

## DICOM Correction Item

Correction Number CP-664	
Log Summary: Clarification of Partial View Attributes, Views and View Modifiers	
Type of Modification Clarification	Name of Standard PS 3.3 2006
<p>Rationale for Correction:</p> <p>Clarifications requested as a result of IHE Mammography subcommittee discussions.</p> <p>Prior CPs have added Partial View (0028,1350), Partial View Description (0028,1351) and Partial View Code Sequence (0028,1352). The Partial View classification (the image is one of a set of images captured in order to encompass all the breast tissue) does not apply to a mammography image that is produced with geometric magnification or spot compression.</p> <p>Context groups View for Mammography (CID 4014) and View Modifier for Mammography (CID 4015) reference BI-RADS® where they should reference MQCM 1999. The MQCM 1999 information is included in BI-RADS® as a reference. The context group View Modifier for Mammography (CID 4015) specifies that the Cleavage view modifier applies only to CC views, but clinically we now find it is also used with FB views. Additionally, View Modifier MQCM1999 equivalents are used clinically as suffixes or prefixes to View MQCM 1999 equivalents, or in place of View MQCM 1999 equivalents. This CP clarifies the use of those MQCM 1999 equivalents in View labeling.</p>	
Sections of documents affected PS 3.3 Annex C, PS 3.16 Annex B	
Correction Wording: See below.	

**Modify PS 3.3, C.8.11.7 Mammography Image Module**

**C.8.11.7 Mammography Image Module**

Table C.8-74 contains IOD Attributes that describe a Digital Mammography X-Ray Image including its acquisition and positioning.

**Table C.8-74  
 MAMMOGRAPHY IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...			
Partial View	(0028,1350)	3	Indicates whether this image is a partial view, that is a subset of a single view of the breast.  Enumerated Values: YES, NO  If this Attribute is absent, then the image may or may not be a partial view. Note: This may occur when a breast is larger than the active area of the detector.  <u><b>If this Attribute is present, its value shall be NO if there is a View Modifier Code Sequence (0054,0222) Item of value (R-102D6, SNM3, "Magnification") or (R-102D7, SNM3, "Spot Compression").</b></u>
Partial View Description	(0028,1351)	3	Free text description of the portion of the breast captured in a partial view image.  <u><b>This Attribute shall not be present if there is a View Modifier Code Sequence (0054,0222) Item of value (R-102D6, SNM3, "Magnification") or (R-102D7, SNM3, "Spot Compression").</b></u>
Partial View Code Sequence	(0028,1352)	3	Sequence that describes the portion or section of the breast captured in a partial view image. One or two Items may be present. See C.8.11.7.1.3.  If this Attribute is absent, then the image may or may not be a partial view.  <u><b>This Attribute shall not be present if there is a View Modifier Code Sequence (0054,0222) Item of value (R-102D6, SNM3, "Magnification") or (R-102D7, SNM3, "Spot Compression").</b></u>
>Include 'Code Sequence Macro' (Table 8.8-1).			Defined Context ID is 4005.
Include 'General Anatomy Mandatory Macro' Table 10-5			Defined Context ID for the Anatomic Region Sequence is 4013.
View Code Sequence	(0054,0220)	1	Sequence that describes the projection of the anatomic region of interest on the image receptor.  Only a single Item shall be permitted in this Sequence.

>Include 'Code Sequence Macro' Table 8.8-1.		Enumerated Value for Context ID is 4014.	
>View Modifier Code Sequence	(0054,0222)	2	View modifier. Zero or more Items may be included in this Sequence.
>>Include 'Code Sequence Macro' Table 8.8-1.		Enumerated Value for Context ID is 4015.	

**Modify PS 3.16, Annex B**

**CID 4014 View for Mammography**

**Context ID 4014  
 View for Mammography**

**Type: Non-Extensible Version: 20040322**

<b>Coding Scheme Designator (0008,0102)</b>	<b>Code Value (0008,0100)</b>	<b>Code Meaning (0008,0104)</b>	<b>ACR BI-RADS MQCM 1999 Equivalent</b>
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**

**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.

<b>Coding Scheme Designator (0008,0102)</b>	<b>Code Value (0008,0100)</b>	<b>Code Meaning (0008,0104)</b>	<b>Applies only when View ACR MQCM 1999 Equivalent (CID 4014) view is:</b>	<b>ACR BI-RADSMQCM 1999 Equivalent</b>
SNM3	R-102D2	Cleavage	<u>CC_or FB</u>	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	<u>...ID</u>
SNM3	R-102D6	Magnification	any	M...
SNM3	R-102D7	Spot Compression	any	<u>S...</u>
SNM3	R-102C2	Tangential	any	TAN