2. Constatations bénignes |
| SRT | | F-01782 | 2 o'clock position | Situé à 2 heures |
| BI | 3.0 | II.AC.b.3 | 3 - Probably Benign Finding – short interval follow-up | 3. Anomalie probablement bénigne - proposition d'une surveillance à court terme |
| SRT | | F-01783 | 3 o'clock position | Situé à 3 heures |
| BI | 3.0 | II.AC.b.4 | 4 - Suspicious abnormality, biopsy should be considered | 4. Anomalie suspecte, une biopsie doit être envisagée |
| SRT | | F-01784 | 4 o'clock position | Situé à 4 heures |
| BI | 3.0 | II.AC.b.5 | 5 - Highly suggestive of malignancy, take appropriate action | 5. Haute probabilité de malignité, une action appropriée doit être entreprise |
| SRT | | F-01785 | 5 o'clock position | Situé à 5 heures |
| SRT | | F-01786 | 6 o'clock position | Situé à 6 heures |
| SRT | | F-01787 | 7 o'clock position | Situé à 7 heures |
| SRT | | F-01788 | 8 o'clock position | Situé à 8 heures |
| SRT | | F-01789 | 9 o'clock position | Situé à 9 heures |
| DCM | | 112063 | Abnormal calcifications | Calcifications anormales |
| DCM | | 112028 | Abnormal Distribution of Anatomic Structure | Distribution anormale des structures anatomiques |
| DCM | | 112004 | Abnormal interstitial pattern | Opacité interstitielle |
| DCM | | 112061 | Abnormal lines (1D) | Lignes anormales (1D) |
| DCM | | 112062 | Abnormal lucency | Clarté anormale |
| DCM | | 112033 | Abnormal opacity | Opacité anormale |
| DCM | | 112064 | Abnormal texture | Texture anormale<br>Note : If the term refers to a localized lesion the translation is |



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| | | | | “Texture anormale “ but if the term refers to the entire lung it is more appropriate to use “Trame anormale”. |
| SNM3 | | M-41610 | Abscess | Abcès |
| DCM | | 112146 | Acinar | Acinaire |
| DCM | | 112036 | ACR Position Statement | Position de l'ACR |
| SRT | | T-15420 | Acromioclavicular Joint | Articulation acromioclaviculaire |
| SRT | | T-12281 | Acromion process of scapula | Acromion |
| SRT | | G-A231 | Acute | Aigu |
| DCM | | 121078 | Addendum | Addendum |
| DCM | | 111135 | Additional projections | Incidence complémentaire |
| SNM3 | | M-82003 | Adenoid cystic carcinoma | Carcinome adénoïde kystique (cylindrome) |
| SNM3 | | M-83240 | Adenolipoma | Adénolipome |
| SNM3 | | M-81400 | Adenoma | Adénome |
| SNM3 | | M-89830 | Adenomyoepithelioma | Adénomyoépithéliome |
| SNM3 | | M-74200 | Adenosis | Adénose |
| SNM3 | | G-A127 | Afferent | Afférent |
| DCM | | 112055 | Agatston scoring method | Score de calcification cororaire par la méthode d’Agatston |
| DCM | | 112143 | Air | Air |
| DCM | | 112070 | Air bronchiologram | Bronchiologramme aérique |
| DCM | | 112071 | Air bronchogram | Bronchogramme aérique |
| DCM | | 112072 | Air crescent | Croissant aérique |
| DCM | | 112147 | Air space | Espace aérique |
| DCM | | 112104 | Air-fluid level | Niveau hydro-aérique |
| SRT | | F-20240 | Air-trapping | Piégeage |
| SRT | | T-20001 | Airway structure | Structure des voies aériennes |
| DCM | | 111001 | Algorithm Name | Nom de l’algorithme |
| DCM | | 111002 | Algorithm Parameters | Paramètres de l’algorithme |
| DCM | | 111003 | Algorithm Version | Version de l’algorithme |
| DCM | | 111242 | All algorithms succeeded; with findings | Tous les algorithmes ont réussi ; avec élément découvert |
| DCM | | 111241 | All algorithms succeeded; without findings | Tous les algorithmes ont réussi ; sans élément découvert |
| SRT | | F-01711 | Almost entirely fat | Presque entièrement graisseux |
| SNM3 | | G-A174 | Along edge | Au bord |
| SRT | | F-0176C | Amorphous calcification | Calcification amorphe |
| SNM3 | | M-55160 | Amyloid (tumor) | (Tumeur) amyloïde |
| DCM | | 111004 | Analysis Performed | Analyse effectuée |



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|---|---|---|---|---|
| DCM | | 112050 | Anatomic Identifier | Identificateur anatomique |
| SNM3 | | F-10326 | anatomical | Anatomique |
| SNM3 | | M-88610 | Angiolipoma | Angiolipome |
| SNM3 | | M-76100 | Angiomatosis | Angiomatose |
| SNM3 | | M-91203 | Angiosarcoma | Angiosarcome (hémangiosarcome) |
| SRT | | T-11307 | Angle of rib | Angle de la côte |
| SNM3 | | G-A105 | Anterior | Antérieur |
| DCM | | 112088 | Anterior junction line | Ligne médiastinale antérieure |
| SRT | | T-28630 | Anterior segment of left upper lobe | Segment antérieur du lobe supérieur gauche |
| SRT | | T-28230 | Anterior segment of right upper lobe | Segment antérieur du lobe supérieur droit |
| SNM3 | | G-A180 | Anterolateral | Antéro-latéral |
| DCM | | 111141 | Any decision to biopsy should be based on clinical assessment | Une éventuelle décision de biopsie doit être basée sur l'évaluation clinique |
| SRT | | T-42000 | Aorta | Aorte |
| SRT | | T-42300 | Aortic arch | Crosse de l'aorte |
| SRT | | T-42310 | Aortic isthmus | Isthme aortique |
| DCM | | 112102 | Aortic knob | Bouton aortique |
| SRT | | T-35400 | Aortic Valve | Valve aortique |
| SNM3 | | G-A122 | Apical | Apical |
| SRT | | G-A122 | Apical | Apical |
| SNM3 | | M-84013 | Apocrine adenocarcinoma | Carcinome apocrine |
| SNM3 | | M-73310 | Apocrine Metaplasia | Métaplasie apocrine |
| DCM | | 112103 | Arch of the Azygos vein | Crosse de la veine Azygos |
| SRT | | T-11511 | Arch of vertebra | Arc vertébral |
| DCM | | 112079 | Architectural distortion | Modification des rapports anatomiques |
| SRT | | F-01795 | Architectural distortion of breast | Distorsion architecturale du sein |
| SNM3 | | G-A166 | Area | Surface |
| SRT | | G-A16A | Area of defined region | Surface de la région définie |
| DCM | | 121056 | Area Outline | Tracé de la surface |
| DCM | | 111215 | Artifact(s) other than grid or detector artifact | Artéfacts autres qu'artéfacts de grille ou du détecteur |
| SRT | | T-42100 | Ascending aorta | Aorte thoracique ascendante |
| DCM | | 111005 | Assessment Category | Catégorie d'évaluation |
| DCM | | 112003 | Associated Chest Component | Structure anatomique du thorax |
| SRT | | F-01793 | Asymmetric breast tissue | Tissu mammaire asymétrique |
| SRT | | P5-B3412 | Asymmetric breast tissue | Analyse de l'asymétrie du tissu |



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| | | | analysis | mammaire |
| SRT | | F-8A063 | Asynchronous involution of breast | Involution asynchrone du sein |
| SRT | | D4-31220 | Atrial Septal Defect | Communication inter atriale |
| SRT | | T-32100 | Atrium | Atrium ou Oreillette |
| DCM | | 121089 | Attending (syn. Consultant) | Consultant |
| DCM | | 112031 | Attenuation Coefficient | Coefficient d'atténuation |
| SNM3 | | M-72175 | Atypical intraductal hyperplasia | Hyperplasie intracanalaire atypique |
| SNM3 | | M-72105 | Atypical lobular hyperplasia | Hyperplasie lobulaire atypique |
| SNM3 | | G-A147 | Axial | Axial |
| SRT | | F-01794 | Axilla position | Situation axillaire |
| BI | 3.0 | I.E.6 | Axillary adenopathy | Adénopathie axillaire |
| SRT | | T-47100 | Axillary Artery | Artère axillaire |
| SRT | | T-18774 | Axillary Fascia | Fascia axillaire |
| DCM | | 111301 | Axillary nodal metastases | Métastases ganglionnaires axillaire |
| DCM | | 111253 | Axillary node hyperplasia | Hyperplasie dans ganglion axillaire |
| DCM | | 111252 | Axillary node with calcifications | Ganglion axillaire avec calcifications |
| DCM | | 111300 | Axillary node with lymphoma | Lympphome dans ganglion axillaire |
| SNM3 | | R-102D1 | Axillary Tail | Prolongement axillaire |
| SRT | | F-0178E | Axillary tail position | Situé dans le prolongement axillaire du sein |
| SRT | | T-49110 | Axillary vein | Veine axillaire |
| DCM | | 112090 | Azygoesophageal recess interface | Ligne para-azygo-oesophagienne |
| SRT | | T-48340 | Azygos vein | Grande veine Azygos |
| SNM3 | | G-A123 | Basal | Basal |
| DCM | | 111307 | Basal cell carcinoma of the nipple | Carcinome basocellulaire du mamelon |
| DCM | | 121079 | Baseline | Référence |
| DCM | | 112016 | Baseline Category | Catégorie à T0 |
| DCM | | 112154 | Bat's wing distribution | No translation is provided<br>Note: In France, the two concepts as described in Annex D 112154 and 112155 are not distinguished. For this reason both "Bat's wing" and "Butterfly distribution" are translated as "Aspect en aile de papillon". |
| SNM3 | | A-32475 | BB shot (Lead Pellet) | Marque de plomb (Grain de plomb) |



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|---|---|---|---|---|
| DCM | | 112066 | Beaded septum sign | Septa perlés |
| DCM | | 111256 | Benign Calcifications | Calcifications bénignes |
| DCM | | 111255 | Benign cyst with blood | Kyste bénin hémorragique |
| SNM3 | | D7-F0810 | Benign neoplasm of nipple of female breast (Nipple adenoma) | Adénomatose ( papillomatose) érosive du mamelon |
| DCM | | 121080 | Best illustration of finding | Meilleure illustration des résultats |
| DCM | | 112049 | Best Overall Response | La meilleure réponse |
| SNM3 | | G-A102 | Bilateral | Bilatéral |
| DCM | | 111143 | Biopsy should be considered | Une biopsie doit être envisagée |
| DCM | | 111148 | Biopsy should be strongly considered | Une biopsie doit être absolument envisagée |
| DCM | | 111303 | Blood vessel (vascular) invasion | Embole vasculaire |
| SRT | | T-11220 | Body of sternum | Corps du sternum |
| DCM | | 112007 | Border definition | Définition des bords |
| DCM | | 112015 | Border shape | Forme des bords |
| SNM3 | | T-04080 | Both breasts | Les deux seins |
| SRT | | T-47160 | Brachial artery | Artère brachiale |
| SRT | | T-A9090 | Brachial plexus | Plexus brachial |
| SRT | | T-46010 | Brachiocephalic trunk | Tronc artériel brachio-céphalique |
| SRT | | T-48620 | Brachiocephalic vein | Tronc veineux brachio-céphalique |
| SNM3 | | T-04000 | Breast | Sein |
| SRT | | F-01710 | Breast composition | Composition du sein (des seins) |
| SRT | | P5-B3414 | Breast composition analysis | Analyse de la composition du sein (des seins) |
| DCM | | 111100 | Breast geometry | Morphologie du sein (des seins) |
| SNM3 | | D7-90428 | Breast lobular hyperplasia | Hyperplasie lobulaire mammaire |
| DCM | | 111007 | Breast Outline including Pectoral Muscle Tissue | Limites du sein incluant le muscle pectoral |
| SNM3 | | T-04000 | Breast, NOS | Sein, SAI |
| SRT | | R-40939 | Bronchial | Bronchique |
| SRT | | T-46310 | Bronchial artery | Artère bronchique |
| DCM | | 112052 | Bronchovascular | Broncho-vasculaire |
| SRT | | T-26000 | Bronchus | Bronche |
| SNM3 | | A-32110 | Bullet | Balle |
| DCM | | 112155 | Butterfly distribution | Aspect en ailes de papillon |
| DCM | | 111017 | CAD Processing and | Résumé du traitement et des |



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|---|---|---|---|---|
| | | | Findings Summary | résultats du système de DAO[1] |
| SRT | | F-01775 | Calcification Cluster | Foyer de microcalcifications |
| DCM | | 112030 | Calcification Descriptor | Descripteur des calcifications |
| DCM | | 111008 | Calcification Distribution | Distribution des calcifications |
| DCM | | 112018 | Calcification extent as percent of surface | % de surface calcifiée |
| DCM | | 112019 | Calcification extent as percent of volume | % de volume calcifié |
| DCM | | 111009 | Calcification Type | Type de calcification |
| SRT | | F-01769 | Calcified skin of breast | Calcification cutanée |
| SRT | | F-0176A | Calcified suture material | Fils de suture calcifiés |
| DCM | | 112145 | Calcium | Calcium |
| DCM | | 112058 | Calcium score | Score de calcification |
| DCM | | 112034 | Calculation Description | Description du calcul |
| SNM3 | | G-A171 | Capsular | Capsulaire |
| DCM | | 111304 | Carcinoma in children | Carcinome de l'enfant |
| DCM | | 111305 | Carcinoma in ectopic breast | Carcinome sur glande mammaire ectopique |
| DCM | | 111310 | Carcinoma in pregnancy and lactation | Carcinome au cours de la grossesse et de la lactation |
| SNM3 | | D7-F0902 | Carcinoma in situ of male breast | Carcinome de l'homme |
| DCM | | 111306 | Carcinoma with endocrine differentiation | Carcinome avec différenciation endocrine |
| SNM3 | | M-85733 | Carcinoma with metaplasia | Carcinome métaplasique |
| SNM3 | | M-89803 | Carcinosarcoma | Carcinosarcome |
| SRT | | A-040CB | Cardiac pacemaker lead | Electrode de pace-maker cardiaque |
| SRT | | T-25201 | Carina | Carène |
| DCM | | 112086 | Carina angle | Angle carinaire |
| SRT | | T-B4000 | Carotid Body | Corpuscule carotidien |
| DCM | | 111309 | Cartilaginous and osseous change | Métaplasie cartilagineuse ou osseuse |
| SNM3 | | A-26800 | Catheter | Cathéter |
| SNM3 | | G-A108 | Caudal | Caudal |
| SNM3 | | G-A108 | Caudal | Caudal |
| SNM3 | | G-A107 | Caudal-cranial | Pieds-tête |
| SNM3 | | R-10244 | caudo-cranial (from below) | Face caudo-craniale |
| DCM | | 112017 | Cavity extent as percent of volume | Taille de la cavité en % du volume |

[1] DAO = Détection Assistée par Ordinateur



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|---|---|---|---|---|
| DCM | | 111203 | CC Nipple not centered on image | Cranio-caudal: mamelon non centré sur l'image |
| DCM | | 111202 | CC Not all medial tissue visualized | Cranio-caudal: le tissu interne n'est pas totalement visible |
| DCM | | 111204 | CC Posterior nipple line does not measure within 1 cm of MLO | Cranio-caudal: longueur de la ligne rétroaréolaire sur la face plus courte de plus d'un centimètre que sur l'oblique |
| DCM | | 111010 | Center | Centre |
| UCUM | | cm | centimeter | Centimètre |
| SNM3 | | G-A110 | Central | Central |
| SRT | | G-A110 | Central | Central |
| DCM | | 112174 | Central line | Cathéter central |
| SRT | | F-0178F | Central portion of breast position | Situé dans la partie centrale du sein |
| DCM | | 112156 | Centrilobular | Centro-lobulaire |
| DCM | | 112087 | Centrilobular structures | Structures centro-lobulaires |
| SNM3 | | G-A107 | Cephalic | Céphalique |
| SNM3 | | G-A107 | Cephalic | Céphalique |
| DCM | | 111011 | Certainty of Feature | Certitude concernant la caractéristique |
| DCM | | 111012 | Certainty of Finding | Certitude concernant le résultat |
| DCM | | 111013 | Certainty of Impression | Certitude concernant l'impression |
| SRT | | A-12210 | Cervical collar | Minerve |
| DCM | | 112000 | Chest CAD Report | Compte-rendu de la DAO du thorax |
| DCM | | 112173 | Chest tube | Drain thoracique |
| SRT | | T-D3050 | Chest wall | Paroi thoracique |
| SNM3 | | M-92200 | Chondroma | Chondrome |
| SNM3 | | M-92203 | Chondrosarcoma | Chondrosarcome |
| SRT | | T-35020 | Chordae tendineae cordis | Cordage |
| SRT | | G-A270 | Chronic | Chronique |
| SNM3 | | M-02560 | Circumference | Circonférence |
| DCM | | 112142 | Circumscribed | Circonscrit |
| SRT | | F-01741 | Circumscribed lesion | Lésion circonscrite (bien définie ou à contour net) |
| SRT | | T-12310 | Clavicle | Clavicule |
| SRT | | T-11219 | Clavicular notch of sternum | Incisure claviculaire du sternum |
| SNM3 | | R-102D2 | Cleavage | Sillon inter-mammaire |
| SNM3 | | A-12062 | Clip | Clip |
| DCM | | 111014 | Clockface or region | Quadrant ou région |



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|---|---|---|---|---|
| DCM | | 112157 | Coalescent | Confluent |
| SRT | | F-01761 | Coarse (popcorn-like) calcification | Grossière (en popcorn ou coralliforme) |
| DCM | | 112178 | Coin | Pièce de monnaie |
| SRT | | F-20172 | Coin lesion | Lésion nodulaire |
| DCM | | 111195 | Collimation too close to breast | Collimation trop proche du sein |
| SNM3 | | A-10044 | Collimator | Collimateur |
| SNM3 | | M-85012 | Comedocarcinoma (intraductal) | Carcinome intracanalaire de type comédo |
| SRT | | T-45100 | Common carotid artery | Artère carotide commune |
| DCM | | 111015 | Composite Feature | Caractéristique composite |
| DCM | | 112023 | Composite Feature Modifier | Modificateur lié à une anomalie à caractéristiques composites |
| DCM | | 111016 | Composite type | Type composite |
| DCM | | 110004 | Computer Aided Detection | Système de Détection Assistée par Ordinateur |
| DCM | | 110003 | Computer Aided Diagnosis | Système de Diagnostic Assisté par Ordinateur |
| DCM | | 121077 | Conclusion | Conclusion |
| DCM | | 121076 | Conclusions | Conclusions |
| DCM | | 111018 | Content Date | Date du contenu |
| DCM | | 111019 | Content Time | Heure du contenu |
| SNM3 | | C-B0300 | Contrast agent NOS | Produit de contraste, SAI |
| SRT | | T-12282 | Coracoid process of scapula | Apophyse coracoïde |
| DCM | | 112105 | Corona radiata | Couronne radiaire |
| SNM3 | | G-A138 | Coronal | Coronal |
| SRT | | T-11240 | Costal Cartilage | Cartilage costal |
| SRT | | T-11308 | Costal groove | Sillon de la côte |
| SRT | | T-46180 | Costocervical trunk | Tronc cervico-thoracique |
| SNM3 | | G-A108 | Cranial-caudal | Tête-pieds |
| SNM3 | | G-A108 | Cranio-caudal | Cranio-caudal |
| SNM3 | | R-10242 | cranio-caudal | Face |
| SNM3 | | Y-X1770 | cranio-caudal exaggerated laterally | Face exagérée externe |
| SNM3 | | Y-X1771 | cranio-caudal exaggerated medially | Face exagérée interne |
| LN | | 18747-6 | CT Report | Compte rendu TDM |
| UCUM | | cm3 | Cubic centimeter | Centimètre cube |
| UCUM | 1.4 | dm3 | Cubic decimeter | Décimètre cube |
| UCUM | | um3 | Cubic micrometer | Micromètre cube |
| UCUM | | mm3 | Cubic millimeter | Millimètre cube |



