

DICOM Correction Item

Correction Number	CP-1081
Log Summary:	Distance Source to Detector in NM TOMO modes
Type of Modification	Name of Standard
Modification	PS 3.3-2009
Rationale for Correction:	
<p>Distance Source to Detector (0018,1110) is present in the Detector Information Sequence of the NM Detector Module, and in the Rotation Information Sequence of the NM TOMO Acquisition Module. The latter is used when the Image Type Value 3 is equal to TOMO, GATED TOMO, RECON TOMO, or RECON GATED TOMO. However, the attribute condition in the Detector Information Sequence only mentions TOMO, rather than all the different TOMO modes.</p>	
Sections of documents affected	
PS 3.3 Annex C.8.4.11	
Correction Wording:	

**Table C.8-11
 NM DETECTOR MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
Detector Information Sequence	(0054,0022)	2	<p>Sequence of Items that describe the detectors used. Zero or more Items may be included in this sequence.</p> <p>The number of items shall be equal to Number of Detectors (0054,0021). The first item corresponds to frames with value of 1 in the Detector Vector (0054,0020), the second item with value 2, etc.</p>
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>Distance Source to Detector	(0018,1110)	2C	<p>Distance in mm from transmission source to the detector face. Required if Image Type (0008,0008) Value 4 is TRANSMISSION and Value 3 is not any of:</p> <p style="margin-left: 20px;"> <u> </u> TOMO, <u> </u> GATED TOMO, <u> </u> RECON TOMO or <u> </u> RECON GATED TOMO. </p>
>Start Angle	(0054,0200)	3	<p>Position of the detector about the patient for the start of the acquisition, in degrees. Zero degrees is referenced to the origin at the patient's back. Viewing from the patient's feet, angle increases in a counter-clockwise direction (detector normal rotating from the patient's back towards the patient's left side). Should not be included if Image Type (0008,0008), Value 3, is</p> <p style="margin-left: 20px;"> TOMO, GATED TOMO, RECON TOMO or RECON GATED TOMO. </p>

>Radial Position	(0018,1142)	3	Radial distance of the detector from the center of rotation, in mm. Should not be included if Image Type (0008,0008), Value 3, is TOMO, GATED TOMO, RECON TOMO or RECON GATED TOMO.
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