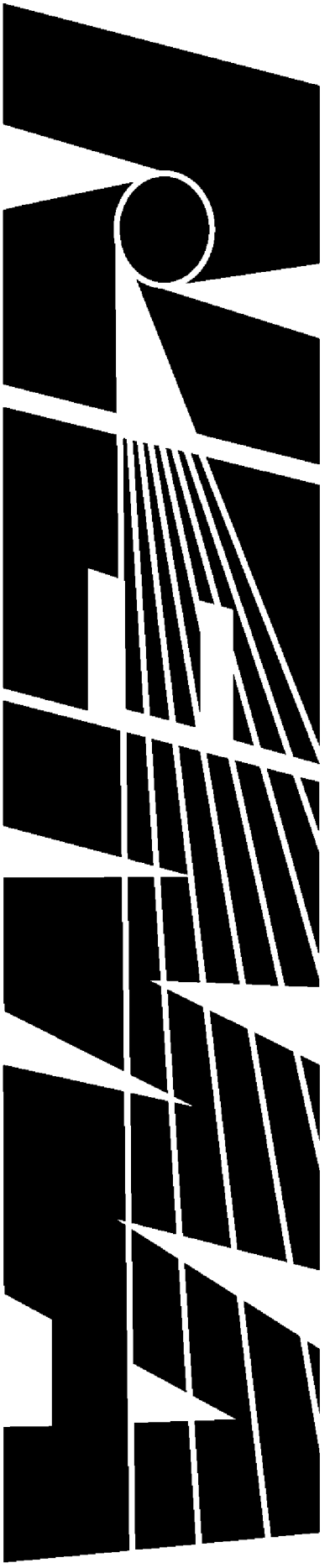
DICOM

Part 16

Content Mapping Resource



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Digital Imaging and Communications in Medicine

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Digital Imaging and Communications in Medicine (DICOM)

Part 16: Content Mapping Resource

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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: Point-to-Point Communication Support for Message Exchange

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: Print Management Point-to-Point Communication Support

PS 3.14: Grayscale Standard Display Function

PS 3.15: Security Profiles

PS 3.16: Content Mapping Resource

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

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BI-RADS™ Terminology and Nomenclature

Terminology used within the Mammography CAD SR SOP Class is a superset of BI-RADS™ Third Edition, with Addendum 3.1, a copyrighted lexicon of Mammography screening 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). The DICOM Standard does not require Mammography CAD SR SOP Class implementations to adhere to BI-RADS™.

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.

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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 used in the specification of Interpretation Data Interchange:

3.1.1 **Baseline Context Group:** Context Group that specifies the suggested Value Set for a Code Sequence Attribute.

3.1.2 **Defined Context Group:** Context Group that specifies the Value Set for a Code Sequence Attribute that shall be used, but may be extended.

3.1.3 **Enumerated Context Group:** Context Group that specifies the Value Set for a Code Sequence Attribute that shall be used and shall not be extended.

3.1.4 **Code Sequence Attribute:** Attribute that (usually) includes the string "Code Sequence" in the Attribute Name and has a VR of SQ (Sequence of Items). Its purpose is to encode concepts using code values and optional text meanings from coding schemes. Sections 8.1 through 8.8 specify the Attributes of which the Sequence Items (Attribute Sets) of Code Sequence Attributes are constructed.

3.1.5 **Context Group:** Attribute Value Set defined by a Mapping Resource.

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 coded entry items, such as Acquisition Context or Waveform Channel Description. 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.

3.1.14 **Baseline Template:** A template suggested in an IOD which may be used in the creation of a SOP Instance, replaced by another template or extended.

3.1.15 **Defined Template:** A template defined in an IOD that specifies an extensible set of Content Items and corresponding Value Sets. A SOP Instance may optionally include additional Content Items beyond those specified in the template.

3.1.16 **Enumerated Template:** A template defined in an IOD that specifies the exact set of Content Items and corresponding Value Sets that shall be used and which shall not be extended. A SOP Instance shall be created according to the exact Template specification and shall not include additional Content Items.

3.1.17 **Coding schemes:** Dictionaries (lexicons) of terms with well defined meanings.

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Note: Examples of coding schemes include SNOMED and LOINC.

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

ACR	American College of Radiology
CAP	College of American Pathologists
DCMR	DICOM Content Mapping Resource
NEMA	National Electrical Manufacturers Association
SNOMED	Systematized Nomenclature of Medicine
UCUM	Unified Code for Units of Measure

EV	Enumerated Value
DT	Defined Term
CNAME	Context Group Name
TNAME	Template Name
BCID	Baseline Context Group ID
DCID	Defined Context Group ID
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.