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|---|---|---|---|---|
| SNM3 | | F-10410 | curled-up | En chien de fusil |
| DCM | | 121064 | Current Procedure Descriptions | Description de la procédure en cours |
| DCM | | 112048 | Current Response | Réponse actuelle |
| SNM3 | | D7-90360 | Cyst of breast | Kyste du sein |
| DCM | | 111147 | Cytologic analysis | Analyse cytologique |
| DCM | | 111193 | Date sticker is missing | L'étiquette de date est absente |
| UCUM | 1.4 | d | Day | Jour |
| SRT | | F-01727 | Decrease in number of calcifications | Diminution du nombre de calcifications |
| SRT | | M-02530 | Decrease in size | Diminution de taille |
| SNM3 | | G-A140 | Deep | Profond |
| SRT | | T-13660 | Deltoid muscle | Muscle deltoïde |
| DCM | | 112118 | Density | Densité<br>Note: Typically used with chest CT |
| SRT | | F-01796 | Mammography breast density | Opacité mammaire à la mammographie |
| DCM | | 112119 | Dependent opacity | Opacité déclive |
| SRT | | G-D785 | Depth | Profondeur |
| DCM | | 111020 | Depth | Profondeur |
| DCM | | 121401 | Derivation | Méthode de calcul |
| SRT | | T-D0765 | Descending aorta | Aorte thoracique descendante |
| DCM | | 111021 | Description of Change | Description des modifications |
| DCM | | 111022 | Detection Performed | Détection effectuée |
| DCM | | 111214 | Detector artifact(s) | Artéfacts du détecteur |
| DCM | | 111259 | Diabetic fibrous mastopathy | Mastopathie diabétique |
| SNM3 | | M-02550 | Diameter | Diamètre |
| SRT | | G-A198 | Diameter of circumscribed circle | Diamètre du cercle circonscrit |
| SRT | | T-D3400 | Diaphragm | Diaphragme |
| DCM | | 110011 | Dictation | |
| DCM | | 112166 | Difference in border definition | Modification de la netteté des bords |
| DCM | | 112165 | Difference in border shape | Modification de la forme des bords |
| DCM | | 112167 | Difference in distribution | Modification de la distribution |
| SRT | | F-017B3 | Difference in location | Différence de localisation |
| SRT | | F-017B7 | Difference in margin | Différence de contours |
| SRT | | F-017B5 | Difference in number of calcifications | Différence du nombre de calcifications |
| SRT | | F-017B2 | Difference in opacity | Différence d'opacité |
| SRT | | F-017B6 | Difference in shape | Différence de forme |



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| DCM | | 112168 | Difference in site involvement | Modification du siège des lésions |
| SRT | | F-017B1 | Difference in size | Différence de taille |
| SRT | | F-017B4 | Difference in spatial proximity | Différence de proximité dans l'espace |
| SRT | | F-017B8 | Difference in symmetry | Différence de symétrie |
| DCM | | 112170 | Difference in Texture | Modification de texture |
| DCM | | 112169 | Difference in Type of Content | Modification du contenu |
| DCM | | 111023 | Differential Diagnosis/Impression | Diagnostic différentiel/Impression |
| SRT | | G-A321 | Diffuse | Diffus |
| SRT | | F-01770 | Diffuse calcification distribution | Calcifications diffuses(disséminées) |
| SRT | | M-020FA | Discoid | Discoïde |
| SRT | | G-A324 | Disseminated | Disséminé |
| SNM3 | | G-A119 | Distal | Distal |
| DCM | | 121206 | Distance | |
| DCM | | 112138 | Distinctly defined | Distincts les uns des autres |
| DCM | | 112006 | Distribution Descriptor | Descripteur de la distribution |
| DCM | | 113011 | Document Title Modifier | Modificateur du titre du document |
| SNM3 | | G-A106 | Dorsal | Dorsal |
| SRT | | T-12287 | Dorsal aspect of scapula | Corps de l'omoplate |
| SRT | | T-461A0 | Dorsal scapular artery | Artère scapulaire postérieure |
| DCM | | 111258 | Ductal adenoma | Adénome ductal |
| SNM3 | | M-72170 | Ductal hyperplasia, Usual | Hyperplasie canalaire |
| SRT | | P5-40060 | mammary ductogram | Galactographie |
| SRT | | F-01762 | Dystrophic calcification | Dystrophique |
| SNM3 | | D4-48014 | Ectopic (accessory) breast tissue | Tissu mammaire ectopique ( glande mammaire accessoire) |
| SNM3 | | M-36300 | Edema | Oedème |
| SNM3 | | G-A174 | Edge | Bord |
| SNM3 | | G-A128 | Efferent | Efférent |
| SRT | | F-01763 | Eggshell calcification | En coquille d'oeuf |
| DCM | | 111217 | Electrical failure | Défaillance électrique |
| DCM | | 112134 | Elliptic | Elliptique |
| SRT | | A-25350 | Endotracheal tube | Tube endotrachéal |
| SRT | | R-40750 | Enlarged | Augmenté de taille |
| SNM3 | | M-33410 | Epidermal inclusion cyst | Kyste épidermique |
| SRT | | F-01752 | Equal density (isodense) lesion | Lésion de densité identique (isodense) |



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|---|---|---|---|---|
| SNM3 | | F-10440 | erect | Debout |
| SRT | | T-14020 | Erector spinae muscle | Muscles érecteurs du rachis |
| SRT | | T-4630D | Esophageal artery | Artère oesophagienne |
| SRT | | T-D3412 | Esophageal Hiatus | Hiatus oesophagien |
| SRT | | T-56000 | Esophagus | Oesophage |
| SRT | | R-10260 | Estimated | Estimé |
| SNM3 | | R-102CF | exaggerated cranio-caudal | Face exagérée |
| SNM3 | | G-A112 | External | Externe |
| SRT | | R-40941 | External | Externe |
| SRT | | T-1416B | External intercostal muscle | Muscle intercostal externe |
| SNM3 | | M-88211 | Extra abdomenal desmoid | Tumeur desmoïde extraabdominale |
| SNM3 | | G-A151 | Extra-articular | Extra-articulaire |
| SRT | | F-01714 | Extremely dense | Très dense |
| DCM | | 112131 | Extremely small | Extrêmement petit |
| DCM | | 111224 | Failed | Echec |
| DCM | | 111024 | Failed Analyses | Échec des analyses |
| DCM | | 111025 | Failed Detections | Échec des détections |
| SRT | | T-D0634 | Fascial layer | Fascia |
| SRT | | T-D008A | Fat | Graisse |
| SRT | | F-01754 | Fat containing (radiolucent) lesion | Lésion contenant de la graisse (radiotransparent) |
| SNM3 | | D7-90434 | Fat necrosis of breast | Cytostéatonécrose mammaire |
| DCM | | 111159 | Feature detected on images from multiple modalities | Caractéristique détectée sur les images provenant de plusieurs modalités |
| DCM | | 111158 | Feature detected on multiple images | Caractéristique détectée sur plusieurs images |
| DCM | | 111157 | Feature detected on only one of the images | Caractéristique détectée sur une seule des images |
| DCM | | 111156 | Feature detected on the only image | Caractéristique détectée sur la seule image |
| SRT | | A-26430 | Feeding tube | Sonde d'alimentation |
| DCM | | F | female | Femme |
| DCM | | 111264 | Fibroadenolipoma | Adénofibrolipome |
| SNM3 | | M-90100 | Fibroadenoma | Fibroadénome |
| DCM | | 111263 | Fibroadenomatoid hyperplasia | Hyperplasie fibro-adénomatoïde |
| DCM | | 112163 | Fibrocalcific | Fibrocalcique |
| SNM3 | | D7-90310 | Fibrocystic disease of breast | Dysplasie fibrokystique du sein |
| SNM3 | | M-78800 | Fibromatosis | Fibomatose |



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| DCM | | 112148 | Fibronodular | Fibro-nodulaire |
| SNM3 | | M-88103 | Fibrosarcoma | Fibrosarcome |
| DCM | | 112171 | Fiducial mark | Point de repère |
| DCM | | 110010 | Film | |
| DCM | | 121071 | Finding | Résultat |
| SRT | | F-01722 | Finding partially removed | Exérèse partielle de l'élément |
| DCM | | 121070 | Findings | Résultats |
| SRT | | F-0176D | Fine, linear (casting) calcification | Calcification fine linéaire (vermiculaire) |
| SRT | | F-0176E | Fine, linear, branching (casting) calcification | Calcification fine linéaire, arborisée (ramifiée) |
| SRT | | T-D051D | Fissure of lung | Scissure |
| DCM | | 111191 | Flash doesn't include cassette/screen/detector identification | Le marquage n'indique pas l'identifiant de cassette/écran/détecteur |
| DCM | | 111188 | Flash doesn't include date of examination | Le marquage n'indique pas la date de l'examen |
| DCM | | 111189 | Flash doesn't include facility name and location | Le marquage n'indique ni le nom de l'établissement ni son adresse |
| DCM | | 111192 | Flash doesn't include mammography unit identification | Le marquage n'indique pas l'identifiant du mammographe |
| DCM | | 111187 | Flash doesn't include patient name and additional patient id | Le marquage n'indique ni le nom du patient ni son identifiant. |
| DCM | | 111186 | Flash is illegible, does not fit, or is lopsided | Le marquage est illisible, mal positionné ou de travers |
| DCM | | 111185 | Flash is not near edge of film | Le marquage n'est pas au bord du film |
| DCM | | 112107 | Fleischner's line(s) | Ligne(s) de Fleischner |
| DCM | | 112164 | Flocculent | Floconneux |
| DCM | | 112149 | Fluffy | Flou<br>Note: the word-to-word translation of "Fluffy" is "Duveteux", but this term is never used. For tissues, the translation must be "Floconneux" but this term is only used for calcifications (Flocculent = Floconneux) in CID 6132. We retained "Flou" (in English, "Fuzzy") as the most appropriate. |
| SRT | | G-A351 | Focal | Localisé |
| SRT | | F-01792 | Focal asymmetric breast tissue | Asymétrie focale du tissu mammaire |
| SRT | | P5-B3410 | Focal asymmetric density analysis | Analyse de l'asymétrie de densité focale |
| SNM3 | | M-78266 | Focal fibrosis | Fibrose focale |



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|---|---|---|---|---|
| DCM | | 111142 | Follow-up at short interval (1-11 months) | Surveillance à court terme (1-11 mois) |
| DCM | | 113005 | For Conference | Pour une conférence |
| DCM | | 113007 | For Patient | Pour le patient |
| DCM | | 113008 | For Peer Review | Pour relecture par un pair |
| DCM | | 113002 | For Referring Provider | Pour le référent |
| DCM | | 113009 | For Research | Pour la recherche |
| DCM | | 113003 | For Surgery | Pour la chirurgie |
| DCM | | 113004 | For Teaching | Pour l'enseignement |
| DCM | | 113006 | For Therapy | Pour la thérapeutique |
| SNM3 | | M-44140 | Foreign body (reaction) | Réaction à corps étranger |
| SRT | | M-30400 | Foreign material (iodized oil, mercury, talc) | Corps étranger (lipiodol, mercure, talc) |
| SNM3 | | F-10380 | frog | Position de la grenouille |
| SNM3 | | G-A138 | Frontal | Frontal |
| SNM3 | | D7-90364 | Galactocele | Galactocèle |
| SRT | | G-A366 | Generalized | Généralisé |
| SNM3 | | M-90160 | Giant fibroadenoma | Adénofibrome géant |
| SRT | | T-1228A | Glenoid cavity of scapula | Cavité glénoïde |
| SNM3 | | M-83153 | Glycogen-rich carcinoma | Carcinome riche en glycogène |
| SNM3 | | M-95800 | Granular cell tumor | Tumeur à cellules granuleuses |
| DCM | | 112128 | Granular pattern | Aspect micronodulaire |
| DCM | | 111208 | Grid artifact(s) | Artéfact(s) de grille |
| DCM | | 112120 | Ground glass opacity | Opacité en verre dépoli |
| SRT | | F-01772 | Grouped calcification distribution | Calcification groupées (ou en foyer) |
| SNM3 | | G-A169 | Gutter | Gouttière |
| SNM3 | | D7-90420 | Gynecomastia | Gynécomastie |
| DCM | | 112073 | Halo sign | Signe du halo |
| SNM3 | | M-75500 | Hamartoma | Hamartome |
| SRT | | T-11301 | Head of rib | Tête de le côte |
| SRT | | T-32000 | Heart | Coeur |
| SRT | | A-04110 | Heart valve prosthesis | Prothèse valvulaire |
| SNM3 | | M-91200 | Hemangioma | Hémangiome |
| SNM3 | | D3-F0620 | Hemangioma of subcutaneous tissue | Hémangiome des tissues sous-cutané |
| SNM3 | | M-91220 | Hemangioma – venous | Hémangiome veineux |
| SNM3 | | M-91501 | Hemangiopericytoma | Hémangiopéricytome |
| SNM3 | | M-35060 | Hematoma | Hématome |
| SRT | | F-0176F | Heterogeneous calcification | Calcification punctiforme irrégulière (polymorphe, hétérogène) |
| SRT | | F-01713 | Heterogeneously dense | Dense et hétérogène |



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|---|---|---|---|---|
| DCM | | 112095 | Hiatus | Hiatus |
| SRT | | F-01751 | High density lesion | Lésion de forte densité |
| DCM | | 111149 | Highly suggestive of malignancy – take appropriate action | Haute probabilité de malignité - une action appropriée doit être entreprise |
| SNM3 | | G-A170 | Hilar | Hilaire |
| SRT | | T-28080 | Hilum of lung | Hile pulmonaire |
| SNM3 | | G-A170 | Hilus | Hile |
| DCM | | 111145 | Histology using core biopsy | Histologie par biopsie à l'aiguille |
| DCM | | 121060 | History | Antécédents |
| SNM3 | | M-96503 | Hodgkin's disease (lymphoma) | Maladie de Hodgkin |
| DCM | | 112160 | Homogeneous (uniform opacity) | Homogène (opacité uniforme) |
| DCM | | 112106 | Honeycomb pattern | Aspect en rayon de miel |
| SNM3 | | G-A142 | Horizontal | Horizontal |
| SRT | | G-A142 | Horizontal | Horizontal |
| DCM | | 111026 | Horizontal Pixel Spacing | Espacement horizontal des pixels |
| UCUM | | h | hour | Heure |
| SRT | | T-12410 | Humerus | Humérus |
| DCM | | 112159 | Hyper-acute | Suraigu |
| SNM3 | | M-72000 | Hyperplasia, usual | Hyperplasie simple |
| SNM3 | | A-16016 | ID Plate | Zone d'identification |
| SRT | | T-14030 | Iliocostalis muscle | Muscle ilio-costal |
| DCM | | 111027 | Image Laterality | Latéralité de l'image |
| DCM | | 111028 | Image Library | Bibliothèque d'images |
| DCM | | 110001 | Image Processing | |
| DCM | | 111101 | Image Quality | Qualité image |
| SRT | | P5-B3408 | Image quality analysis | Analyse de la qualité d'image |
| DCM | | 111029 | Image Quality Rating | Score de qualité image |
| DCM | | 111030 | Image Region | Région de l'image |
| DCM | | 111031 | Image View | Incidence |
| DCM | | 111032 | Image View Modifier | Modificateur de l'incidence |
| SNM3 | | A-04010 | Implant | Prothèse |
| SNM3 | | R-102D5 | Implant Displaced | Prothèse déplacée |
| SRT | | F-0172B | Implant revised since previous mammogram | Prothèse révisée depuis la mammographie précédente |
| DCM | | 121073 | Impression | Impression |
| DCM | | 111033 | Impression Description | Description de l'impression |
| DCM | | 121072 | Impressions | Impressions |
| DCM | | 111196 | Inadequate compression | Compression inadéquate |



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|---|---|---|---|---|
| DCM | | 111219 | Inappropriate image processing | Défaillance du processus de traitement d'image |
| SRT | | F-01726 | Increase in number of calcifications | Augmentation du nombre de calcifications |
| SRT | | M-02520 | Increase in size | Augmentation de taille |
| SRT | | F-01744 | Indistinct lesion | Lésion indistincte |
| SRT | | F-01776 | Individual Calcification | Calcification isolée |
| DCM | | 111233 | Individual Impression / Recommendation Analysis | Analyse de l'Impression / recommandation élémentaire |
| DCM | | 111034 | Individual Impression/Recommendation | Impression élémentaire/Recommandation |
| SNM3 | | D7-90452 | Infarction of breast | Infarctus mammaire |
| SNM3 | | G-A115 | Inferior | Inférieur |
| SRT | | T-116EF | Inferior articular facet of axis | Facette articulaire inférieure de l'axis |
| SRT | | T-1153F | Inferior articular process of vertebra | Massif articulaire inférieur |
| SRT | | T-46940 | Inferior phrenic artery | Artère phrénique inférieure |
| SRT | | T-48710 | Inferior vena cava | Veine cave inférieure |
| DCM | | 112121 | Infiltrate | Infiltrat |
| SNM3 | | M-85003 | Infiltrating duct carcinoma | Carcinome canalaire infiltrant |
| SNM3 | | M-40000 | Inflammation | Infection |
| SNM3 | | M-85303 | Inflammatory carcinoma | Carcinome inflammatoire |
| SRT | | T-13620 | Infraspinatus muscle | Muscle sous épineux |
| DCM | | 112161 | Inhomogeneous | Hétérogène |
| SNM3 | | G-A113 | Inner | En dedans |
| SRT | | T-14165 | Innermost intercostal muscles | Muscles intercostaux intimes |
| DCM | | 111240 | Institutionally defined quality control standard | Standards de contrôle de qualité définis par l'institution |
| DCM | | 111206 | Insufficient implant displacement incorrect | Refoulement de la prothèse insuffisant |
| SRT | | T-D305A | Intercostal artery | Artère intercostale |
| DCM | | 112082 | Interface | Interface |
| SNM3 | | G-A114 | Intermediate | Intermédiaire |
| DCM | | 121085 | Intern | Interne |
| SNM3 | | G-A113 | Internal | Interne |
| SRT | | R-40819 | Internal | Interne |
| SRT | | T-14183 | Internal intercostal muscle | Muscle intercostal interne |
| SRT | | T-48170 | Internal jugular vein | Veine jugulaire interne |
| SRT | | T-46200 | Internal thoracic artery | Artère thoracique interne |



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|---|---|---|---|---|
| DCM | | 110005 | Interpretation | |
| SRT | | T-1A007 | Interstitial tissue | Interstitium |
| SRT | | T-32410 | Interventricular septum | Septum interventriculaire |
| SNM3 | | G-A15A | Intra-articular | Intra-articulaire |
| DCM | | 111315 | Intracystic papillary carcinoma | Carcinome papillaire intrakystique |
| SNM3 | | M-85040 | Intracystic papilloma | Papillome intrakystique |
| SNM3 | | M-85072 | Intraductal carcinoma micro-papillary | Carcinome intracanalaire de type micropapillaire |
| DCM | | 111341 | Intraductal carcinoma, high grade | Carcinome intracanalaire |
| DCM | | 111313 | Intraductal carcinoma, low grade | Carcinome intracanalaire de bas grade |
| DCM | | 111312 | Intraductal comedocarcinoma with necrosis | Carcinome intracanalaire de type comédo avec nécrose |
| SNM3 | | M-85030 | Intraductal papilloma | Papillome intragalactophorique |
| DCM | | 112108 | Intralobular lines | Lignes intra-lobulaires |
| SNM3 | | T-C4351 | Intra-mammary lymph node | Ganglion intramammaire |
| DCM | | 111316 | Invasive and in-situ carcinoma | Carcinome infiltrant et in situ |
| SNM3 | | M-82013 | Invasive cribriform carcinoma | Carcinome infiltrant cribriforme |
| SNM3 | | M-85203 | Invasive lobular carcinoma | Carcinome lobulaire infiltrant |
| SNM3 | | F-10349 | inverse Trendelenburg | Trendelenburg inversé |
| SNM3 | | G-A402 | Irregular | Irrégulière |
| SNM3 | | A-1016B | J Wire | Hameçon |
| SRT | | A-26434 | Jejunostomy tube | Tube de jéjunostomie |
| SRT | | A-61000 | Jewelry | Bijoux |
| SNM3 | | M-90300 | Juvenile fibroadenoma | Fibroadénome juvénile |
| DCM | | 111277 | Juvenille papillomatosis | Papillomatose juvénile |
| DCM | | 112109 | Kerley A line | Ligne A de Kerley |
| DCM | | 112110 | Kerley B line | Ligne B de Kerley |
| DCM | | 112111 | Kerley C lines | Lignes C de Kerley |
| DCM | | 113012 | Key Object Description | Description de l'objet clé |
| DCM | | 112175 | Kidney stent | Stent rénal |
| SNM3 | | F-10336 | knee-chest | Genu pectoral |
| SNM3 | | F-10330 | kneeling | À genou [à genou] |
| SNM3 | | M-82040 | Lactating adenoma | Adénome lactant |
| DCM | | 111279 | Lactational change | Lobule sécrétant |
| SRT | | T-11514 | Lamina of vertebra | Lame de la vertèbre |
| SRT | | G-A405 | Laminated | Lamellaire |



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|---|---|---|---|---|
| SRT | | R-404AA | Large | Gros |
| DCM | | 111281 | Large duct papilloma | Papillome solitaire |
| SRT | | F-01764 | Large rod-like calcification | Calcification en bâtonnet |
| SNM3 | | G-A104 | Lateral | Externe |
| SNM3 | | F-10318 | lateral decubitus | Décubitus latéral |
| SRT | | G-C171 | Laterality | Latéralité |
| SNM3 | | R-10228 | latero-medial | Profil externe |
| SNM3 | | R-10230 | latero-medial oblique | Latéro-médial oblique |
| SRT | | T-14172 | Latissimus dorsi muscle | Muscle grand dorsal |
| SNM3 | | G-A101 | Left | Gauche |
| SNM3 | | T-04030 | Left breast | Sein gauche |
| SNM3 | | G-A101 | Left lateral | Latéral gauche |
| SNM3 | | F-10319 | left lateral decubitus | Décubitus latéral gauche |
| SRT | | T-26500 | Left main bronchus | Bronche principale gauche |
| SNM3 | | M-88900 | Leiomyoma | Léiomyome |
| SNM3 | | M-88903 | Leiomyosarcoma | Léiomyosarcome |
| SRT | | G-A22A | Length | Longueur |
| DCM | | 111035 | Lesion Density | Densité de la lésion |
| SRT | | F-01728 | Less defined | Moins bien défini |
| DCM | | 111318 | Leukemic infiltration | Infiltration leucémique |
| SRT | | T-14150 | Levatores costarum muscles | Muscles élévateurs des côtes |
| SRT | | T-42370 | Ligamentum arteriosum | Ligament artériel |
| DCM | | 112083 | Line | Ligne |
| DCM | | 112150 | Linear | Linéaire |
| SRT | | F-01771 | Linear calcification distribution | Distribution linéaire des calcifications |
| SNM3 | | M-83143 | Lipid-rich (lipid-secreting) carcinoma | Carcinome à cellules lipidiques |
| SNM3 | | M-88500 | Lipoma of the breast | Lipome |
| SNM3 | | M-88503 | Liposarcoma | Liposarcome |
| SNM3 | | F-10346 | lithotomy | Lithotomie |
| DCM | | 112158 | Lobar | Lobaire |
| SRT | | T-28770 | Lobe of lung | Lobe pulmonaire |
| SNM3 | | G-A640 | Lobular | Lobulée |
| SNM3 | | D7-F0A02 | Lobular carcinoma in situ of breast | Carcinome lobulaire in situ mammaire |
| DCM | | 112135 | Lobulated | Lobulée |
| DCM | | 112013 | Location in Chest | Localisation thoracique |
| SNM3 | | G-A185 | Long Axis | Grand axe |
| SRT | | T-14040 | Longissimus muscle | Muscle longissimus du thorax |



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| SNM3 | | G-A143 | Longitudinal | Longitudinal |
| SRT | | F-01753 | Low density (not containing fat) lesion | Faible densité (sans contenu graisseux) |
| SRT | | T-04003 | Lower inner quadrant of breast | Quadrant inféro-interne du sein |
| SNM3 | | T-04003 | Lower inner quadrant of breast, NOS | Quadrant inféro-interne du sein, SAI |
| SRT | | T-28830 | Lower lobe of lung | Lobe pulmonaire inférieur |
| SRT | | T-04005 | Lower outer quadrant of breast | Quadrant inféro-externe du sein |
| SNM3 | | T-04005 | Lower outer quadrant of breast, NOS | Quadrant inféro-externe du sein, SAI |
| SRT | | T-D320A | Lower zone of lung | Zone inférieure du poumon |
| DCM | | 112084 | Lucency | Clarté |
| SRT | | F-01766 | Lucent-centered calcification | Calcification à centre clair |
| SRT | | T-28000 | Lung | Poumon |
| DCM | | 111320 | Lympathic vessel invasion | Embole lymphatique |
| SNM3 | | T-C4000 | Lymph node | Ganglion lymphatique |
| SNM3 | | M-95903 | Lymphoma | Lymphome |
| SNM3 | | R-102D6 | Magnification | Agrandissement |
| SNM3 | | R-102D6 | Magnification views | Agrandissements |
| SRT | | G-A193 | Major Axis | Axe principal |
| DCM | | M | male | Homme |
| SNM3 | | M-88303 | Malignant fibrous histiocytoma | Histiocytofibrome malin |
| DCM | | 111334 | Malignant melanoma of nipple | Mélanome malin du mamelon |
| SNM3 | | D7-90370 | Mammary duct ectasia | Galactophorite ectasiante mammaire (ectasie canalaire mammaire) |
| SRT | | F-01791 | Mammographic breast mass | Masse du sein à la mammographie |
| DCM | | 111036 | Mammography CAD Report | Compte rendu d'analyse mammographique par système de DAO |
| SRT | | T-11211 | Manubrium of sternum | Manubrium sternal |
| SNM3 | | G-A177 | Marginal | Marginal |
| DCM | | 111037 | Margins | Contours |
| SRT | | M-03000 | Mass | Masse |
| DCM | | 112057 | Mass scoring method | Appréciation de la charge calcique par la méthode du score de masse |
| DCM | | 112180 | Maximum Attenuation Coefficient | Coefficient d'atténuation maximum |



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| DCM | | 112181 | Mean Attenuation Coefficient | Coefficient d'atténuation moyen |
| DCM | | 112051 | Measurement of Response | Quantification de la réponse |
| DCM | | 111216 | Mechanical failure | Défaillance mécanique |
| SNM3 | | G-A109 | Medial | Médial |
| SNM3 | | G-A109 | Median | Médian |
| DCM | | 112182 | Median Attenuation Coefficient | Médiane des coefficients d'atténuation |
| SRT | | T-D3300 | Mediastinum | Médiastin |
| SNM3 | | R-10224 | medio-lateral | Profil interne |
| SNM3 | | R-10226 | medio-lateral oblique | Médiolatéral oblique |
| SRT | | R-404A9 | Medium | Moyen |
| SNM3 | | M-85103 | Medullary carcinoma | Carcinome médullaire |
| SNM3 | | J-83250 | Metal (Lead) Marker | Marqueur (plombé) |
| DCM | | 111333 | Metastasis to an intramammary lymph node | Ganglion intramammaire métastatique |
| DCM | | 111323 | Metastatic cancer to the breast | Cancer métastatique au sein |
| DCM | | 111324 | Metastatic cancer to the breast from the colon | Métastase intramammaire d'un cancer colique |
| DCM | | 111325 | Metastatic cancer to the breast from the lung | Métastase intramammaire d'un cancer pulmonaire |
| DCM | | 111327 | Metastatic cancer to the breast from the ovary | Métastase intramammaire d'un cancer ovarien |
| DCM | | 111330 | Metastatic disease to axillary node | Ganglion axillaire métastatique |
| DCM | | 111326 | Metastatic melanoma to the breast | Métastase intramammaire d'un mélanome malin |
| DCM | | 111328 | Metastatic sarcoma to the breast | Métastase intramammaire d'un sarcome |
| DCM | | 111284 | Microglandular adenosis | Adénose microglandulaire |
| SRT | | F-01742 | Microlobulated lesion | Lésion microlobulée |
| UCUM | | um | micrometer | Micromètre |
| DCM | | 112122 | Micronodule | Micronodule |
| SNM3 | | G-A109 | Middle | Milieu |
| SNM3 | | G-A109 | Middle | Médian |
| SRT | | T-28825 | Middle lobe of lung | Lobe moyen du poumon |
| SRT | | T-D3209 | Middle zone of lung | Zone moyenne du poumon |
| DCM | | 112085 | Midlung window | Fenêtre lobaire moyenne |
| SRT | | R-404FA | Mild | faible |
| DCM | | 112129 | Miliary pattern | Aspect miliaire |
| SRT | | F-01765 | Milk of calcium calcification | Lait calcique |



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| UCUM | | mm | millimeter | Millimètre |
| DCM | | 112179 | Minimum Attenuation Coefficient | Coefficient d'atténuation minimum |
| SRT | | G-A194 | Minor Axis | Axe secondaire |
| UCUM | | min | minute | Minute |
| SRT | | T-35300 | Mitral Valve | Valve atrio-ventriculaire gauche |
| DCM | | 111200 | MLO Evidence of motion blur | Oblique externe : présence d'un flou cinétique |
| DCM | | 111201 | MLO Inframammary fold is not open | Oblique externe : sillon sous-mammaire non visible |
| DCM | | 111197 | MLO Insufficient pectoral muscle | Oblique externe : muscle pectoral insuffisamment visible |
| DCM | | 111198 | MLO No fat is visualized posterior to fibroglandular tissues | Oblique externe : lame graisseuse rétroglandulaire non visualisée |
| DCM | | 111199 | MLO Poor separation of deep and superficial breast tissues | Oblique externe : mauvaise séparation des tissus superficiels et profonds |
| SRT | | G-A002 | Moderate | Modéré |
| UCUM | 1.4 | mo | Month | Mois |
| SRT | | F-01729 | More defined | Mieux défini |
| DCM | | 112130 | Mosaic pattern | Aspect en mosaïque |
| DCM | | 112080 | Mosaic perfusion | Perfusion en mosaïque |
| DCM | | 111210 | Motion blur | Flou cinétique |
| DCM | | 111210 | Motion blur | Artefact de mouvement |
| LN | | 18755-9 | MR Report | Compte rendu IRM |
| SNM3 | | M-84803 | Mucinous adenocarcinoma (Colloid carcinoma) | Carcinome (mucineux) colloïde |
| SRT | | G-A443 | Multifocal | Multifocal |
| DCM | | 111329 | Multifocal intraductal carcinoma | Carcinome intracanalaire multifocal |
| DCM | | 111332 | Multifocal invasive ductal carcinoma | Carcinome canalaire infiltrant multifocal |
| DCM | | 111285 | Multiple Intraductal Papillomas | Papillomes multiples |
| SRT | | R-420AE | Muscular | Musculaire |
| SNM3 | | M-88250 | Myofibroblastoma | Myofibroblastome |
| SRT | | R-41727 | Narrow | Etroit |
| SRT | | T-11303 | Neck of rib | Col de la côte |
| SRT | | A-30360 | Needle | Aiguille |
| DCM | | 111144 | Needle localization and biopsy | Répérage métallique préopératoire et biopsie-exérèse |
| SNM3 | | D0-F035F | Neoplasm of mammary | Tumeur de la peau mammaire |



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|---|---|---|---|---|
| | | | skin | |
| SNM3 | | M-95400 | Neurofibroma | Neurofibrome |
| SNM3 | | M-95401 | Neurofibromatosis | Neurofibromatose |
| SRT | | F-01721 | New finding | Nouvel élément |
| SNM3 | | T-04100 | Nipple | Mamelon |
| DCM | | 111297 | Nipple Characteristic | Caractéristiques du mamelon |
| DCM | | 111205 | Nipple not in profile | Le mamelon n'est pas de profil |
| SNM3 | | D7-90554 | Nipple retraction | Rétraction mamelonnaire |
| DCM | | 112177 | Nipple ring | Cerclage mammelonnaire |
| DCM | | 111286 | No abnormality | Pas d'anomalie |
| DCM | | 111245 | No algorithms succeeded; without findings | Aucun algorithme n'a réussi ; sans élément découvert |
| DCM | | 111213 | No image | Pas d'image |
| SRT | | F-01723 | No significant changes in the finding | Pas de modification significative de l'élément |
| DCM | | 110009 | No subsequent Workitems | |
| SRT | | R-403A7 | Nodular | Nodulaire |
| DCM | | 112067 | Nodular pattern | Aspect nodulaire |
| SRT | | M-03010 | Nodule | Nodule |
| SNM3 | | M-95913 | Non-Hodgkin's lymphoma | Lymphome non hodgkinien |
| DCM | | 111102 | Non-lesion | Pas de lésion |
| DCM | | 112076 | Non-Lesion at Baseline | Anomalie « non lésion » à T0 |
| DCM | | 112037 | Non-lesion Modifier | Modificateur lié à une « non lésion » |
| DCM | | 112075 | Non-Target Lesion at Baseline | Lésion « non cible » à T0 |
| DCM | | 112045 | Non-Target Lesion Complete Response | Disparition des lésions « non cibles » |
| DCM | | 112046 | Non-Target Lesion Incomplete Response or Stable Disease | Réponse partielle ou maladie stable sur lésions « non cibles » |
| DCM | | 112047 | Non-Target Lesion Progressive Disease | Progression sur lésions « non cibles » |
| DCM | | 111251 | Normal axillary node | Ganglion axillaire normal |
| DCM | | 111287 | Normal breast tissue | Tissu mamaire normal |
| DCM | | 111140 | Normal interval follow-up | Intervalle normal de surveillance |
| SNM3 | | M-02000 | Normal shape | Forme normale |
| DCM | | 111244 | Not all algorithms succeeded; with findings | Certains algorithmes n'ont pas réussi ; avec élément découvert |
| DCM | | 111243 | Not all algorithms succeeded; without | Certains algorithmes n'ont pas réussi ; sans élément |



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| | | | findings | découvert |
| DCM | | 111225 | Not Attempted | Non traité |
| DCM | | 111152 | Not for Presentation: Rendering device expected not to present | Pas de présentation |
| DCM | | 111038 | Number of calcifications | Nombre de calcifications |
| DCM | | 121082 | Nurse | Infirmière |
| DCM | | 111039 | Object type | Type d'objet |
| SRT | | G-A472 | Oblique | Oblique |
| SRT | | F-01743 | Obscured lesion | Lésion masquée |
| DCM | | 111322 | Occult carcinoma presenting with axillary lymph node metastases | Carcinome occulte révélé par des métastases axillaires |
| DCM | | 113000 | Of Interest | Interressant |
| DCM | | 111290 | Oil cyst (fat necrosis cyst) | Cytostéatonécrose kystisée |
| DCM | | 111138 | Old films for comparison | Clichés antérieurs pour comparaison |
| DCM | | 112060 | Oligemia | Oligémie |
| SNM3 | | G-A103 | One-sided | Situé d'un seul côté |
| DCM | | 112001 | Opacity | Opacité<br>Note: Typically used with projection chest X-ray |
| DCM | | 112027 | Opacity Descriptor | Descripteur de l'opacité |
| DCM | | 112014 | Orientation Descriptor | Descripteur de l'orientation |
| DCM | | 111040 | Original Source | Source originelle |
| DCM | | 112053 | Osseous | Osseux |
| DCM | | 112038 | Osseous Modifier | Modificateur lié à une structure osseuse |
| SRT | | F-12100 | Ossification | Ossification |
| SNM3 | | M-91803 | Osteogenic sarcoma | Ostéosarcome |
| DCM | | 121102 | Other sex | Autre sexe |
| DCM | | 111220 | Other failure | Autre défaillance |
| DCM | | 111175 | Other Marker | Autre marqueur |
| SNM3 | | G-A112 | Outer | En dehors |
| DCM | | 111041 | Outline | Contours |
| DCM | | 111212 | Over exposed | Sur-exposé |
| DCM | | 111234 | Overall Impression / Recommendation Analysis | Analyse de l'Impression / ecommandation globale |
| SNM3 | | M-02120 | Ovoid shape (Oval) | Forme ovale (Ovale) |
| SNM3 | | A-11101 | Pacemaker | Stimulateur cardiaque |
| SNM3 | | A-10042 | Compression paddle | Palette de compression |
| SNM3 | | M-85403 | Paget's disease, | Maladie de Paget du mamelon |



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| | | | mammary (of the nipple) | |
| DCM | | 112176 | Pancreatic stent | Stent pancréatique |
| SNM3 | | M-80503 | Papillary carcinoma (invasive) | Carcinome papillaire infiltrant |
| SNM3 | | M-80502 | Papillary carcinoma in-situ | Carcinome papillaire in-situ |
| SNM3 | | M-80500 | Papilloma | Papillome |
| DCM | | 112091 | Paraspinal line | Ligne paravertébrale |
| DCM | | 112112 | Parenchymal band | Bande parenchymateuse |
| DCM | | 111223 | Partially Succeeded | Succès partiel |
| DCM | | 121055 | Path | Tracé |
| DCM | | 121211 | Path length | Longueur du tracé |
| DCM | | 111042 | Pathology | Pathologie |
| DCM | | 111043 | Patient Orientation Column | Colonne concernant l'orientation du patient |
| DCM | | 111044 | Patient Orientation Row | Ligne concernant l'orientation du patient |
| SRT | | T-D2236 | Pectoral girdle | Ceinture pectorale |
| DCM | | 111045 | Pectoral Muscle Outline | Contour du muscle pectoral |
| SRT | | T-14110 | Pectoralis major muscle | Muscle grand pectoral |
| SRT | | T-14120 | Pectoralis minor muscle | Muscle petit pectoral |
| SRT | | T-11515 | Pedicle of vertebra | Pédicule de la vertèbre |
| DCM | | 111046 | Percent Glandular Tissue | Pourcentage de tissu glandulaire |
| DCM | | 112185 | Performance of CT for Detection of Pulmonary Embolism in Adults | Le scanner dans les embolies pulmonaires de l'adulte, ACR |
| DCM | | 112186 | Performance of High-Resolution CT of the Lungs in Adults | Le scanner thoracique haute résolution de l'adulte, ACR |
| DCM | | 112035 | Performance of Pediatric and Adult Chest Radiography, ACR | Les radiographies thoraciques de l'enfant et de l'adulte, ACR |
| DCM | | 112184 | Performance of Pediatric and Adult Thoracic CT | Le scanner thoracique de l'enfant et de l'adulte, ACR |
| DCM | | 121094 | Performing | Réalisateur de l'examen |
| SRT | | T-46210 | Pericardiophrenic Artery | Artère péricardo-phrénique |
| SRT | | G-A197 | Perimeter | Périmètre |
| DCM | | 121057 | Perimeter Outline | Délimitation du périmètre |
| SNM3 | | G-A111 | Peripheral | Périphérique |
| SRT | | G-A111 | Peripheral | Périphérique |
| DCM | | 111299 | Peripheral duct papillomas | Papillomes périphériques |
| SRT | | G-A195 | Perpendicular Axis | Axe orthogonal |
| DCM | | 112123 | Phantom tumor | Image pseudo-tumorale |



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| | | | (pseudotumor) | |
| SNM3 | | M-90201 | Phyllodes tumor | Tumeur phyllode |
| SNM3 | | M-90203 | Phyllodes tumor, malignant | Sarcome phyllode (Cystosarcome phyllode malin) |
| DCM | | 121081 | Physician | Médecin |
| SRT | | A-12024 | Pin | Epingle |
| SNM3 | | M-97313 | Plasmacytoma | Plasmocytome |
| SRT | | D2-60302 | Plate-like atelectasis | Atélectasie plane |
| SNM3 | | M-89400 | Pleomorphic adenoma | Adénome pléomorphe |
| DCM | | 112081 | Pleonemia | Hypervascularisation |
| SRT | | T-29000 | Pleural structure | Plèvres |
| SRT | | D2-81180 | Pneumomediastinum | Pneumomédiastin |
| SRT | | D2-80300 | Pneumothorax | Pneumothorax |
| SRT | | R-428E7 | Poorly defined | Mal définies |
| DCM | | 112141 | Poorly demarcated | Mal délimité |
| DCM | | 112172 | Portacath | Chambre de perfusion implantable |
| DCM | | 112011 | Positioner Primary Angle | Angle de positionnement primaire |
| DCM | | 112012 | Positioner Secondary Angle | Angle de positionnement secondaire |
| DCM | | 111209 | Positioning | Positionnement |
| DCM | | 111291 | Post reduction mammoplasty | Mammoplastie après réduction |
| SNM3 | | G-A120 | Postaxial | Postaxial |
| SNM3 | | G-A106 | Posterior | Postérieur |
| SNM3 | | G-A106 | Posterior | Postérieur |
| DCM | | 112089 | Posterior junction line | Ligne médiastinale postérieure |
| SRT | | T-28220 | Posterior segment of right upper lobe | Segment postérieur du lobe supérieur droit |
| DCM | | 112092 | Posterior tracheal stripe | Bande trachéale postérieure |
| SNM3 | | G-A182 | Posterolateral | Postéro-latéral |
| SNM3 | | G-A121 | Preaxial | Pré-axial |
| DCM | | 111151 | Presentation Optional: Rendering device may present | Présentation optionnelle |
| DCM | | 111150 | Presentation Required: Rendering device is expected to present | Présentation requise |
| DCM | | 121069 | Previous Finding | Résultat antérieur |
| DCM | | 121068 | Previous Findings | Résultats antérieurs |
| DCM | | 112059 | Primary complex | Complexe primaire |
| DCM | | 110008 | Print | |
| DCM | | 121066 | Prior Procedure | Description de la procédure |