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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 SR Documents or Acquisition Context. Annex A of this Part defines 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 specifes exactly one Template, corresponding to a type of SR Document or a pattern of content within an SR Document or Acquisition Context Module.

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.

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

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

Acquisition Context and Waveform Channel Definition Templates are described using tables of the following form:

TID #
Template Name

	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1						

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	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
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 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”).

References to Context Groups take the following form:

BCID, DCID or ECID (CID) CNAME

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

References to Templates take the following form:

BTID, DTID or ETID (TID) TNAME

e.g. Enumerated Template 1000 is represented as follows: ETID (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).

Acquisition context templates have no Nesting Level field.

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Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111142	Follow-up at short interval (1-11 months)	短期間での経過観察（１－１１ヶ月）（F）
DCM		111265	Foreign body (reaction)	異物反応
DCM		111269	Galactocele	
SNM3		M-90160	Giant fibroadenoma	
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	1.1	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
DCM		111271	Hemangioma – nonparenchymal, subcutaneous	非実質性皮下血管腫
SNM3		M-91220	Hemangioma – venous	静脈性血管腫
SNM3		M-91501	Hemangiopericytoma	血管周皮腫
SNM3		M-35060	Hematoma	
SRT	1.1	F-0176F	Heterogeneous calcification	不均一なあるいは多形性の
SRT	1.1	F-01713	Heterogeneously dense	不均一高濃度
SRT	1.1	F-01751	High density lesion	高濃度
DCM		111149	Highly suggestive of malignancy – take appropriate action	
DCM		111145	Histology using core biopsy	コア針生検（H）
SNM3		DC-F1000	Hodgkin’s disease (lymphoma)	ホジキン病
DCM		111026	Horizontal Imager Pixel Spacing	イメージャの水平方向ピクセル間隔
DCM		111273	Hyperplasia, usual	
DCM		111174	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	1.1	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

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Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SNM3		A-04010	Implant	インプラント
SRT	1.1	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	1.1	F-01726	Increase in number of calcifications	石灰化の数の増加
SRT	1.1	M-02520	Increase in size	サイズの増大
SRT	1.1	F-01744	Indistinct lesion	境界不明瞭
DCM		111104	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		111240	Institutionally defined quality control standard	
DCM		111206	Insufficient implant displacement incorrect	インプラントの圧排不十分
DCM		111315	Intracystic papillary carcinoma	
DCM		111257	Intracystic papilloma	
DCM		111314	Intraductal carcinoma micro-papillary	
DCM		111341	Intraductal carcinoma, high grade	非浸潤性乳管癌：ＤＣＩＳ
DCM		111313	Intraductal carcinoma, low grade	
DCM		111312	Intraductal comedocarcinoma with necrosis	
SNM3		M-85030	Intraductal papilloma	
BI	3.0	I.D.2	Intra-mammary lymph node	乳房内リンパ節
DCM		111316	Invasive and in-situ carcinoma	
DCM		111342	Invasive cribriform carcinoma	浸潤性篩状癌
SNM3		M-85003	Infiltrating duct carcinoma	浸潤性乳管癌

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Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111317	Invasive lobular carcinoma	浸潤性小葉癌
SNM3	3.4	G-A402	Irregular	不整形
DCM		111170	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
DCM		111278	Lactating adenoma	授乳性腺腫
DCM		111279	Lactational change	
DCM		111281	Large duct papilloma	
SRT	1.1	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	1.1	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	1.1	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		M-88503	Liposarcoma	
SNM3	3.4	G-A640	Lobular	分葉状
SNM3		D7-F0A02	Lobular carcinoma in situ of breast	非浸潤性小葉癌：ＬＣＩＳ
SRT	1.1	F-01753	Low density (not containing fat) lesion	低濃度（脂肪を含まない）
SRT	1.0	T-04003	Lower inner quadrant of breast	内下部：乳房の内下部１／４（B領域）
SRT	1.0	T-04005	Lower outer quadrant of breast	外下部：乳房の外下部１／４（D領域）
SRT	1.1	F-01766	Lucent-centered calcification	中心透亮性
DCM		111320	Lympathic vessel invasion	
SNM3		T-C4000	Lymph node	
DCM		111321	Lymphoma	
SNM3		R-102D6	Magnification views	拡大撮影（M）
DCM		111331	Malignant fibrous histiocytoma	
DCM		111334	Malignant melanoma of nipple	乳頭の悪性黒色腫