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| | | | Descriptions | précédente |
| DCM | | 111047 | Probability of cancer | Probabilité de cancer |
| DCM | | 121065 | Procedure Description | Description de la procédure |
| SNM3 | | G-A140 | Profundis | Profondeur |
| DCM | | 112151 | Profusion | Profusion |
| SNM3 | | F-10310 | prone | Procubitus |
| SRT | | A-04000 | Prosthesis | Prothèse |
| SNM3 | | G-A118 | Proximal | Proximal |
| DCM | | 111292 | Pseudoangiomatous stromal hyperplasia | Hyperplasie stromale pseudo-angiomateuse |
| DCM | | 112068 | Pseudoplaque | Pseudo-plaque |
| SRT | | T-44000 | Pulmonary artery | Artère pulmonaire |
| SRT | | D3-40230 | Pulmonary embolism | Embolie pulmonaire |
| SRT | | T-44100 | Pulmonary trunk | Tronc artériel pulmonaire |
| SRT | | T-48500 | Pulmonary vein | Veine pulmonaire |
| SRT | | F-01767 | Punctate calcification | Calcification punctiforme régulière |
| DCM | | 111048 | Quadrant location | Localisation du quadrant |
| DCM | | 111049 | Qualitative Difference | Différence qualitative |
| DCM | | 111050 | Quality Assessment | Évaluation de la qualité |
| DCM | | 110002 | Quality Control | |
| DCM | | 111051 | Quality Control Standard | Standard de contrôle de qualité |
| DCM | | 111052 | Quality Finding | Critère de qualité |
| DCM | | 113010 | Quality Issue | Problème de qualité |
| SNM3 | | M-78731 | Radial scar | Cicatrice radiaire |
| DCM | | 121084 | Radiographer | Manipulateur (rice) |
| DCM | | 112005 | Radiographic anatomy | Radio-anatomie |
| LN | | 11528-7 | Radiology Report | Compte rendu radiologique |
| SNM3 | | G-A196 | Radius | Rayon |
| DCM | | 112022 | RECIST | Critères d'évaluation de la réponse tumorale (tumeurs solides) |
| DCM | | 121075 | Recommendation | Recommandation |
| DCM | | 121074 | Recommendations | Recommandations |
| DCM | | 111053 | Recommended Follow-up | Surveillance recommandée |
| DCM | | 111054 | Recommended Follow-up Date | Date recommandée de surveillance |
| DCM | | 111055 | Recommended Follow-up Interval | Intervalle recommandé de surveillance |
| DCM | | 121097 | Recording | Qui fait le compte rendu |
| SNM3 | | F-10450 | recumbent | Couché |



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| DCM | | 111338 | Recurrent malignancy | Cancer récidivant |
| DCM | | 121095 | Referring | Médecin référent |
| SRT | | F-01773 | Regional calcification distribution | Distribution régionale des calcifications |
| DCM | | 121087 | Registrar | Secrétaire |
| DCM | | 113001 | Rejected for Quality Reasons | Rejetées pour des motifs de qualité |
| SRT | | F-0172A | Removal of implant since previous mammogram | Exérèse de la prothèse mammaire depuis la mammographie précédente |
| DCM | | 111056 | Rendering Intent | Intention d'insertion |
| DCM | | 110007 | Report Verification | |
| DCM | | 121062 | Request | Demande |
| DCM | | 121096 | Requesting | Médecin demandeur |
| DCM | | 121086 | Resident | Résident |
| DCM | | 112020 | Response Evaluation | Evaluation de la réponse |
| DCM | | 112021 | Response Evaluation Method | Méthode d'évaluation de la réponse |
| DCM | | 112113 | Reticular pattern | Aspect réticulaire |
| DCM | | 112065 | Reticulonodular pattern | Aspect réticulo-nodulaire |
| SRT | | T-11300 | Rib | Côte |
| DCM | | 112096 | Rib Scalene Tubercle | Tubercule scalénique de la première côte |
| SNM3 | | G-A100 | Right | Droit |
| SNM3 | | G-A102 | Right and left | Droit et gauche |
| SNM3 | | T-04020 | Right breast | Sein droit |
| SNM3 | | G-A100 | Right lateral | Latéral droit |
| SNM3 | | F-10317 | right lateral decubitus | Décubitus latéral droit |
| SRT | | T-26100 | Right main bronchus | Bronche principale droite |
| DCM | | 112093 | Right tracheal stripe | Bande paratrachéale droite |
| SNM3 | | R-102D3 | Rolled Lateral | Roulé externe |
| SNM3 | | R-102D4 | Rolled Medial | Roulé interne |
| SNM3 | | M-02100 | Round shape | Ronde |
| SRT | | F-01768 | Round shaped calcification | Calcification ronde |
| SNM3 | | G-A145 | Sagittal | Sagittal |
| SRT | | T-13450 | Scalenous anterior muscle | Muscle scalène antérieur |
| SRT | | T-12280 | Scapula | Scapula |
| DCM | | 112101 | Scapular Infraspinatus Fossa | Fosse sous épineuse |
| DCM | | 112099 | Scapular Spine | Epine de l'omoplate |
| DCM | | 112100 | Scapular Supraspinatus Fossa | Fosse sus épineuse |



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| SNM3 | | M-78060 | Scar tissue | Tissu cicatriciel |
| SRT | | F-01712 | Scattered fibroglandular densities | Opacités fibro-glandulaires éparses |
| SNM3 | | M-74220 | Sclerosing adenosis | Adénose sclérosante |
| DCM | | 111057 | Scope of Feature | Champ des caractéristiques |
| DCM | | 112054 | Secondary pulmonary lobule | Lobule pulmonaire secondaire |
| SNM3 | | M-85023 | Secretory (juvenile) carcinoma of the breast | Carcinome mammaire sécrétoire (juvénile) |
| SRT | | T-280D0 | Segment of lung | Segment du poumon |
| SRT | | G-A137 | Segmental | Segmentaire |
| SRT | | F-01774 | Segmental calcification distribution | Segmentaires |
| DCM | | 111099 | Selected region | Région sélectionnée |
| DCM | | 111058 | Selected Region Description | Description de la région sélectionnée |
| SNM3 | | F-10460 | semi-erect | Semi-couché |
| SNM3 | | F-10316 | semi-prone | Semi-procubitus |
| DCM | | 112114 | Septal line(s) | Ligne(s) septale(s) |
| DCM | | 112002 | Series Instance UID | Identificateur unique d'instance de série |
| SNM3 | | M-36050 | Seroma | Lymphocèle |
| SRT | | T-14140 | Serratus anterior muscle | Muscle dentelé antérieur |
| SRT | | G-A003 | Severe | Sévère |
| SRT | | G-C197 | Severity | Gravité |
| DCM | | 112124 | Shadow | Image |
| SRT | | T-11309 | Shaft of rib | Corps de la côte |
| SNM3 | | M-020F9 | Shape | Forme |
| DCM | | 112137 | Sharply defined | A limites nettes |
| DCM | | 112140 | Sharply demarcated | Très nettement délimité |
| SNM3 | | G-A186 | Short Axis | Petit axe |
| SNM3 | | M-84903 | Signet ring cell carcinoma | Carcinome à cellules en bague à chaton |
| DCM | | 112069 | Signet-ring sign | Signe de la bague à châton |
| DCM | | 112152 | Silhouette sign | Signe de la silhouette |
| DCM | | 111296 | Silicone granuloma | Granulome au silicone |
| DCM | | 111059 | Single Image Finding | Elément présent sur une seule image |
| DCM | | 112024 | Single Image Finding Modifier | Modificateur lié à une anomalie visible sur une seule image |
| DCM | | 112008 | Site involvement | Site atteint |
| SNM3 | | F-103A0 | sitting | Assis |
| DCM | | 112025 | Size Descriptor | Descripteur de la taille |



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| SNM3 | | D0-00050 | Skin lesion | Lésion cutanée |
| SRT | | F-01799 | Skin retraction of breast | Rétraction cutanée du sein |
| SRT | | F-0179A | Skin thickening of breast | Épaississement cutané du sein |
| SRT | | R-404A8 | Small | Petit |
| DCM | | 112125 | Small irregular opacities | Petites opacités irrégulières |
| DCM | | 112126 | Small rounded opacities | Micro-nodules |
| DCM | | 112144 | Soft tissue | Tissus mous |
| DCM | | 111218 | Software failure | Défaillance logicielle |
| SRT | | P5-B3402 | Spatial collocation analysis | Analyse de colocalisation spatiale |
| SRT | | P5-B3404 | Spatial proximity analysis | Analyse de proximité spatiale |
| DCM | | 112136 | Spiculated | Spiculée |
| SRT | | F-01745 | Spiculated lesion | Lésion spiculée |
| SRT | | T-14050 | Spinalis muscle | Muscles spinaux |
| SNM3 | | M-78190 | Spindle cell nodule (tumor) | Nodule (tumeur) à cellules fusiformes |
| SRT | | T-11500 | Spine | Rachis |
| SRT | | T-11512 | Spinous process of vertebra | Apophyse épineuse de la vertèbre |
| SNM3 | | R-102D7 | Spot Compression | Compression localisée |
| SNM3 | | R-102D7 | Spot compression | Compression localisée |
| DCM | | 111136 | Spot magnification view(s) | Agrandissement localisé |
| SNM3 | | M-80703 | Squamous cell carcinoma | Carcinome épidermoïde |
| DCM | | 111340 | Squamous cell carcinoma of the nipple | Carcinome épidermoïde du mamelon |
| UCUM | | cm2 | Square centimeter | Centimètre carré |
| UCUM | | um2 | Square micrometer | Micromètre carré |
| UCUM | | mm2 | Square millimeter | Millimètre carré |
| DCM | | 112183 | Standard Deviation of Attenuation Coefficient | Ecart-type des coefficients d’atténuation |
| SNM3 | | F-10320 | standing | En position verticale |
| SNM3 | | A-13600 | Staple | Agrafe |
| SRT | | T-11221 | Sternal angle | Angle sternal |
| SRT | | T-13310 | Sternocleidomastoid muscle | Muscle sterno-cleïdo-mastoïdien |
| SRT | | T-11210 | Sternum | Sternum |
| SNM3 | | F-10390 | stooped-over | Penché en avant |
| DCM | | 112094 | Stripe | Bande |
| DCM | | 111060 | Study Date | Date de l’étude |
| DCM | | 111061 | Study Time | Heure de l’étude |
| SRT | | G-A561 | Subacute | Subaigu |



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| SRT | | F-0178D | Subareolar position | Situation rétroaréolaire |
| SNM3 | | G-A172 | Subcapsular | Sous-capsulaire |
| SRT | | T-46100 | Subclavian artery | Artère subclavière |
| SRT | | T-48330 | Subclavian vein | Veine subclavière |
| SRT | | T-14166 | Subcostal muscle | Muscle subcostal |
| DCM | | 112153 | Subpleural | Sous-pleural |
| DCM | | 112115 | Subpleural line | Ligne sous-pleurale |
| DCM | | 112098 | Subscapular Fossa | Fosse subscapulaire |
| SRT | | T-13650 | Subscapularis muscle | Muscle subscapulaire |
| DCM | | 111222 | Succeeded | Succès |
| DCM | | 111062 | Successful Analyses | Analyses réussies |
| DCM | | 111063 | Successful Detections | Procédures de détection réussies |
| DCM | | 111146 | Suggestive of malignancy – take appropriate action | Évocateur de malignité, une action appropriée doit être entreprise |
| DCM | | 111065 | Summary of Analyses | Résumé des analyses |
| DCM | | 111064 | Summary of Detections | Résumé des procédures de détections |
| SNM3 | | G-A139 | Superficial | Superficiel |
| SNM3 | | G-A116 | Superior | Supérieur |
| SRT | | T-116EE | Superior articular facet of axis | Facette articulaire supérieure de l'axis |
| SRT | | T-1153E | Superior articular process of vertebra | Massif articulaire supérieur |
| SRT | | T-46350 | Superior phrenic artery | Artère phrénique supérieure |
| SRT | | T-48610 | Superior vena cava | Veine cave supérieure |
| SNM3 | | R-102D0 | superolateral to inferomedial oblique | Supérolatéral vers inféromédial oblique |
| SNM3 | | F-10340 | supine | Décubitus |
| SRT | | T-13610 | Supraspinatus muscle | Muscle supraépineux |
| SNM3 | | T-11218 | Suprasternal notch | Creux sus-sternal |
| SNM3 | | G-A168 | Surface | Surface |
| SNM3 | | A-13510 | Suture material | Matériel de suture |
| SRT | | G-A572 | Systemic | Systémique |
| SRT | | T-4000E | Systemic vascular structure | Structure vasculaire systémique |
| SNM3 | | R-102C2 | Tangential | Tangentiel |
| DCM | | 112162 | Target | « cible » |
| DCM | | 111155 | Target content items are related contra-laterally | Les items de contenu sont situés de façon controlatérale |
| DCM | | 111154 | Target content items are related spatially | Les items de contenu sont reliés spatialement |
| DCM | | 111153 | Target content items are | Les items de contenu sont |



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| | | | related temporally | reliés temporellement |
| DCM | | 112074 | Target Lesion at Baseline | Lésion « cible » à T0 |
| DCM | | 112041 | Target Lesion Complete Response | Réponse complète sur lésions « cibles » |
| DCM | | 112042 | Target Lesion Partial Response | Réponse partielle sur lésions « cibles » |
| DCM | | 112043 | Target Lesion Progressive Disease | Progression de la maladie sur lésions « cibles » |
| DCM | | 112044 | Target Lesion Stable Disease | Maladie stable sur ésions « cibles» |
| DCM | | 111194 | Technical factors missing | Paramètres techniques absents |
| DCM | | 121083 | Technologist | Technicien |
| SRT | | P5-B3406 | Temporal correlation | Corrélation temporelle |
| SRT | | T-13640 | Teres major muscle | Muscle grand rond |
| SRT | | T-13630 | Teres minor muscle | Muscle petit rond |
| DCM | | 112010 | Texture Descriptor | Descripteur de la texture |
| SRT | | T-C6510 | Thoracic Duct | Canal thoracique |
| DCM | | 112032 | Threshold Attenuation Coefficient | Valeur de coefficient d’atténuation seuil |
| SNM3 | | D3-87780 | Thrombophlebitis of breast (Mondor’s disease) | Thrombophlébite du sein (maladie de Mondor) |
| SRT | | T-C8000 | Thymus Gland | Thymus |
| SRT | | T-46130 | Thyrocervical trunk | Tronc thyro-bicervico-scapulaire |
| SRT | | T-B6000 | Thyroid | Thyroïde |
| DCM | | 112133 | Too small | Trop petit |
| SRT | | T-32423 | Trabeculae carnae | Piliers du ventricule |
| SRT | | F-01798 | Trabecular thickening of breast | Épaississement trabéculaire du sein |
| SRT | | T-25000 | Trachea | Trachée |
| SRT | | P1-26100 | Tracheotomy | Trachéotomie |
| DCM | | 112039 | Tracking Identifier | Identifiant d’anomalie |
| DCM | | 112040 | Tracking Unique Identifier | Identifiant unique d’anomalie |
| DCM | | 112116 | Tramline shadow | Image en rail |
| DCM | | 110006 | Transcription (task) | |
| DCM | | 110012 | Transcription (type of output) | |
| SNM3 | | G-A117 | Transverse | Transverse |
| SRT | | T-11513 | Transverse process of vertebra | Apophyse transverse de la vertèbre |
| SRT | | T-141A5 | Transversus thoracis | Muscle transverse du thorax |



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|---|---|---|---|---|
| SRT | | T-14171 | Trapezius muscle | Muscle trapèze |
| DCM | | 112127 | Tree-in-bud sign | Signe de l'arbre en bourgeons |
| SNM3 | | F-10348 | Trendelenburg | Trendelenburg |
| SRT | | T-35100 | Tricuspid Valve | Valve atrioventriculaire droite |
| SRT | | T-11304 | Tubercle of rib | Tubercule de la côte |
| SNM3 | | M-82113 | Tubular adenocarcinoma | Carcinome tubuleux |
| SNM3 | | M-82110 | Tubular adenoma | Adénome tubuleux |
| SRT | | F-01797 | Tubular density | Opacité tubulaire |
| DCM | | 112117 | Tubular shadow | Image tubulée |
| DCM | | 112009 | Type of Content | Type de contenu |
| SRT | | P5-B0099 | Ultrasound procedure | Procédure échographique |
| LN | | 18760-9 | Ultrasound Report | Compte rendu d'échographie |
| DCM | | 111211 | Under exposed | Sous-exposé |
| SNM3 | | G-A103 | Unilateral | Unilatéral |
| SRT | | G-A103 | Unilateral | Unilatéral |
| DCM | | 111221 | Unknown failure | Défaillance inconnue |
| DCM | | 111176 | Unspecified | Non spécifié |
| DCM | | 112187 | Unspecified method of calculation | Méthode de calcul non spécifiée |
| DCM | | 111235 | Unusable — Quality renders image unusable | Inexploitable — La qualité rend l'image inexploitable |
| SNM3 | | G-A116 | Upper | En haut |
| SRT | | T-D4001 | Upper abdomen | Abdomen supérieur |
| SRT | | T-04002 | Upper inner quadrant of breast | Quadrant supéro-interne du sein |
| SNM3 | | T-04002 | Upper inner quadrant of breast, NOS | Quadrant supéro-interne du sein, SAI |
| SRT | | T-28820 | Upper lobe of lung | Lobe supérieur du poumon |
| SRT | | T-04004 | Upper outer quadrant of breast | Quadrant supéro-externe du sein |
| SNM3 | | T-04004 | Upper outer quadrant of breast, NOS | Quadrant supéro-externe du sein, SAI |
| SRT | | D-3208 | Upper zone of lung | Zone supérieure du poumon |
| SRT | | A-11C08 | Ureteric stent | Stent urétral |
| DCM | | 111236 | Usable — Does not meet the quality control standard | Exploitable — Ne répond pas aux standards de contrôle de qualité |
| DCM | | 111237 | Usable — Meets the quality control standard | Exploitable — Répond aux standards de contrôle de qualité |
| SRT | | F-0176B | Vascular calcification | Calcification vasculaire |
| DCM | | 112077 | Vasoconstriction | Vasoconstriction |
| DCM | | 112078 | Vasodilation | Vasodilatation |
| SRT | | A-14611 | Vena cava filter | Filtre cave |



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|---|---|---|---|---|
| SNM3 | | G-A105 | Ventral | Ventral |
| SRT | | T-32400 | Ventricle | Ventricule |
| DCM | | 121098 | Verifying | Qui vérifie |
| SRT | | T-11510 | Vertebra | Vertèbre |
| SRT | | T-45700 | Vertebral artery | Artère vertébrale |
| SRT | | T-1151F | Vertebral canal | Canal vertébral |
| SRT | | T-11531 | Vertebral foramen | Foramen intervertébral |
| DCM | | 112097 | Vertebral Intervertebral Notch | Trou des apophyses transverses cervicales |
| SNM3 | | G-A144 | Vertical | Vertical |
| SRT | | G-A144 | Vertical | Vertical |
| DCM | | 111066 | Vertical Pixel Spacing | Espacement vertical des pixels |
| DCM | | 112132 | Very small | Très petit |
| DCM | | 111178 | View and Laterality Marker does not have both view and laterality | Le marquage n'indique ni l'incidence ni le côté |
| DCM | | 111183 | View and Laterality Marker is incorrect | Le marquage est incorrect |
| DCM | | 111177 | View and Laterality Marker is missing | Marquage absent |
| DCM | | 111180 | View and Laterality Marker is not near the axilla | Le marquage n'est pas près de l'aisselle |
| DCM | | 111184 | View and Laterality Marker is off image | Le marquage est en dehors du film |
| DCM | | 111182 | View and Laterality Marker is partially obscured | Le marquage est partiellement masqué |
| DCM | | 111181 | View and Laterality Marker overlaps breast tissue | Le marquage chevauche le sein |
| DCM | | 111298 | Virginal hyperplasia | Hypertrophie juvénile |
| SNM3 | | G-D705 | Volume | Volume |
| DCM | | 121216 | Volume estimated from single 2D region | Volume estimé à partir d'une seule région 2D |
| DCM | | 121217 | Volume estimated from three or more non-coplanar 2D regions | Volume estimé à partir de trois régions 2D non coplanaires ou plus |
| DCM | | 121218 | Volume estimated from two non-coplanar 2D regions | Volume estimé à partir de deux régions 2D non coplanaires |
| DCM | | 121219 | Volume of bounding three dimensional region | Volume d'une région tridimensionnelle de forme quelconque |
| DCM | | 121220 | Volume of circumscribed sphere | Volume de la sphère circonscrite |
| DCM | | 121221 | Volume of ellipsoid | Volume d'un éllipsoïde |



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|---|---|---|---|---|
| DCM | | 121222 | Volume of sphere | Volume d'une sphère |
| DCM | | 112056 | Volume scoring method | Score de calcification coronaire basé sur le volume de chaque calcification |
| UCUM | 1.4 | wk | Week | Semaine |
| SRT | | R-40771 | Well defined | Bien définie |
| DCM | | 112139 | Well demarcated | Bien délimité |
| DCM | | 112029 | WHO | OMS |
| SNM3 | | G-A220 | Width | Largeur |
| DCM | | 112026 | Width Descriptor | Descripteur de la largeur |
| SRT | | T-11227 | Xiphoid process of sternum | Appendice xiphoïde |
| UCUM | 1.4 | a | Year | Année |

Note: In the translation of (113006, DCM, "For Therapy"), therapy could be translated as « thérapeutique » as well as « traitement ». There is an issue with the word « traitement » because it is the same word used for image processing. To avoid any ambiguity we have chosen the word « thérapeutique » which is less used in common language.

The following table provides a mapping of pathology codes used in DICOM, to ADICAP (L'association pour le Développement de l'Informatique en Anatomie et Cytologie Pathologiques).

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning French Language | Equivalent ADICAP Code |
|---|---|---|---|---|
| SNM3 | | M-55160 | (Tumeur) amyloïde | 5310 |
| SNM3 | | M-83240 | Adénolipome | A0L2 |
| DCM | | 111258 | Adénome ductal | A0B2 |
| SNM3 | | M-82040 | Adénome lactant | A0M2 |
| SNM3 | | M-89400 | Adénome pléomorphe | A0R8 |
| SNM3 | | M-82110 | Adénome tubuleux | A0P1 |
| DCM | | 111250 | Adénomyoépithéliome | A0A0 |
| SNM3 | | M-74200 | Adénose | 6772 |
| DCM | | 111284 | Adénose microglandulaire | 6772 |
| SNM3 | | M-74220 | Adénose sclérosante | 6772 |
| SNM3 | | M-88610 | Angiolipome | L0P1 |
| SNM3 | | M-76100 | Angiomatose | V0C0 |
| SNM3 | | M-91203 | Angiosarcome (hémangiosarcome) | V7A0 |
| SNM3 | | M-84803 | Carcinome (mucineux) colloïde | A7N4 |
| SNM3 | | M-82003 | Carcinome adénoïde kystique (cylindrome) | A7X6 |
| SNM3 | | M-84013 | Carcinome apocrine | A7K6 |
| DCM | | 111307 | Carcinome basocellulaire du | B7A0 |



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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning French Language | Equivalent ADICAP Code |
|---|---|---|---|---|
| | | | mamelon | |
| SNM3 | | M-85003 | Carcinome canalaire infiltrant | A7A0 |
| DCM | | 111340 | Carcinome épidermoïde du mamelon | E7A0 |
| DCM | | 111341 | Carcinome intracanalaire | A5B2 |
| SNM3 | | D7-F0A02 | Carcinome lobulaire in situ mammaire | A5B0 |
| SNM3 | | M-85203 | Carcinome lobulaire infiltrant | A7B1 |
| SNM3 | | M-85023 | Carcinome mammaire sécrétoire (juvénile) | A7N7 |
| SNM3 | | M-85103 | Carcinome médullaire | A7X2 |
| SNM3 | | M-85733 | Carcinome métaplasique | A7W0 |
| SNM3 | | M-80503 | Carcinome papillaire infiltrant | A7C6 |
| SNM3 | | M-82113 | Carcinome tubuleux | A7F0 |
| SNM3 | | M-92200 | Chondrome | C0A0 |
| SNM3 | | M-92203 | Chondrosarcome | C7A0 |
| SNM3 | | M-78731 | Cicatrice radiaire | 6773 |
| SNM3 | | D7-90434 | Cytostéatonécrose mammaire | 5230 |
| SNM3 | | M-78800 | Fibomatose | F0F0 |
| SNM3 | | M-90100 | Fibroadénome | A0P2 |
| SNM3 | | M-90300 | Fibroadénome juvénile | A0P2 |
| SNM3 | | M-88103 | Fibrosarcome | F7A0 |
| SNM3 | | D7-90370 | Galactophorite ectasiante mammaire (ectasie canalaire mammaire) | 6546 |
| SNM3 | | D7-90420 | Gynécomastie | 6551 |
| SNM3 | | M-75500 | Hamartome | D0S0 |
| SNM3 | | M-91200 | Hémangiome | V0A0 |
| SNM3 | | D3-F0620 | Hémangiome sous-cutané non parenchymateux | V0A0 |
| SNM3 | | M-91220 | Hémangiome veineux | VOA8 |
| SNM3 | | M-91501 | Hémangiopéricytome | V0K0 |
| SNM3 | | M-72170 | Hyperplasie canalaire | 6712 |
| SNM3 | | M-72175 | Hyperplasie intracanalaire atypique | 6830 |
| SNM3 | | M-72105 | Hyperplasie lobulaire atypique | 6840 |
| SNM3 | | D7-90428 | Hyperplasie lobulaire mammaire | 6721 |
| DCM | | 111298 | Hypertrophie juvénile | 6080 |
| SNM3 | | D7-90452 | Infarctus mammaire | 4710 |
| SNM3 | | M-40000 | Infection | 7140 |
| SNM3 | | D7-90360 | Kyste du sein | 6544 |



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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning French Language | Equivalent ADICAP Code |
|---|---|---|---|---|
| SNM3 | | M-88900 | Léiomyome | L0A0 |
| SNM3 | | M-88903 | Léiomyosarcome | L7A0 |
| SNM3 | | M-88500 | Lipome | L0L0 |
| SNM3 | | M-95913 | Lymphome non hodgkinien | K7G0 |
| SNM3 | | M-96503 | Maladie de Hodgkin | K7A0 |
| SNM3 | | M-85403 | Maladie de Paget du mamelon | A7B7 |
| DCM | | 111259 | Mastopathie diabétique | 5010 |
| DCM | | 111334 | Mélanome malin du mamelon | M7A0 |
| SNM3 | | M-95400 | Neurofibrome | N0L0 |
| SNM3 | | M-91803 | Ostéosarcome | Q7A0 |
| SNM3 | | M-80500 | Papillome | A0P4 (unique), A0S4 (multiple) |
| SNM3 | | M-97313 | Plasmocytome | K7M0 |
| SNM3 | | M-44140 | Réaction à corps étranger | 7440 |
| SNM3 | | M-90203 | Sarcome phyllode (Cystosarcome phyllode malin) | A7P6 |
| SNM3 | | M-95800 | Tumeur à cellules granuleuses | X0H4 |
| SNM3 | | M-90201 | Tumeur phyllode | A0P6 |



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## Annex F Japanese Translations of Selected Codes used in the DCMR (Normative)

| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning English Language | Code Meaning Japanese Language |
|---|---|---|---|---|
| BI | 3.0 | II.AC.a | 0 - Need additional imaging evaluation | ０－追加撮影が必要 |
| BI | 3.0 | II.AC.b.1 | 1 – Negative | １－異常なし |
| SRT | | F-01781 | 1 o'clock position | 1時 |
| SRT | | F-0178A | 10 o'clock position | １０時 |
| SRT | | F-0178B | 11 o'clock position | １１時 |
| SRT | | F-0178C | 12 o'clock position | １２時 |
| BI | 3.0 | II.AC.b.2 | 2 – Benign Finding | ２－良性所見 |
| SRT | | F-01782 | 2 o'clock position | 2時 |
| BI | 3.0 | II.AC.b.3 | 3 – Probably Benign Finding – short interval follow-up | ３－良性―しかし悪性を否定できず所見―短い間隔での経過観察が必要 |
| SRT | | F-01783 | 3 o'clock position | 3時 |
| BI | 3.0 | II.AC.b.4 | 4 – Suspicious abnormality, biopsy should be considered | ４－悪性の疑い、生検を考慮 |
| SRT | | F-01784 | 4 o'clock position | 4時 |
| BI | 3.0 | II.AC.b.5 | 5 - Highly suggestive of malignancy, take appropriate action | ５－悪性、適切な処置が必要 |
| SRT | | F-01785 | 5 o'clock position | 5時 |
| SRT | | F-01786 | 6 o'clock position | ６時 |
| SRT | | F-01787 | 7 o'clock position | ７時 |
| SRT | | F-01788 | 8 o'clock position | ８時 |
| SRT | | F-01789 | 9 o'clock position | ９時 |
| DCM | | 111135 | Additional projections | 追加撮影（P） |
| SNM3 | | M-82003 | Adenoid cystic carcinoma | 嚢胞腺癌 |
| SNM3 | | M-83240 | Adenolipoma | 腺脂肪腫 |
| SNM3 | | M-89830 | Adenomyoepithelioma | 腺筋上皮腫 |
| SNM3 | | M-74200 | Adenosis | 腺症 |
| DCM | | 111001 | Algorithm Name | アルゴリズム 名 |
| DCM | | 111002 | Algorithm Parameters | アルゴリズム・パラメータ |
| DCM | | 111003 | Algorithm Version | アルゴリズム・バージョン（版番号） |



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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning English Language | Code Meaning Japanese Language |
|---|---|---|---|---|
| DCM | | 111242 | All algorithms succeeded; with findings | 全てのアルゴリズムが成功；所見あり |
| DCM | | 111241 | All algorithms succeeded; without findings | 全てのアルゴリズムが成功；所見なし |
| SRT | | F-01711 | Almost entirely fat | 脂肪性 |
| SRT | | F-0176C | Amorphous calcification | 淡く不明瞭な |
| SNM3 | | M-55160 | Amyloid (tumor) | アミロイド腫瘍 |
| DCM | | 111004 | Analysis Performed | 解析済みの |
| SNM3 | | M-88610 | Angiolipoma | 血管脂肪腫 |
| SNM3 | | M-76100 | Angiomatosis | 血管腫症 |
| SNM3 | | M-91203 | Angiosarcoma | 血管肉腫 |
| SNM3 | | G-A105 | Anterior | 前方の |
| DCM | | 111141 | Any decision to biopsy should be based on clinical assessment | 臨床評価に基づいた生検の適応決定（D） |
| SNM3 | | M-84013 | Apocrine adenocarcinoma | アポクリン癌 |
| SRT | | F-01795 | Architectural distortion of breast | 乳房の構築の乱れ |
| DCM | | 111215 | Artifact(s) other than grid or detector artifact | 検出器のアーチファクト以外のアーチファクト |
| DCM | | 111005 | Assessment Category | カテゴリー評価 |
| SRT | | F-01793 | Asymmetric breast tissue | 非対称性乳房組織 |
| SRT | | P5-B3412 | Asymmetric breast tissue analysis | 非対称性乳房組織解析 |
| SNM3 | | F-8A063 | Asynchronous involution of breast | 乳房の非同期性退縮 |
| SNM3 | | M-72175 | Atypical intraductal hyperplasia | 異型性乳管過形成；異型性乳管内過形成 |
| SNM3 | | M-72105 | Atypical lobular hyperplasia | 異型性小葉過形成 |
| BI | 3.0 | I.E.6 | Axillary adenopathy | 腋窩リンパ節腫大 |
| SRT | | F-0178E | Axillary tail position | 腋窩稜：乳腺の腋窩稜（C'領域） |
| DCM | | 111307 | Basal cell carcinoma of the nipple | 乳頭の基底細胞癌 |
| SNM3 | | A-32475 | BB shot (Lead Pellet) | 鉛小球；BBマーカー |
| DCM | | 111143 | Biopsy should be considered | 要生検（B） |



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|---|---|---|---|---|
| SNM3 | | T-04080 | Both breasts | 両側：両側乳房 |
| SRT | | F-01710 | Breast composition | 乳房の構成 |
| SRT | | P5-B3414 | Breast composition analysis | 乳房の構成の解析 |
| DCM | | 111100 | Breast geometry | 乳房の形状 |
| SNM3 | | D7-90428 | Breast lobular hyperplasia | 小葉過形成：乳腺小葉過形成 |
| DCM | | 111007 | Breast Outline including Pectoral Muscle Tissue | 胸筋組織を含む乳房の輪郭 |
| SNM3 | | A-32110 | Bullet | マーカー |
| DCM | | 111017 | CAD Processing and Findings Summary | CAD処理と所見の要約 |
| SRT | | F-01775 | Calcification Cluster | 石灰化の集簇 |
| DCM | | 111008 | Calcification Distribution | 石灰化の分布 |
| DCM | | 111009 | Calcification Type | 石灰化のタイプ |
| SRT | | F-01769 | Calcified skin of breast | 皮膚；乳房の皮膚 |
| DCM | | 111304 | Carcinoma in children | 小児乳癌 |
| DCM | | 111305 | Carcinoma in ectopic breast | 副乳の乳癌 |
| DCM | | 111310 | Carcinoma in pregnancy and lactation | 妊娠・授乳期乳癌 |
| SNM3 | | D7-F0902 | Carcinoma in situ of male breast | 男性乳癌 |
| DCM | | 111306 | Carcinoma with endocrine differentiation | 内分泌分化を伴う癌 |
| SNM3 | | M-85733 | Carcinoma with metaplasia | 化生を伴う癌 |
| SNM3 | | A-26800 | Catheter | カテーテル |
| DCM | | 111203 | CC Nipple not centered on image | 頭尾方向撮影<br>乳頭が画像の中央にない |
| DCM | | 111202 | CC Not all medial tissue visualized | 頭尾方向撮影<br>内側組織が十分見えていない |
| DCM | | 111204 | CC Posterior nipple line does not measure within 1 cm of MLO | 頭尾方向撮影<br>乳頭後方線が内外斜位方向の１ｃｍ以内に計測できない |
| DCM | | 111010 | Center | 中心部 |
| SRT | | F-0178F | Central portion of breast position | 中央部：乳腺の中央部 |
| DCM | | 111011 | Certainty of Feature | 特徴の確信度 |
| DCM | | 111012 | Certainty of Finding | 所見の確信度 |
| DCM | | 111013 | Certainty of Impression | インプレッションの確信度 |



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|---|---|---|---|---|
| SNM3 | | M-92200 | Chondroma | 軟骨腫 |
| SNM3 | | M-92203 | Chondrosarcoma | 軟骨肉腫 |
| SRT | | F-01741 | Circumscribed lesion | 境界明瞭平滑 |
| SNM3 | | A-12062 | Clip | クリップ |
| DCM | | 111014 | Clockface or region | 時計表示あるいは領域 |
| SRT | | F-01761 | Coarse (popcorn-like) calcification | 粗大（ポップコーン状） |
| DCM | | 111195 | Collimation too close to breast | コリメーションが乳房に近すぎる |
| SNM3 | | A-1044 | Collimator | コリメータ |
| DCM | | 111015 | Composite Feature | 乳房の構成の特徴 |
| DCM | | 111016 | Composite type | 乳房の構成のタイプ |
| DCM | | 111018 | Content Date | 記録日 |
| DCM | | 111019 | Content Time | 記録時間 |
| SNM3 | | C-B0300 | Contrast agent NOS | 造影剤 |
| SNM3 | | D7-90360 | Cyst of breast | 嚢胞：乳腺嚢胞 |
| DCM | | 111147 | Cytologic analysis | 細胞診（Y） |
| DCM | | 111193 | Date sticker is missing | 日付けステッカーがない |
| UCUM | 1.4 | d | Day | 日 |
| SRT | | F-01727 | Decrease in number of calcifications | 石灰化の数の減少 |
| SRT | | M-02530 | Decrease in size | サイズの縮小 |
| SRT | | F-01796 | Mammography breast density | 乳房画像の濃度 |
| DCM | | 111020 | Depth | 深さ（三次元表示の奥行き） |
| DCM | | 111021 | Description of Change | 変化の記載 |
| DCM | | 111022 | Detection Performed | 検出済みの |
| DCM | | 111214 | Detector artifact(s) | 検出器のアーチファクト |
| DCM | | 111259 | Diabetic fibrous mastopathy | 糖尿病性乳腺症 |
| SRT | | F-017B3 | Difference in location | 部位 |
| SRT | | F-017B7 | Difference in margin | 辺縁 |
| SRT | | F-017B5 | Difference in number of calcifications | 石灰化の数 |
| SRT | | F-017B2 | Difference in opacity | 濃度 |
| SRT | | F-017B6 | Difference in shape | 形状 |
| SRT | | F-017B1 | Difference in size | 大きさ |
| SRT | | F-017B4 | Difference in spatial | 空間的近接判定 |



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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning English Language | Code Meaning Japanese Language |
|---|---|---|---|---|
| | | | proximity | |
| SRT | | F-017B8 | Difference in symmetry | 対称性 |
| DCM | | 111023 | Differential Diagnosis/Impression | 鑑別診断/インプレッション |
| SRT | | F-01770 | Diffuse calcification distribution | びまん性／散在性 |
| DCM | | 111258 | Ductal adenoma | 乳管腺腫 |
| SNM3 | | M-72170 | Ductal hyperplasia, Usual | 乳管過形成；乳管内過形成 |
| SRT | | P5-40060 | Mammary ductogram | 乳房造影　(G) |
| SRT | | F-01762 | Dystrophic calcification | 異栄養性；異栄養性石灰化 |
| SRT | | F-01763 | Eggshell calcification | 卵殻状 |
| DCM | | 111217 | Electrical failure | 電気系の故障 |
| SRT | | F-01752 | Equal density (isodense) lesion | 等濃度 |
| SRT | | F-01714 | Extremely dense | 高濃度 |
| DCM | | 111224 | Failed | 失敗 |
| DCM | | 111024 | Failed Analyses | 解析の失敗 |
| DCM | | 111025 | Failed Detections | 検出の失敗 |
| SRT | | F-01754 | Fat containing (radiolucent) lesion | 脂肪濃度を含む（X線透亮性） |
| SNM3 | | D7-90434 | Fat necrosis of breast | 脂肪壊死：乳房の脂肪壊死 |
| DCM | | 111159 | Feature detected on images from multiple modalities | 多数の検査法で検出される特徴 |
| DCM | | 111158 | Feature detected on multiple images | 多数の画像で検出される特徴 |
| DCM | | 111157 | Feature detected on only one of the images | １画像でのみ検出される特徴 |
| DCM | | 111156 | Feature detected on the only image | 画像のみで検出される特徴 |
| SNM3 | | M-90100 | Fibroadenoma | 線維腺腫 |
| DCM | | 111263 | Fibroadenomatoid hyperplasia | 線維腺腫様過形成：腺線維筋腫様過形成 |
| SNM3 | | M-78800 | Fibromatosis | 線維腫症 |
| SNM3 | | M-88103 | Fibrosarcoma | 線維肉腫 |
| DCM | | 111072 | Finding partially removed | 部分的に消失した所見 |
| SRT | | F-0176D | Fine, linear (casting) calcification | 微細線状 |
| SRT | | F-0176E | Fine, linear, branching | 微細線状分枝状 |



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| | | | (casting) calcification | |
| DCM | | 111191 | Flash doesn't include cassette/screen/detector identification | 患者情報等欄にカセッテ／スクリーン/検出器名がない |
| DCM | | 111188 | Flash doesn't include date of examination | 患者情報等欄に検査日がない |
| DCM | | 111189 | Flash doesn't include facility name and location | 患者情報等欄に施設名と所在地がない |
| DCM | | 111192 | Flash doesn't include mammography unit identification | 患者情報等欄に乳房撮影装置名がない |
| DCM | | 111187 | Flash doesn't include patient name and additional patient id | 患者情報等欄に患者の氏名および追加情報がない |
| DCM | | 111190 | Flash doesn't include technologist identification | 患者情報等欄に技師名がない |
| DCM | | 111186 | Flash is illegible, does not fit, or is lopsided | 患者情報等欄が読みにくい、大きさがあっていない、あるいは傾いている |
| DCM | | 111185 | Flash is not near edge of film | 患者情報等欄がフィルムの端にない |
| SRT | | F-01792 | Focal asymmetric breast tissue | 局所性非対称性乳房組織 |
| SRT | | P5-B3410 | Focal asymmetric density analysis | 局所性非対称性陰影 |
| DCM | | 111142 | Follow-up at short interval (1-11 months) | 短期間での経過観察（１－１１ヶ月）（F） |
| SNM3 | | M-44140 | Foreign body (reaction) | 異物反応 |
| SNM3 | | M-83153 | Glycogen-rich carcinoma | グリコーゲンに富む癌 |
| SNM3 | | M-95800 | Granular cell tumor | 顆粒細胞腫 |
| DCM | | 111208 | Grid artifact(s) | グリッドのアーチファクト |
| SRT | | F-01772 | Grouped calcification distribution | 集簇性 |
| SNM3 | | D7-90420 | Gynecomastia | 女性化乳房 |
| SNM3 | | M-75500 | Hamartoma | 過誤腫 |
| SNM3 | | M-91200 | Hemangioma | 血管腫 |
| SNM3 | | D3-F0620 | Hemangioma of subcutaneous tissue | 非実質性皮下組織血管腫 |
| SNM3 | | M-91220 | Hemangioma – venous | 静脈性血管腫 |
| SNM3 | | M-91501 | Hemangiopericytoma | 血管周皮腫 |
| SRT | | F-0176F | Heterogeneous | 不均一なあるいは多形性の |