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Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
SNM3		D7-90370	Mammary duct ectasia	乳管拡張症
SRT	1.1	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		111333	Metastasis to an intramammary lymph node	
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		111327	Metastatic cancer to the breast from the ovary	
DCM		111330	Metastatic disease to axillary node	
DCM		111326	Metastatic melanoma to the breast	
DCM		111328	Metastatic sarcoma to the breast	
DCM		111284	Microglandular adenosis	微小腺管腺症
SRT	1.1	F-01742	Microlobulated lesion	微細分葉状
SNM3		G-A109	Middle	中央の
SRT	1.1	F-01765	Milk of calcium calcification	石灰乳
DCM		111200	MLO Evidence of motion blur	内外斜位方向撮影　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　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　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　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　乳房組織の深部および表在乳腺の分離が不良である

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UCUM	1.4	mo	Month	月
SRT	1.1	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		111329	Multifocal intraductal carcinoma	
DCM		111332	Multifocal invasive ductal carcinoma	
DCM		111285	Multiple Intraductal Papillomas	
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）
DCM		111335	Neoplasm of mammary skin	乳房皮膚の新生物
SNM3		M-95400	Neurofibroma	神経線維腫
DCM		111288	Neurofibromatosis	
SRT	1.1	F-01721	New finding	新しい所見
SNM3		T-04100	Nipple	乳頭
DCM		111297	Nipple Characteristic	
DCM		111205	Nipple not in profile	
SNM3		D7-90554	Nipple retraction	乳頭陥凹
DCM		111286	No abnormality	
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	1.1	F-01723	No significant changes in the finding	所見上、著変なし
SNM3		DC-F0002	Non-Hodgkin’s lymphoma	非ホジキンリンパ腫
DCM		111102	Non-lesion	病変がない
DCM		111251	Normal axillary node	
DCM		111287	Normal breast tissue	
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

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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	1.1	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		111290	Oil cyst (fat necrosis cyst)	
DCM		111138	Old films for comparison	比較のための以前のフィルム（O）
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
SNM3	3.4	M-02120	Ovoid shape (Oval)	楕円形
DCM		111171	Pacemaker	ペースメーカー
DCM		111172	Paddle	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
DCM		111336	Papillary carcinoma in-situ	
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（%）
DCM		111299	Peripheral duct papillomas	
SNM3		M-90201	Phyllodes tumor	良性葉状腫瘍

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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
DCM		111291	Post reduction mammoplasty	
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	1.1	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
DCM		111293	Radial scar	放射状硬化性病変（放射状瘢痕）
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
DCM		111338	Recurrent malignancy	
SRT	1.1	F-01773	Regional calcification distribution	領域性
SRT	1.1	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	3.4	M-02100	Round shape	円形
SRT	1.1	F-01768	Round shaped calcification	
DCM		111168	Scar tissue	瘢痕組織
SRT	1.1	F-01712	Scattered fibroglandular densities	乳腺散在

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Coding Scheme Designator	Coding Scheme Version	Code Value	Code Meaning English Language	Code Meaning Japanese Language
DCM		111294	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	1.1	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-36050	Seroma	
SNM3		M-020F9	Shape	形状
SNM3		M-84903	Signet ring cell carcinoma	
DCM		111296	Silicone granuloma	
DCM		111059	Single Image Finding	1画像の所見
BI	3.0	I.E.5	Skin lesion	皮膚病変
BI	3.0	I.E.1	Skin retraction	皮膚陥凹
BI	3.0	I.E.3	Skin thickening	皮膚肥厚
DCM		111218	Software failure	ソフトウエアの故障
SRT	1.1	P5-B3402	Spatial collocation analysis	空間的なデータ対応付け解析
SRT	1.1	P5-B3404	Spatial proximity analysis	空間的なデータ近接判定解析
SRT	1.1	F-01745	Spiculated lesion	スピキュラを伴う
SNM3		M-78190	Spindle cell nodule (tumor)	
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）
SNM3		M-80703	Squamous cell carcinoma	
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	1.1	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）

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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	1.1	P5-B3406	Temporal correlation	経時的相関
SNM3		D3-87780	Thrombophlebitis of breast (Mondor's disease)	
DCM		111239	Title 21 CFR Section 900, Subpart B	
BI	3.0	I.E.4	Trabecular thickening	梁柱の肥厚
SNM3		M-82113	Tubular adenocarcinoma	管状癌
SNM3		M-82110	Tubular adenoma	管状腺腫
BI	3.0	I.D.1	Tubular density	管状影
DCM		111137	Ultrasound	超音波検査（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	1.0	T-04002	Upper inner quadrant of breast	内上部：乳房の内上部１／４（A領域）
SRT	1.0	T-04004	Upper outer quadrant of breast	外上部：乳房の外上部１／４（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	1.1	F-0176B	Vascular calcification	血管
DCM		111066	Vertical Imager Pixel Spacing	イメージャ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

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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		111181	View and Laterality Marker overlaps breast tissue	
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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