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| | | | calcification | |
| SRT | | F-01713 | Heterogeneously dense | 不均一高濃度 |
| SRT | | F-01751 | High density lesion | 高濃度 |
| DCM | | 111145 | Histology using core biopsy | コア針生検（H） |
| SNM3 | | M-96503 | Hodgkin's disease (lymphoma) | ホジキン病 |
| DCM | | 111026 | Horizontal Imager Pixel Spacing | 水平方向ピクセル間隔 |
| SNM3 | | A-16016 | ID Plate | IDプレート |
| DCM | | 111027 | Image Laterality | 画像の左右差 |
| DCM | | 111028 | Image Library | 画像ライブラリ |
| DCM | | 111101 | Image Quality | 画像の品質 |
| SRT | | P5-B3408 | Image quality analysis | 画像の品質解析 |
| DCM | | 111029 | Image Quality Rating | 画質のランク付 |
| DCM | | 111030 | Image Region | 画像領域 |
| DCM | | 111031 | Image View | 画像表示用符号変換系列 |
| DCM | | 111032 | Image View Modifier | 画像表示用符号系列 |
| SNM3 | | A-04010 | Implant | インプラント |
| SRT | | F-0172B | Implant revised since previous mammogram | インプラントの修正 |
| DCM | | 111033 | Impression Description | インプレッションの記載 |
| DCM | | 111196 | Inadequate compression | 圧迫不良 |
| DCM | | 111219 | Inappropriate image processing | 現像機の故障 |
| SRT | | F-01726 | Increase in number of calcifications | 石灰化の数の増加 |
| SRT | | M-02520 | Increase in size | サイズの増大 |
| SRT | | F-01744 | Indistinct lesion | 境界不明瞭 |
| SRT | | F-01776 | Individual Calcification | 個々の石灰化 |
| DCM | | 111233 | Individual Impression / Recommendation Analysis | 個々のインプレッション／推奨の解析 |
| DCM | | 111034 | Individual Impression/Recommendation | 個々のインプレッション／推奨 |
| SNM3 | | D7-90452 | Infarction of breast | 梗塞：乳腺の梗塞 |
| SNM3 | | M-40000 | Inflammation | 感染 |
| SNM3 | | M-85303 | Inflammatory carcinoma | 炎症性乳癌 |
| DCM | | 111206 | Insufficient implant | インプラントの圧排不十分 |



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| | | | displacement incorrect | |
| DCM | | 111341 | Intraductal carcinoma, high grade | 非浸潤性乳管癌：ＤＣＩＳ |
| SNM3 | | T-C4351 | Intra-mammary lymph node | 乳房内リンパ節 |
| SNM3 | | M-82013 | Invasive cribriform carcinoma | 浸潤性篩状癌 |
| SNM3 | | M-85003 | Infiltrating duct carcinoma | 浸潤性乳管癌 |
| SNM3 | | M-85203 | Invasive lobular carcinoma | 浸潤性小葉癌 |
| SNM3 | | G-A402 | Irregular | 不整形 |
| SNM3 | | A-1016B | J Wire | Jワイヤー |
| SNM3 | | M-90300 | Juvenile fibroadenoma | 若年性線維腺腫 |
| DCM | | 111277 | Juvenille papillomatosis | 若年性乳頭腫症 |
| SNM3 | | M-82040 | Lactating adenoma | 授乳性腺腫 |
| SRT | | F-01764 | Large rod-like calcification | 大きな桿状 |
| SNM3 | | T-04030 | Left breast | 左：左乳房 |
| SNM3 | | M-88900 | Leiomyoma | 平滑筋腫 |
| SNM3 | | M-88903 | Leiomyosarcoma | 平滑筋肉腫 |
| DCM | | 111035 | Lesion Density | 病変の濃度 |
| SRT | | F-01728 | Less defined | より不明瞭になってきた |
| DCM | | 111318 | Leukemic infiltration | 白血病浸潤 |
| SRT | | F-01771 | Linear calcification distribution | 線状 |
| SNM3 | | M-83143 | Lipid-rich (lipid-secreting) carcinoma | 脂肪に富む（脂質分泌）癌 |
| SNM3 | | M-88500 | Lipoma of the breast | 脂肪腫 |
| SNM3 | | G-A640 | Lobular | 分葉状 |
| SNM3 | | D7-F0A02 | Lobular carcinoma in situ of breast | 非浸潤性小葉癌：ＬＣＩＳ |
| SRT | | F-01753 | Low density (not containing fat) lesion | 低濃度（脂肪を含まない） |
| SRT | | T-04003 | Lower inner quadrant of breast | 内下部：乳房の内下部１／４（B領域） |
| SRT | | T-04005 | Lower outer quadrant of breast | 外下部：乳房の外下部１／４（D領域） |
| SRT | | F-01766 | Lucent-centered calcification | 中心透亮性 |
| SNM3 | | R-102D6 | Magnification views | 拡大撮影（M） |



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| DCM | | 111334 | Malignant melanoma of nipple | 乳頭の悪性黒色腫 |
| SNM3 | | D7-90370 | Mammary duct ectasia | 乳管拡張症 |
| SRT | | F-01791 | Mammographic breast mass | 腫瘤 |
| DCM | | 111036 | Mammography CAD Report | マンモグラフィCADのレポート |
| DCM | | 111238 | Mammography Quality Control Manual 1999, ACR | マンモグラフィ品質管理マニュアル1999, ACR |
| DCM | | 111037 | Margins | 辺縁 |
| DCM | | 111216 | Mechanical failure | 機械の故障 |
| SNM3 | | M-85103 | Medullary carcinoma | 髄様癌 |
| SNM3 | | J-83250 | Metal (Lead) Marker | 鉛マーカー |
| DCM | | 111284 | Microglandular adenosis | 微小腺管腺症 |
| SRT | | F-01742 | Microlobulated lesion | 微細分葉状 |
| SNM3 | | G-A109 | Middle | 中央の |
| SRT | | F-01765 | Milk of calcium calcification | 石灰乳 |
| DCM | | 111200 | MLO Evidence of motion blur | 内外斜位方向撮影<br>体動によるブレがある |
| DCM | | 111201 | MLO Inframammary fold is not open | 内外斜位方向撮影<br>乳房下溝が開いていない |
| DCM | | 111197 | MLO Insufficient pectoral muscle | 内外斜位方向撮影<br>胸筋の描出が不十分 |
| DCM | | 111198 | MLO No fat is visualized posterior to fibroglandular tissues | 内外斜位方向撮影<br>乳腺後隙の脂肪が見られない |
| DCM | | 111199 | MLO Poor separation of deep and superficial breast tissues | 内外斜位方向撮影<br>乳房組織の深部および表在乳腺の分離が不良である |
| UCUM | 1.4 | mo | Month | 月 |
| SRT | | F-01729 | More defined | より明瞭になってきた |
| DCM | | 111210 | Motion blur | 患者の体動 |
| SNM3 | | M-84803 | Mucinous adenocarcinoma (Colloid carcinoma) | 粘液癌 |
| DCM | | 111283 | Myofibroblastoma | 筋線維芽腫 |
| DCM | | 111144 | Needle localization and biopsy | 針留置による位置決めと生検（L） |
| SNM3 | | D0-F035F | Neoplasm of mammary | 乳房皮膚の新生物 |



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| | | | skin | |
| SNM3 | | M-95400 | Neurofibroma | 神経線維腫 |
| SRT | | F-01721 | New finding | 新しい所見 |
| SNM3 | | T-04100 | Nipple | 乳頭 |
| SNM3 | | D7-90554 | Nipple retraction | 乳頭陥凹 |
| DCM | | 111245 | No algorithms succeeded; without findings | 全てのアルゴリズムが失敗；所見なし |
| DCM | | 111213 | No image | 画像なし |
| SRT | | F-01723 | No significant changes in the finding | 所見上、著変なし |
| SNM3 | | M-95913 | Non-Hodgkin's lymphoma | 非ホジキンリンパ腫 |
| DCM | | 111102 | Non-lesion | 病変がない |
| DCM | | 111140 | Normal interval follow-up | 通常間隔での経過観察（N） |
| SNM3 | | M-02000 | Normal shape | 正常乳頭 |
| DCM | | 111244 | Not all algorithms succeeded; with findings | 全てのアルゴリズムが成功した訳ではない；所見あり |
| DCM | | 111243 | Not all algorithms succeeded; without findings | 全てのアルゴリズムが成功した訳ではない；所見なし |
| DCM | | 111225 | Not Attempted | 未施行 |
| DCM | | 111152 | Not for Presentation: Rendering device expected not to present | 提示の必要なし：表示装置提示の必要なし |
| DCM | | 111038 | Number of calcifications | 石灰化の数 |
| DCM | | 111039 | Object type | 対象のタイプ |
| SRT | | F-01743 | Obscured lesion | 評価困難 |
| DCM | | 111322 | Occult carcinoma presenting with axillary lymph node metastases | 腋窩リンパ節転移を伴う潜伏癌 |
| DCM | | 111138 | Old films for comparison | 比較のための以前のフィルム（0） |
| DCM | | 111040 | Original Source | 情報源 |
| SNM3 | | M-91803 | Osteogenic sarcoma | 骨肉腫 |
| DCM | | 111220 | Other failure | 他の故障 |
| DCM | | 111175 | Other Marker | 他のマーカー |
| DCM | | 111041 | Outline | 輪郭 |
| DCM | | 111212 | Over exposed | 露光過多 |
| DCM | | 111234 | Overall Impression / Recommendation Analysis | 全体のインプレッション／推奨の解析 |



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| | | | Analysis | |
| SNM3 | | M-02120 | Ovoid shape (Oval) | 楕円形 |
| SNM3 | | A-11101 | Pacemaker | ペースメーカー |
| SNM3 | | A-10042 | Compression paddle | 圧縮パドル |
| SNM3 | | M-85403 | Paget's disease, mammary (of the nipple) | 乳頭のパジェット病 |
| SNM3 | | M-80503 | Papillary carcinoma (invasive) | 浸潤性乳頭癌 |
| SNM3 | | M-80500 | Papilloma | 乳頭腫 |
| DCM | | 111223 | Partially Succeeded | 部分的成功 |
| DCM | | 111042 | Pathology | 病理 |
| DCM | | 111043 | Patient Orientation Column | 患者情報　行 |
| DCM | | 111044 | Patient Orientation Row | 患者情報　列 |
| DCM | | 111045 | Pectoral Muscle Outline | 胸筋輪郭 |
| DCM | | 111046 | Percent Glandular Tissue | 乳腺組織の割合（%） |
| SNM3 | | M-90201 | Phyllodes tumor | 良性葉状腫瘍 |
| SNM3 | | M-90203 | Phyllodes tumor, malignant | 悪性葉状腫瘍 |
| SNM3 | | M-97313 | Plasmacytoma | 形質細胞腫 |
| SNM3 | | M-89400 | Pleomorphic adenoma | 混合腫瘍（多形腺腫） |
| DCM | | 111209 | Positioning | ポジショニング |
| SNM3 | | G-A106 | Posterior | 後方の |
| DCM | | 111151 | Presentation Optional: Rendering device may present | 提示はオプションである：表示装置の提示は自由 |
| DCM | | 111150 | Presentation Required: Rendering device is expected to present | 提示が必要である：表示装置の提示必要 |
| DCM | | 111047 | Probability of cancer | 癌の可能性 |
| DCM | | 111292 | Pseudoangiomatous stromal hyperplasia | 偽血管腫様間質過形成 |
| SRT | | F-01767 | Punctate calcification | 点状 |
| DCM | | 111048 | Quadrant location | 位置表示（四分の一円） |
| DCM | | 111049 | Qualitative Difference | 質的相違 |
| DCM | | 111050 | Quality Assessment | 品質評価 |
| DCM | | 111051 | Quality Control Standard | 品質管理の基準 |
| DCM | | 111052 | Quality Finding | 品質に関する所見 |
| SNM3 | | M-78731 | Radial scar | 放射状硬化性病変（放射状瘢痕） |



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| DCM | | 111053 | Recommended Follow-up | 経過観察の推奨 |
| DCM | | 111054 | Recommended Follow-up Date | 推奨される経過観察日 |
| DCM | | 111055 | Recommended Follow-up Interval | 推奨される経過観察間隔 |
| | | | | |
| SRT | | F-01773 | Regional calcification distribution | 領域性 |
| SRT | | F-0172A | Removal of implant since previous mammogram | インプラントの除去 |
| DCM | | 111056 | Rendering Intent | 結果表示するかどうか |
| SNM3 | | T-04020 | Right breast | 右：右乳房 |
| SNM3 | | M-02100 | Round shape | 円形 |
| SNM3 | | M-78060 | Scar tissue | 瘢痕組織 |
| SRT | | F-01712 | Scattered fibroglandular densities | 乳腺散在 |
| SNM3 | | M-74220 | Sclerosing adenosis | 硬化性腺症 |
| DCM | | 111057 | Scope of Feature | 特徴の範囲 |
| SNM3 | | M-85023 | Secretory (juvenile) carcinoma of the breast | 分泌癌（若年性癌）：分泌性乳癌（若年性乳癌） |
| SRT | | F-01774 | Segmental calcification distribution | 区域性 |
| DCM | | 111099 | Selected region | 選択された領域 |
| DCM | | 111058 | Selected Region Description | 選択領域の記述 |
| SNM3 | | M-020F9 | Shape | 形状 |
| DCM | | 111059 | Single Image Finding | 1画像の所見 |
| SNM3 | | D0-00050 | Skin lesion | 皮膚病変 |
| SRT | | F-01799 | Skin retraction of breast | 乳房の皮膚陥凹 |
| SRT | | F-0179A | Skin thickening of breast | 乳房の皮膚肥厚 |
| DCM | | 111218 | Software failure | ソフトウエアの故障 |
| SRT | | P5-B3402 | Spatial collocation analysis | 空間的なデータ対応付け解析 |
| SRT | | P5-B3404 | Spatial proximity analysis | 空間的なデータ近接判定解析 |
| SRT | | F-01745 | Spiculated lesion | スピキュラを伴う |
| SNM3 | | R-102D7 | Spot compression | スポット圧迫撮影（S） |
| DCM | | 111136 | Spot magnification view(s) | 拡大スポット撮影（V） |



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| DCM | | 111340 | Squamous cell carcinoma of the nipple | 乳頭の扁平上皮癌 |
| SNM3 | | A-13600 | Staple | ステープル |
| DCM | | 111060 | Study Date | 検査日 |
| DCM | | 111061 | Study Time | 検査時刻 |
| SRT | | F-0178D | Subareolar position | 乳輪下 |
| DCM | | 111222 | Succeeded | 成功 |
| DCM | | 111062 | Successful Analyses | 解析の成功 |
| DCM | | 111063 | Successful Detections | 検出の成功 |
| DCM | | 111146 | Suggestive of malignancy – take appropriate action | 悪性―適切な処置が必要（T） |
| DCM | | 111065 | Summary of Analyses | 解析の要約 |
| DCM | | 111064 | Summary of Detections | 検出の要約 |
| SNM3 | | A-13510 | Suture material | 縫合；縫合材料 |
| DCM | | 111155 | Target content items are related contra-laterally | Target content itemsは対側のそれらに関連している |
| DCM | | 111154 | Target content items are related spatially | Target content itemsは空間的に関連している |
| DCM | | 111153 | Target content items are related temporally | Target content itemsは時間的に関連している |
| DCM | | 111194 | Technical factors missing | 撮影条件がない |
| SRT | | P5-B3406 | Temporal correlation | 経時的相関 |
| SRT | | F-01798 | Trabecular thickening of breast | 乳房の梁柱の肥厚 |
| SNM3 | | M-82113 | Tubular adenocarcinoma | 管状癌 |
| SNM3 | | M-82110 | Tubular adenoma | 管状腺腫 |
| SRT | | F-01797 | Tubular density | 管状影 |
| SRT | | P5-B0099 | Ultrasound procedure | 超音波検査手技（U） |
| DCM | | 111211 | Under exposed | 露光不足 |
| DCM | | 111221 | Unknown failure | 原因不詳の故障 |
| DCM | | 111176 | Unspecified | 非特定の物質 |
| DCM | | 111235 | Unusable — Quality renders image unusable | 使用不可―画像構成の品質は使用不可である |
| SRT | | T-04002 | Upper inner quadrant of breast | 内上部：乳房の内上部１／４（A領域） |
| SRT | | T-04004 | Upper outer quadrant of | 外上部：乳房の外上部１／４ |



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| Coding Scheme Designator | Coding Scheme Version | Code Value | Code Meaning English Language | Code Meaning Japanese Language |
|---|---|---|---|---|
| | | | breast | (C領域) |
| DCM | | 111236 | Usable — Does not meet the quality control standard | 使用可—品質管理の基準に達していない |
| DCM | | 111237 | Usable — Meets the quality control standard | 使用可—品質管理の基準に達している |
| SRT | | F-0176B | Vascular calcification | 血管 |
| DCM | | 111066 | Vertical Pixel Spacing | 垂直方向のピクセル間隔 |
| DCM | | 111179 | View and Laterality Marker does not have approved codes | 鉛マーカーはFDAのコードがない |
| DCM | | 111178 | View and Laterality Marker does not have both view and laterality | 鉛マーカーは撮影方向と左右の表示がない |
| DCM | | 111183 | View and Laterality Marker is incorrect | 鉛マーカーは正しい位置にない |
| DCM | | 111177 | View and Laterality Marker is missing | 鉛マーカーがみられない |
| DCM | | 111180 | View and Laterality Marker is not near the axilla | 鉛マーカーは腋窩の近くにない |
| DCM | | 111184 | View and Laterality Marker is off image | 鉛マーカーがフィルム外である |
| DCM | | 111182 | View and Laterality Marker is partially obscured | 鉛マーカーは一部覆い隠されている |
| DCM | | 111298 | Virginal hyperplasia | 若年性過形成 |
| UCUM | 1.4 | wk | Week | 週 |
| UCUM | 1.4 | a | Year | 年 |



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## Annex G English Code Meanings of Selected Codes (Normative)

| Coding Scheme Designator (0008,0102) | Coding Scheme Version | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|---|
| UCUM | | 1 | unary |
| | | | no units |
| | | | ratio |
| SNM3 | | C-10520 | Carbon dioxide, NOS |
| | | | Carbon dioxide gas |
| SNM3 | | C-21005 | Ethanol |
| | | | Ethyl alcohol |
| SNM3 | | C-81100 | Hypotensive agent, NOS |
| | | | Antihypertensive agent, NOS |
| | | | Antihypertensive drug, NOS |
| SNM3 | | C-A7400 | Thrombolytic agent, NOS |
| | | | Fibrinolytic agent, NOS |
| SNM3 | | C-A7440 | Injectable fibrinolysin |
| | | | Injectable plasmin |
| SNM3 | | C-B0300 | Contrast agent, NOS |
| | | | Radiographic contrast agent, NOS |
| SNM3 | | C-B1091 | Iodohippurate I^131^ sodium |
| | | | Iodine^131^ hippuran |
| SNM3 | | C-B1109 | Iodine^131^ polyvinylpyrrolidone |
| | | | Iodine^131^ PVP |
| SNM3 | | C-B1225 | Technetium Tc^99^ N-substituted iminodiacetate |
| | | | Tc^99^ labeled HIDA |
| SNM3 | | D3-40208 | Congenital pulmonary arteriovenous fistula |
| | | | Congenital coronary artery fistula to pulmonary artery |
| SRT | | D4-33142 | Pulmonary artery conduit |
| | | | Congenital pulmonary artery conduit |
| SRT | | D4-33512 | Pulmonary vein confluence |
| | | | Congenital pulmonary vein confluence |
| SRT | | D4-33514 | Pulmonary venous atrium |
| | | | Congenital pulmonary venous atrium |
| SRT | | D4-33516 | Systemic venous atrium |
| | | | Congenital systemic venous atrium |
| SNM3 | | R-10206 | Antero-posterior |
| | | | AP |
| SNM3 | | R-10214 | Postero-anterior |



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| | | | |
|---|---|---|---|
| | | | PA |
| SNM3 | | R-10246 | Oblique axial |
| | | | Oblique caudo-cranial |
| | | | Oblique cranio-caudal |
| | | | Oblique transaxial |
| | | | Off-axial |
| | | | Off-axial projection |
| SNM3 | | R-10224 | Medial-lateral |
| | | | Medio-lateral |
| SNM3 | | R-10230 | Lateral-medial |
| | | | Latero-medial |
| SNM3 | | R-10232 | Right lateral projection |
| | | | Left to right beam projection |
| SNM3 | | R-10236 | Left lateral projection |
| | | | Right to left beam projection |
| SNM3 | | R-10242 | caudad |
| | | | caudal projection |
| | | | cranio-caudal projection |
| SNM3 | | R-10244 | cephalad |
| | | | cranial projection |
| | | | caudo-cranial projection |
| | | | from below |
| SNM3 | | R-4087B | transforamenal |
| | | | optic foramen projection |
| SNM3 | | G-A100 | Right |
| | | | Right lateral |
| SNM3 | | G-A101 | Left |
| | | | Left lateral |
| SNM3 | | G-A102 | Bilateral |
| | | | Right and left |
| SNM3 | | G-A103 | Unilateral |
| | | | One-sided |
| SNM3 | | G-A105 | Anterior |
| | | | Ventral |
| SNM3 | | G-A106 | Posterior |
| | | | Dorsal |
| SNM3 | | G-A107 | Cephalic |
| | | | Cephalad |
| | | | Rostral |
| | | | Cranial |
| SNM3 | | G-A108 | Caudal |
| | | | Caudad |



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| | | | |
|---|---|---|---|
| SNM3 | | G-A109 | Medial |
| | | | Median |
| | | | Middle |
| SNM3 | | G-A10A | Mediolateral |
| | | | Midline |
| SNM3 | | G-A112 | External |
| | | | Outer |
| SNM3 | | G-A113 | Internal |
| | | | Inner |
| SNM3 | | G-A115 | Inferior |
| | | | Lower |
| SNM3 | | G-A116 | Superior |
| | | | Upper |
| SNM3 | | G-A138 | Coronal |
| | | | Frontal |
| SNM3 | | G-A140 | Deep |
| | | | Profundis |
| SNM3 | | R-102CD | Sagittal Projection |
| | | | Lateral Projection |
| SNM3 | | G-4022 | Contact with |
| | | | Direct contact |
| SNM3 | | G-A170 | Hilar |
| | | | Hilus |
| SNM3 | | G-A174 | Edge |
| | | | Along edge |
| SNM3 | | G-D105 | Intracutaneous route |
| | | | Intradermal route |
| SNM3 | | G-D140 | Oral route |
| | | | Peroral route |
| SNM3 | | G-D164 | Vaginal route |
| | | | Per vagina |
| SNM3 | | P1-05535 | Catheterization |
| | | | Insertion of catheter |
| SNM3 | | P1-30350 | Atherectomy, NOS |
| | | | Removal of atherosclerotic plaque from artery, NOS |
| SNM3 | | T-15460 | Wrist joint, NOS |
| | | | Joint of Wrist, NOS |
| SNM3 | | T-32000 | Endo-cardiac |
| | | | Intra-cardiac |
| SNM3 | | T-41000 | Endo-arterial |
| | | | Intra-arterial |
| SNM3 | | T-46010 | Innominate artery |



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| | | | |
|---|---|---|---|
| | | | Brachiocephalic artery |
| | | | Brachiocephalic trunk |
| SNM3 | | T-48170 | Internal jugular vein |
| | | | Vena jugularis interna |
| SNM3 | | T-48620 | Innominate vein |
| | | | Brachiocephalic vein |
| SNM3 | | T-48810 | Portal vein |
| | | | Vena portae |
| SNM3 | | T-D4450 | Omental bursa |
| | | | Lesser peritoneal sac |
| LN | | 33068-8 | Thoracic Area |
| | | | FTA |
| LN | | 33070-4 | Inner Orbital Diameter |
| | | | IOD |
| LN | | 11727-5 | Estimated Weight |
| | | | EFW |
| LN | | 11948-7 | Fetal Heart Rate |
| | | | HR |
| LN | | 11778-8 | Estimated Date of Delivery |
| | | | EDD |
| LN | | 11955-2 | Last Menstrual Period |
| | | | LMP |
| LN | | 11979-2 | Abdominal Circumference |
| | | | AC |
| LN | | 11818-2 | Anterior-Posterior Abdominal Diameter |
| | | | APAD |
| LN | | 11820-8 | Biparietal Diameter |
| | | | BPD |
| LN | | 11824-0 | BPD area corrected |
| | | | BPDa |
| LN | | 11963-6 | Femur Length |
| | | | FL |
| LN | | 11984-2 | Head Circumference |
| | | | HC |
| LN | | 11851-3 | Occipital-Frontal Diameter |
| | | | OFD |
| LN | | 11988-3 | Thoracic Circumference |
| | | | TC |
| LN | | 11862-0 | Tranverse Abdominal Diameter |
| | | | TAD |
| LN | | 11863-8 | Trans Cerebellar Diameter |
| | | | TCD |



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| | | | |
|---|---|---|---|
| LN | | 11864-6 | Transverse Thoracic Diameter |
| | | | TTD |
| LN | | 11629-3 | Outer Orbital Diameter |
| | | | OOD |
| LN | | 11863-8 | Trans Cerebellar Diameter |
| | | | TDC |
| LN | | 11726-7 | Peak Velocity |
| | | | Peak Systolic Velocity |
| SRT | | G-A188 | Mid-Longitudinal |
| | | | Mid |
| SRT | | T-45170 | Carotid Bulb |
| | | | Carotid Sinus |
| LN | | 8277-6 | Body Surface Area |
| | | | BSA |
| LN | | 29462-9 | Pulmonary-to-Systemic Shunt Flow Ratio |
| | | | Qp/Qs |
| SRT | | R-42047 | Antegrade Direction |
| | | | Antegrade Flow |
| SRT | | R-42E61 | Retrograde Direction |
| | | | Regurgitant Flow |
| LN | | 11957-8 | Crown Rump Length |
| | | | CRL |
| SRT | | P1-48501 | Breast implantation |
| | | | Implant procedure |
| SRT | | P1-48520 | Removal of breast implant |
| | | | Explantation |
| SRT | | D0-00165 | Weal |
| | | | Hives |
| SRT | | D7-90010 | Disorder of breast implant |
| | | | Breast implant problem |
| SRT | | D7-90530 | Breast lump |
| | | | Lump or thickening |
| SRT | | D7-90560 | Peau d'orange surface of breast |
| | | | Peau d'orange |
| SRT | | D7-90565 | Bloody nipple discharge |
| | | | Bloody discharge |
| SRT | | DD-66A67 | Hemorrhage postprocedure |
| | | | Abnormal bleeding |
| SRT | | DD-67700 | Infection as complication of medical care |
| | | | Infection |
| SRT | | F-01BF8 | Ultrasound scan normal |
| | | | Normal; the finding is not seen sonographically |



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| | | | |
|---|---|---|---|
| SRT | | F-01E06 | Indeterminate result |
| | | | Inconclusive |
| SRT | | F-02B9B | Nottingham Combined Grade cannot be determined |
| | | | GX - grade cannot be assessed |
| SRT | | F-8A057 | Calcification of breast |
| | | | Calcifications |
| SRT | | F-8A074 | Discoloration of skin of breast |
| | | | Redness of skin |
| SRT | | F-8A09C | Nipple problem |
| | | | Nipple abnormality |
| SRT | | F-A2632 | Persistent pain following procedure |
| | | | Unusual pain |
| SRT | | F-A5581 | Vasovagal attack |
| | | | Vasovagal reaction |
| SRT | | G-F616 | Nottingham Combined Grade I: 3-5 points |
| | | | G1 - Low combined histologic grade (favorable) |
| SRT | | G-F617 | Nottingham Combined Grade II: 6-7 points |
| | | | G2 - Intermediate combined histo grade (moderately favorable) |
| SRT | | G-F618 | Nottingham Combined Grade III: 8-9 points |
| | | | G3 - High combined histologic grade (unfavorable) |
| SRT | | M-78280 | Surgical scar |
| | | | Post-surgical scar |
| SRT | | P1-03106 | Computed tomography guided biopsy |
| | | | CT guided |
| SRT | | P1-03107 | Magnetic resonance imaging guided biopsy |
| | | | MRI guided |
| SRT | | P1-03115 | Ultrasound guided biopsy |
| | | | Ultrasound guided |
| SRT | | P1-48011 | Pre-biopsy localization of breast lesion |
| | | | Localization for surgical biopsy |
| SRT | | P1-48142 | Diagnostic aspiration of breast cyst |
| | | | Cyst aspiration |
| SRT | | P1-48145 | Fine needle aspiration of breast |
| | | | FNA - Fine needle aspiration |
| SRT | | P1-48304 | Core needle biopsy of breast |
| | | | Core biopsy |
| SRT | | P1-4830F | Breast – surgical biopsy |
| | | | Surgical biopsy |
| SRT | | P2-4A000 | Examination of breast |
| | | | Clinical breast exam |
| SRT | | P5-00032 | Diagnostic radiography, stereotactic localization |



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| | | | |
|---|---|---|---|
| | | | Stereotactic |
| SRT | | P5-40030 | Specimen radiography of breast |
| | | | Specimen imaging |
| SRT | | P5-D0042 | Radionuclide localization of tumor, limited area |
| | | | Scintimammography |
| SRT | | R-20099 | O/E – axillary lymphadenopathy |
| | | | Large axillary lymph nodes |
| SRT | | R-207D7 | O/E - Breast lump palpated |
| | | | Palpable abnormality |
| SRT | | R-40FB9 | Before procedure |
| | | | Pre- |
| SRT | | R-41DDC | High risk tumor |
| | | | High risk |
| SRT | | R-422A4 | After procedure |
| | | | Follow-up |
| SRT | | R-101BA | vessel lumen cross sectional area reduction |
| | | | lumen area stenosis |
| SRT | | R-101BB | vessel lumen diameter reduction |
| | | | lumen diameter stenosis |
| SRT | | P5-B0700 | Ultrasonic guidance procedure |
| | | | Ultrasound guided |
| SRT | | F-01711 | Almost entirely fat |
| | | | Almost entirely fat (<= 10% fibroglandular) |
| SRT | | F-01712 | Scattered fibroglandular densities |
| | | | Scattered fibroglandular tissue (11% - 50% fibroglandular) |
| SRT | | F-01713 | Heterogeneously dense |
| | | | Heterogeneously dense (51% - 75% fibroglandular) |
| SRT | | F-01714 | Extremely dense |
| | | | Extremely dense (greater than 75% fibroglandular) |
| SRT | | F-0176F | Heterogeneous calcification |
| | | | Coarse heterogeneous calcification |
| SRT | | F-01792 | Focal asymmetric breast tissue |
| | | | Focal asymmetry |
| SRT | | F-01793 | Asymmetric breast tissue |
| | | | Global asymmetry |
| SRT | | F-01797 | Tubular density |
| | | | Asymmetric tubular structure/solitary dilated duct |
| SRT | | M-85002 | Intraductal carcinoma, non-infiltrating |
| | | | DCIS |
| SRT | | P0-009B4 | Evaluation procedure |
| | | | Clinical evaluation |
| SRT | | P5-D0061 | Radioisotope scan of lymphatic system |



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| | | | |
|---|---|---|---|
| | | | Lymphoscintigraphy |
| SNM3 | | A-25612 | Embolization coil |
| | | | Gianturco coil |
| SNM3 | | T-46010 | Brachiocephalic artery |
| | | | Brachiocephalic trunk |
| | | | Innominate artery |



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## Annex H Code Meanings of LOINC Codes in DCMR

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) |
|---|---|---|
| LN | 11522-0 | Echocardiography Report |
| LN | 11525-3 | Ultrasound Obstetric and Gyn Report |
| LN | 11528-7 | Radiology Report |
| LN | 11538-6 | CT Chest Report |
| LN | 11539-4 | CT Head Report |
| LN | 11540-2 | CT Abdomen Report |
| LN | 11541-0 | MRI Head Report |
| LN | 18745-0 | Cardiac Catheterization Report |
| LN | 18747-6 | CT Report |
| LN | 18748-4 | Diagnostic Imaging Report |
| LN | 18755-9 | MRI Report |
| LN | 18756-7 | MRI Spine Report |
| LN | 18757-5 | Nuclear Medicine Report |
| LN | 18758-3 | PET Scan Report |
| LN | 18760-9 | Ultrasound Report |
| LN | 33065-4 | Ectopic Pregnancies |
| LN | 33066-2 | Estimated LMP by EDD |
| LN | 33067-0 | Conception Date |
| LN | 33068-8 | Thoracic Area |
| LN | 33069-6 | Nuchal Translucency |
| LN | 33070-4 | Inner Orbital Diameter |
| LN | 33071-2 | Spine Length |
| LN | 33072-0 | AC, ASUM 2000 |
| LN | 33073-8 | AC, Hansmann1985 |
| LN | 33074-6 | AC, Lessoway 1998 |
| LN | 33075-3 | AC, Mertz 1988 |
| LN | 33076-1 | AC, Shinozuka 1996 |
| LN | 33077-9 | A-P Abdominal Diameter, Lessoway 1998 |
| LN | 33078-7 | AxT, Shinozuka 1996 |
| LN | 33079-5 | BPD, ASUM 1989 |
| LN | 33080-3 | BPD, Lessoway 1998 |
| LN | 33081-1 | BPD, Mertz 1988 |
| LN | 33082-9 | BPD, Osaka 1989 |



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| | | |
|---|---|---|
| LN | 33083-7 | BPD, Rempen 1991 |
| LN | 33084-5 | BPD, Shinozuka 1996 |
| LN | 33085-2 | BPD, Tokyo 1986 |
| LN | 33086-0 | BPD-oi, Chitty 1997 |
| LN | 33087-8 | BPD-oo, Chitty 1997 |
| LN | 33088-6 | Clavical length,Yarkoni 1985 |
| LN | 33089-4 | CRL, ASUM 1991 |
| LN | 33090-2 | CRL, ASUM 2000 |
| LN | 33091-0 | CRL, Daya 1993 |
| LN | 33092-8 | CRL, Jeanty 1982 |
| LN | 33093-6 | CRL, Osaka 1989 |
| LN | 33094-4 | CRL, Rempen 1991 |
| LN | 33095-1 | CRL, Shinozuka 1996 |
| LN | 33096-9 | CRL, Tokyo 1986 |
| LN | 33097-7 | Fibula, Jeanty 1983 |
| LN | 33098-5 | FL, Chitty 1997 |
| LN | 33099-3 | FL, Jeanty 1982 |
| LN | 33100-9 | FL, Lessoway 1998 |
| LN | 33101-7 | FL, Osaka 1989 |
| LN | 33102-5 | FL, Shinozuka 1996 |
| LN | 33103-3 | FL, Tokyo 1986 |
| LN | 33104-1 | GS, Daya 1991 |
| LN | 33105-8 | GS, Hansmann 1979 |
| LN | 33106-6 | GS, Hansmann 1982 |
| LN | 33107-4 | GS, Nyberg 1992 |
| LN | 33108-2 | GS, Tokyo 1986 |
| LN | 33109-0 | HC, ASUM 2000 |
| LN | 33110-8 | HC measured, Chitty 1997 |
| LN | 33111-6 | HC derived, Chitty 1997 |
| LN | 33112-4 | HC, Hansmann 1985 |
| LN | 33113-2 | HC, Jeanty 1982 |
| LN | 33114-0 | HC, Lessoway 1998 |
| LN | 33115-7 | HC Merz, 1988 |
| LN | 33116-5 | Humerus Length, ASUM 2000 |
| LN | 33117-3 | Humerus Length, Osaka 1989 |
| LN | 33118-1 | Length of Vertebra, Tokyo 1986 |
| LN | 33119-9 | OFD, ASUM 2000 |
| LN | 33120-7 | OFD, Hansmann 1986 |
| LN | 33121-5 | OFD, Lessoway 1998 |
| LN | 33122-3 | IOD, Mayden 1982 |



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| | | |
|---|---|---|
| LN | 33123-1 | IOD, Trout 1994 |
| LN | 33124-9 | OOD, Mayden, 1982 |
| LN | 33125-6 | OOD, Trout 1994 |
| LN | 33126-4 | Radius, Jeanty 1983 |
| LN | 33127-2 | Spine Length, Tokyo, 1989 |
| LN | 33128-0 | TAD, Eriksen 1985 |
| LN | 33129-8 | TAD Hansmann, 1979 |
| LN | 33130-6 | TAD, Tokyo 1986? |
| LN | 33131-4 | ThC, Chitkara 1987 |
| LN | 33132-2 | TCD, Chitty 1994 |
| LN | 33133-0 | TCD, Goldstein 1987 |
| LN | 33134-8 | TCD, Hill 1990 |
| LN | 33135-5 | TCD, Nimrod 1986 |
| LN | 33136-3 | Transverse Thoracic Diameter, Hansmann 1985 |
| LN | 33137-1 | Transverse Thoracic Diameter, Lessoway 1998 |
| LN | 33138-9 | Fetal Trunk Cross-Sectional Area, Osaka 1989 |
| LN | 33139-7 | EFW by BPD, TTD, Hansmann 1986 |
| LN | 33140-5 | EFW by BPD, FTA, FL, Osaka 1990 |
| LN | 33141-3 | EFW1 by Shinozuka 1996 |
| LN | 33142-1 | EFW2 by Shinozuka 1996 |
| LN | 33143-9 | EFW3 by Shinozuka 1996 |
| LN | 33144-7 | EFW by BPD, APAD, TAD, FL, Tokyo 1987 |
| LN | 33145-4 | AC by GA, ASUM 2000 |
| LN | 33146-2 | AC by GA, Hadlock 1984 |
| LN | 33147-0 | AC (measured) by GA, Chitty 1994 |
| LN | 33148-8 | AC by GA, Merz 1988 |
| LN | 33149-6 | AC by GA, Shinozuka 1996 |
| LN | 33150-4 | AxT by GA, Shinozuka 1996 |
| LN | 33151-2 | BPD by GA, ASUM 2000 |
| LN | 33152-0 | BPD outer-outer by GA, Chitty 1994 |
| LN | 33556-2 | BPD outer-inner by GA, Chitty 1994 |
| LN | 33153-8 | BPD by GA, Jeanty 1982 |
| LN | 33154-6 | BPD by GA, Merz 1988 |
| LN | 33155-3 | BPD by GA, Rempen 1991 |
| LN | 33156-1 | BPD by GA, Shinozuka 1996 |
| LN | 33157-9 | Cephalic Index, by GA Chitty 1994 |
| LN | 33158-7 | Cephalic Index by GA, Hadlock 1981 |
| LN | 33159-5 | CRL by GA, ASUM 2000 |
| LN | 33160-3 | CRL by GA, Rempen1991 |
| LN | 33161-1 | CRL, by GA, Shinozuka 1996 |



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| | | |
|---|---|---|
| LN | 33162-9 | EFW by GA, Hadlock 1991 |
| LN | 33163-7 | EFW by GA, Hansmann 1986 |
| LN | 33164-5 | Fibula by GA, by GA Jeanty 1983 |
| LN | 33165-2 | FL by GA, ASUM 2000 |
| LN | 33166-0 | FL by GA, Hadlock 1984 |
| LN | 33167-8 | FL by GA, Chitty 1994 |
| LN | 33168-6 | FL by GA, Jeanty 1982 |
| LN | 33169-4 | FL by GA, Merz 1988 |
| LN | 33170-2 | FL by GA, Shinozuka 1996 |
| LN | 33171-0 | GS by GA, Rempen 1991 |
| LN | 33172-8 | HC by GA, ASUM 2000 |
| LN | 33173-6 | HC by GA, Hadlock 1984 |
| LN | 33174-4 | HC derived by GA, Chitty 1994 |
| LN | 33175-1 | HC by GA, Jeanty 1982 |
| LN | 33176-9 | HC by GA, Merz 1988 |
| LN | 33177-7 | Humerus Length by GA, ASUM 2000 |
| LN | 33178-5 | OFD by GA, ASUM 2000 |
| LN | 33179-3 | OFD by GA, Chitty 1994 |
| LN | 33180-1 | Radius,by GA, Jeanty 1983 |
| LN | 33181-9 | TCD by GA, Goldstein 1987 |
| LN | 33182-7 | HC/AC by GA, Campbell 1977 |
| LN | 33183-5 | FWP by GA, Hadlock 1991 |
| LN | 33184-3 | FWP by GA, Williams, 1982 |
| LN | 33185-0 | FWP by GA, Alexander, 1996 |
| LN | 33186-8 | Male Singleton BWP by GA, Arbuckle 1993 |
| LN | 33187-6 | Female Singleton BWP by GA, Arbuckle 1993 |
| LN | 33188-4 | Female Twins BWP by GA, Arbuckle 1993 |
| LN | 33189-2 | FWP by GA, Brenner 1976 |
| LN | 33190-0 | FWP by MA, Hadlock 1985 |
| LN | 33191-8 | APAD * TAD |
| LN | 33192-6 | Uterus Volume |
| LN | 33196-7 | Posterior Horn Lateral ventricular width |
| LN | 33197-5 | Anterior Horn Lateral ventricular width |
| LN | 33198-3 | BPD by GA, Hadlock 1984 |
| LN | 33199-1 | Male Twins BWP by GA, Arbuckle 1993 |
| LN | 8302-2 | Patient Height |
| LN | 29463-7 | Patient Weight |
| LN | 11996-6 | Gravida |
| LN | 11977-6 | Para |
| LN | 11612-9 | Aborta |



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| | | |
|---|---|---|
| LN | 11878-6 | Number of Fetuses |
| LN | 11886-9 | Gestational Age by ovulation date |
| LN | 18185-9 | Gestational Age |
| LN | 11888-5 | Composite Ultrasound Age |
| LN | 11885-1 | Gestational Age by LMP |
| LN | 11727-5 | Estimated Weight |
| LN | 11767-1 | EFW percentile rank |
| LN | 11948-7 | Fetal Heart Rate |
| LN | 11778-8 | Estimated Date of Delivery |
| LN | 11779-6 | EDD from LMP |
| LN | 11781-2 | EDD from average ultrasound age |
| LN | 11780-4 | EDD from ovulation date |
| LN | 11955-2 | Last Menstrual Period |
| LN | 11976-8 | Ovulation date |
| LN | 11947-9 | HC/AC |
| LN | 11871-1 | FL/AC |
| LN | 11872-9 | FL/BPD |
| LN | 11823-2 | Cephalic Index |
| LN | 11873-7 | FL/HC |
| LN | 11979-2 | Abdominal Circumference |
| LN | 11818-2 | Anterior-Posterior Abdominal Diameter |
| LN | 11819-0 | Anterior-Posterior Trunk Diameter |
| LN | 11820-8 | Biparietal Diameter |
| LN | 11824-0 | BPD area corrected |
| LN | 11860-4 | Cisterna Magna |
| LN | 11963-6 | Femur Length |
| LN | 11965-1 | Foot length |
| LN | 11984-2 | Head Circumference |
| LN | 11851-3 | Occipital-Frontal Diameter |
| LN | 11988-3 | Thoracic Circumference |
| LN | 11862-0 | Tranverse Abdominal Diameter |
| LN | 11863-8 | Trans Cerebellar Diameter |
| LN | 11864-6 | Transverse Thoracic Diameter |
| LN | 11853-9 | Left Kidney thickness |
| LN | 11834-9 | Left Kidney length |
| LN | 11825-7 | Left Kidney width |
| LN | 11855-4 | Right Kidney thickness |
| LN | 11836-4 | Right Kidney length |
| LN | 11827-3 | Right Kidney width |
| LN | 11966-9 | Humerus length |



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|---|---|---|
| LN | 11967-7 | Radius length |
| LN | 11969-3 | Ulna length |
| LN | 11968-5 | Tibia length |
| LN | 11964-4 | Fibula length |
| LN | 11962-8 | Clavicle length |
| LN | 12171-5 | Lateral Ventrical width |
| LN | 11860-4 | Cisterna Magna length |
| LN | 12146-7 | Nuchal Fold thickness |
| LN | 11629-3 | Outer Orbital Diameter |
| LN | 11863-8 | Trans Cerebellar Diameter |
| LN | 12170-7 | Width of Hemisphere |
| LN | 11624-4 | First Quadrant Diameter |
| LN | 11626-9 | Second Quadrant Diameter |
| LN | 11625-1 | Third Quadrant Diameter |
| LN | 11623-6 | Fourth Quadrant Diameter |
| LN | 11957-8 | Crown Rump Length |
| LN | 11850-5 | Gestational Sac Diameter |
| LN | 11816-6 | Yolk Sac length |
| LN | 12164-0 | Left Ovary Volume |
| LN | 11840-6 | Left Ovary Length |
| LN | 11829-9 | Left Ovary Width |
| LN | 11857-0 | Left Ovary Height |
| LN | 12165-7 | Right Ovary Volume |
| LN | 11841-4 | Right Ovary Length |
| LN | 11830-7 | Right Ovary Width |
| LN | 11858-8 | Right Ovary Height |
| LN | 11961-0 | Cervix Length |
| LN | 12145-9 | Endometrium Thickness |
| LN | 11885-1 | Gestational Age by LMP |
| LN | 11884-4 | Average Ultrasound Age |
| LN | 11889-3 | AC, Campbell 1975 |
| LN | 11892-7 | AC, Hadlock 1984 |
| LN | 11893-5 | AC, Jeanty 1984 |
| LN | 11900-8 | BPD, Doubilet 1993 |
| LN | 11902-4 | BPD, Hadlock 1984 |
| LN | 11903-2 | BPD, Hansmann 1985 |
| LN | 33538-0 | BPD, Hansmann 1986 |
| LN | 33539-8 | BPD, Jeanty 1982 |
| LN | 11905-7 | BPD, Jeanty 1984 |
| LN | 11906-5 | BPD, Kurtz 1980 |



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|---|---|---|
| LN | 11907-3 | BPD, Sabbagha 1978 |
| LN | 11901-6 | BPDa, Hadlock 1982 |
| LN | 11910-7 | CRL, Hadlock 1992 |
| LN | 11911-5 | CRL, Hansmann 1985 |
| LN | 11917-2 | CRL, Jeanty 1984 |
| LN | 11913-1 | CRL, Nelson 1981 |
| LN | 11914-9 | CRL, Robinson 1975 |
| LN | 11918-0 | Fibula, Merz 1987 |
| LN | 11920-6 | FL, Hadlock 1984 |
| LN | 11921-4 | FL, Hansmann 1985 |
| LN | 11922-2 | FL, Hohler 1982 |
| LN | 33099-3 | FL, Jeanty 1982 |
| LN | 11923-0 | FL, Jeanty 1984 |
| LN | 33100-9 | FL, Lessoway 1998 |
| LN | 11924-8 | FL, Merz 1987 |
| LN | 33101-7 | FL, Osaka 1989 |
| LN | 33102-5 | FL, Shinozuka 1996 |
| LN | 33103-3 | FL, Tokyo 1986 |
| LN | 11926-3 | Foot Length, Mercer 1987 |
| LN | 33104-1 | GS, Daya 1991 |
| LN | 33105-8 | GS, Hansmann 1979 |
| LN | 33106-6 | GS, Hansmann 1982 |
| LN | 11928-9 | GS, Hellman 1969 |
| LN | 33107-4 | GS, Nyberg 1992 |
| LN | 11929-7 | GS, Rempen 1991 |
| LN | 11932-1 | HC, Hadlock 1984 |
| LN | 11934-7 | HC, Jeanty 1984 |
| LN | 11936-2 | Humerus, Jeanty 1984 |
| LN | 11937-0 | Humerus, Merz 1987 |
| LN | 33545-5 | BD, Jeanty 1982 |
| LN | 11939-6 | Radius, Merz 1987 |
| LN | 11941-2 | Tibia, Jeanty 1984 |
| LN | 11944-6 | Ulna, Jeanty 1984 |
| LN | 11945-3 | Ulna, Merz 1987 |
| LN | 11756-4 | EFW by AC, Campbell 1975 |
| LN | 11738-2 | EFW by AC, BPD, Hadlock 1984 |
| LN | 11734-1 | EFW by AC, BPD, FL, Hadlock 1984 |
| LN | 11735-8 | EFW by AC, BPD, FL, Hadlock 1985 |
| LN | 11732-5 | EFW by AC, BPD, FL, HC, Hadlock 1985 |
| LN | 11750-7 | EFW by AC, FL, Hadlock 1984 |



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|---|---|---|
| LN | 11751-5 | EFW by AC, FL, Hadlcok 1985 |
| LN | 11746-5 | EFW by AC, FL, HC, Hadlock 1985 |
| LN | 11754-9 | EFW by AC, HC Hadlock 1984 |
| LN | 11739-0 | EFW by AC and BPD, Shepard 1982 |
| LN | 33130-6 | TAD, Tokyo 1986 |
| LN | 33131-4 | ThC, Chitkara 1987 |
| LN | 33537-2 | AC, Jeanty 1982 |
| LN | 33538-0 | BPD, Hansmann 1986 |
| LN | 33539-8 | BPD, Jeanty 1982 |
| LN | 33540-6 | CRL, Hansmann 1986 |
| LN | 33541-4 | FL, Hansmann 1986 |
| LN | 33542-2 | FL, Merz 1988 |
| LN | 33543-0 | HC, Hansmann 1986 |
| LN | 33544-8 | OFD, Hansmann 1985 |
| LN | 33545-5 | BD, Jeanty 1982 |
| LN | 33147-0 | AC (measured) by GA, Chitty 1994 |
| LN | 33546-3 | AC (derived), Chitty 1994 |
| LN | 11665-7 | Minimum Diastolic Velocity |
| LN | 11653-3 | End Diastolic Velocity |
| LN | 11692-1 | Time averaged peak velocity |
| LN | 20352-1 | Time averaged mean velocity |
| LN | 11726-7 | Peak Velocity |
| LN | 12008-9 | Pulsatility Index |
| LN | 12023-8 | Resistivity Index |
| LN | 12144-2 | Systolic to Diastolic Velocity Ratio |
| LN | 20168-1 | Acceleration time |
| LN | 20217-6 | Deceleration time |
| LN | 20167-3 | Acceleration Index |
| LN | 33867-3 | Velocity ratio |
| LN | 33868-1 | ICA/CCA velocity ratio |
| LN | 33869-9 | Renal Artery/Aorta velocity ratio |
| LN | 8302-2 | Patient height |
| LN | 8277-6 | Body Surface Area |
| LN | 17977-0 | Left Atrium Systolic Area |
| LN | 17978-8 | Mitral Valve A-Wave Peak Velocity |
| LN | 17988-7 | Right Atrium Systolic Area. |
| LN | 17985-3 | Left Atrium to Aortic Root Ratio |
| LN | 17995-2 | Thoracic Aorta Coarctation Systolic Peak Instantaneous Gradient |
| LN | 17996-0 | Aortic Valve Cusp Separation |
| LN | 17998-6 | Aortic Valve Regurgitant Diastolic Deceleration Time |



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|---|---|---|
| LN | 18006-7 | Inferior Vena Cava Diameter |
| LN | 18011-7 | Aortic Arch Diameter |
| LN | 18012-5 | Ascending Aortic Diameter |
| LN | 18013-3 | Descending Aortic Diameter |
| LN | 18015-8 | Aortic Root Diameter |
| LN | 18019-0 | Left Pulmonary Artery Diameter |
| LN | 18020-8 | Main Pulmonary Artery Diameter |
| LN | 18021-6 | Right Pulmonary Artery Diameter |
| LN | 18026-5 | Left Ventricular End Diastolic Volume |
| LN | 18030-7 | Tricuspid Valve A Wave Peak Velocity |
| LN | 18031-5 | Tricuspid Valve E Wave Peak Velocity |
| LN | 18035-6 | Mitral Regurgitation dP/dt derived from Mitral Reg. velocity |
| LN | 18037-2 | Mitral Valve E-Wave Peak Velocity |
| LN | 18038-0 | Mitral Valve E to A Ratio |
| LN | 18040-6 | Mitral Valve E-F Slope by M-Mode |
| LN | 18041-4 | Aortic Valve Ejection Time |
| LN | 18043-0 | Left Ventricular Ejection Fraction |
| LN | 18050-5 | Inferior Vena Cava % Collapse |
| LN | 18051-3 | Left Ventricular Fractional Shortening |
| LN | 18053-9 | Left Ventricle Posterior Wall % Thickening |
| LN | 18054-7 | Interventricular Septum % Thickening |
| LN | 18070-3 | Right Atrium Systolic Pressure |
| LN | 18071-1 | Left Ventricular Isovolumic Relaxation Time |
| LN | 18076-0 | Left Ventricle Systolic Major Axis |
| LN | 18077-8 | Left Ventricle Diastolic Major Axis |
| LN | 18087-7 | Left Ventricle Mass |
| LN | 18096-8 | Pulmonic valve Area by continuity |
| LN | 18118-0 | LV Wall Motion Segmental Findings |
| LN | 18139-6 | Stage |
| LN | 18148-7 | Left Ventricular End Systolic Volume |
| LN | 18152-9 | Left Ventricle Posterior Wall Diastolic Thickness |
| LN | 18153-7 | Right Ventricle Anterior Wall Diastolic Thickness |
| LN | 18154-5 | Interventricular Septum Diastolic Thickness |
| LN | 18155-2 | Interventricular Septum to Posterior Wall Thickness Ratio |
| LN | 18156-0 | Left Ventricle Posterior Wall Systolic Thickness |
| LN | 18157-8 | Right Ventricular Anterior Wall Systolic Thickness |
| LN | 18158-6 | Interventricular Septum Systolic Thickness |
| LN | 18179-2 | Wall Segment |
| LN | 20247-3 | Peak Gradient |
| LN | 11726-7 | Peak Velocity |



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|---|---|---|
| LN | 20295-2 | Time from Q wave to Pulmonic Valve Closes |
| LN | 29436-3 | Left Ventricle Internal End Diastolic Dimension |
| LN | 29438-9 | Left Ventricle Internal Systolic Dimension |
| LN | 29449-6 | Mitral Valve Regurgitant Volume by Proximal Isovelocity Surface Area Method |
| LN | 29450-4 | Pulmonary Vein Systolic Peak Velocity |
| LN | 29451-2 | Pulmonary Vein Diastolic Peak Velocity |
| LN | 29452-0 | Pulmonary Vein Systolic to Diastolic Ratio |
| LN | 29453-8 | Pulmonary Vein Atrial Contraction Reversal Peak Velocity |
| LN | 29460-3 | Thoracic Aorta Coarctation Systolic Peak Velocity |
| LN | 29462-9 | Pulmonary-to-Systemic Shunt Flow Ratio |
| LN | 29463-7 | Patient weight |
| LN | 29469-4 | Left Atrium Antero-posterior Systolic Dimension |
| LN | 29471-0 | Hepatic Vein Systolic Peak Velocity |
| LN | 29472-8 | Hepatic Vein Diastolic Peak Velocity |
| LN | 29473-6 | Hepatic Vein Systolic to Diastolic Ratio |
| LN | 29474-4 | Hepatic Vein Atrial Contraction Reversal Peak Velocity |
| LN | 29486-8 | Left Atrial Appendage Peak Velocity |
| LN | 11793-7 | Follicle Diameter |
| LN | 10160-2 | History of Medication Use |
| LN | 11450-4 | Problem List |



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## Annex I Relationship of Endoscopy Procedures to Anatomic Regions (Informative)

The table in this Annex provides examples of the common nomenclature for the type of endoscopy performed, and the code value suggested for use for anatomic region in CID 4040.

| Coding Scheme Designator (0008,0102) | Code Value (0008,0100) | Code Meaning (0008,0104) | Example of the type of endoscopy for which this region is applicable (informative) |
|---|---|---|---|
| SRT | T-D4000 | Abdomen | Laparoscopy |
| SRT | T-59490 | Anus, rectum and sigmoid colon | Rectosigmoidoscopy |
| SRT | T-60610 | Bile duct | |
| SRT | T-74000 | Bladder | Cystoscopy |
| SRT | T-DD123 | Bladder and urethra | Panendoscopy (urethrocystoscopy) |
| SRT | T-26000 | Bronchus | Bronchoscopy |
| SRT | T-83200 | Cervix | Colposcopy |
| SRT | T-D3000 | Chest | Thoracoscopy |
| SRT | T-DD163 | Esophagus, stomach and duodenum | Upper gastrointestinal endoscopy |
| SRT | T-AB200 | External auditory canal | Otoscopy |
| SRT | T-63000 | Gall bladder | Laparoscopic cholecystectomy |
| SRT | T-D7000 | Inguinal region | Endoscopic inguinal hernia repair |
| SRT | T-15001 | Joint | Arthroscopy |
| SRT | T-71000 | Kidney | Percutaneous renal endoscopy |
| SRT | T-D9200 | Knee | Arthroscopy of knee |
| SRT | T-59000 | Large intestine | Colonoscopy |
| SRT | T-24100 | Larynx | Laryngoscopy |
| SRT | T-40230 | Lumen of blood vessel | Endoluminal (intravascular) endoscopy |
| SRT | T-D3300 | Mediastinum | Mediastinoscopy |
| SRT | T-2300C | Naso pharynx | Naso pharyngoscopy |
| SRT | T-22000 | Paranasal sinus | Endoscopic sinus surgery |
| SRT | T-55002 | Pharynx | Pharyngoscopy |
| SRT | T-20101 | Pharynx and larynx | Laryngopharyngoscopy |
| SRT | T-59600 | Rectum | Proctoscopy |
| SRT | T-D2220 | Shoulder | Arthroscopy of shoulder |
| SRT | T-59470 | Sigmoid colon | Sigmoidoscopy |



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| | | | |
|---|---|---|---|
| SRT | T-11500 | Spine | Spinal endoscopy |
| SRT | T-DD006 | Trachea and bronchus | Tracheobronchoscopy |
| SRT | T-70010 | Upper urinary tract | Percutaneous or retrograde ureteric and renal endoscopy |
| SRT | T-73800 | Ureter | Percutaneous or retrograde ureteric endoscopy |
| SRT | T-88920 | Uterus and fallopian tubes | Culdoscopy |



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## Annex J SNOMED DICOM Microglossary Retired Codes (Normative)

This Annex identifies coded terms specifed in earlier versions of the Standard that were included in the SNOMED DICOM Microglossary. The Microglossary and these coded terms are retired. Some of the codes conflict with codes defined in SNOMED. Additionally, some SNOMED coded terms specified in earlier versions of the Standard have been retired and replaced by SNOMED to avoid ambiguities in concept, and are noted here as well.

Implementors of the Standard are cautioned that:

- some applications may continue to send retired codes with the meaning defined in this Annex
- the retired codes may be associated with coding scheme designator 99SDM or SNM3
- retired codes may be encountered in existing SOP Instances stored in archives
- applications receiving SOP Instances should continue to support retired codes with the meaning defined in this Annex
- some applications may not trigger expected behavior (e.g. hanging protocols, image processing) when receiving SOP Instances with the replacement codes
- DICOM applications and SOP Instances shall never use the retired codes with a meaning other than that defined in this Annex

**SNOMED DICOM Microglossary Retired Codes**

| Retired Code Value | Code Meaning | Replacement Code (SNOMED) | Notes |
|---|---|---|---|
| G-5190 | Headfirst | F-10470 | |
| G-5191 | Feet-first | F-10480 | |
| G-A11A | Mid-longitudinal | G-A188 | |
| G-A11B | Parasagittal | G-A189 | |
| G-A12A | Intraluminal | R-42142 | |
| G-A16A | Capsule | G-A171 | Replacement code has meaning “Capsular” |
| G-A16B | Lumen | T-D0048 | |
| G-A16C | Contact | G-4022 | Replacement code has meaning “Contact with” |
| G-A16D | Parenchyma | T-D0062 | |
| R-102C9 | Transthoracic | R-40885 | |
| R-102CA | Lordotic | R-40799 | |
| R-102CB | Transforamenal | R-4087B | |
| R-102CC | Transoral | G-D00B | |



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| | | | |
|---|---|---|---|
| R-102CE | Transorbital | R-40554 | |
| R-11300 | Transverse | G-A117 | |
| Y-X1770 | Cranio-caudal exaggerated laterally | R-1024A | |
| Y-X1771 | Cranio-caudal exaggerated medially | R-1024B | |
| T-D1217 | Maxilla and mandible | T-D1213 | Replacement code has meaning “Jaw Region” |
| T-D1480 | Orbit | T-D0801 | Replacement code has meaning “Orbital Region” |
| T-D6151 | Uterus and fallopian tubes | T-88920 | |
| G-0371 | % Area Reduction | R-101BA | Lumen Area Stenosis |
| G-0372 | % Diameter Reduction | R-101BB | Lumen Diameter Stenosis |
| G-C295 | Route of Administration | G-C340 | |
| G-D100 | Route of Administration | G-C340 | |



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# Annex K Relevant Patient Information Templates (Normative)

The following templates are appropriate to use as Root templates for the Relevant Patient Information Query Service Class:

- TID 9007 General Relevant Patient Information.
- TID 9000 Relevant Patient Information for Breast Imaging.
- TID 9001 Gynecological History
- TID 9002 Medication, Substance, Environmental Exposure
- TID 9003 Previous Procedure
- TID 9004 Indicated Problem
- TID 9005 Risk Factor
- TID 9006 Obstetric History
- TID 3802 Cardiovascular Patient History.



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