

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2025-01-21
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Correction Number	CP-2408
Log Summary:	CID Entries that are inconsistent or incomplete
Name of Standard	PS3.16 2024e
Rationale for Correction:	<p>PS3.16 contains some entries in CIDs that are incomplete or inconsistent. Those entries are in CIDs rarely used and might not been noticed until now.</p> <p>1) Table CID 12300. Core Echo Measurement has a missing CodeValue: (, LN, "Main pulmonary artery Vmax") (use LN 11720-0 Main pulmonary artery Peak systolic flow velocity US.doppler)</p> <p>2) Table CID 6334. mpMRI Assessment Type from PI-RADS® has DCM CodeValue to be doubted: (Margin, DCM, "Margin")</p> <p>The hyperlink points to https://dicom.nema.org/medical/dicom/current/output/html/part16.html#DCM_111037 The code 111037 exists and is valid in Table D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01") Obviously, intended CodeValue was "111037" – not "Margin".</p>

3) [Table CID 6337. mpMRI Prostate Abnormality from PI-RADS®](#) has DCM CodeValues to be doubted:
 (Focal abnormality,DCM,"Focal abnormality")
 (Non-focal abnormality,DCM,"Non-focal abnormality")

Similar to (2) the hyperlinks point to numeric DCM codes

https://dicom.nema.org/medical/dicom/current/output/html/part16.html#DCM_130591

https://dicom.nema.org/medical/dicom/current/output/html/part16.html#DCM_130592

Those links are valid and CodeMeaning in Table D-1 matches to CodeMeaning in CID 6337.

Obviously intended DCM codes were 130591 and 130592.

4) [Table CID 4401. Fitzpatrick Skin Type](#) contains “LN” (LOINC) codes, but the codes do not have the typical appearance of a LOINC code. They start with a “C”.

The hyperlink behind those CodeValues points to like

http://ncit.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&ns=NCI_Thesaurus&code=C74569

Apparently, those are NCI Thesaurus Codes. Following the link shows those on NCI web-page, with correct Code Meaning as given in the table CID 4401.

Thus, the CodingSchemeDesignator “NCIt” would be expected here.

5) [Table CID 100. Quantitative Diagnostic Imaging Procedure](#) contains (RPID5427,RADLEX,”NM head perfusion brain PET-CT AV-45”).
 The CodeValue is to be doubted. Hyperlink to RADLEX is missing.

The code “RPID5427” does not exist in [RadLex Playbook Browser](#)
 No other Code with that Meaning was found.

Suggestion: Remove the concept, which was only included for illustrative purposes anyway.

6) [Table CID 3227. QTc Measurement](#) contains a space in a CodeValue

“2 : 33792” should be “2 : 33792”.

Suggestion: Delete the space

[Comment. Hologic: CID 6334: The Code Meaning of DCM 111037 is "Margins" and it is used in the Mammography reporting context (TID 4005, TID 4011, TID 4206). TID 3911 uses (112233002, SCT, "Margin") as a concept name in the CT/MR Cardiovascular Analysis Report context, which seems incorrect given that CID 2 Anatomic Modifier includes (112233002, SCT "Marginal"). FIXED. Changed to use the plural form "Margins"; a separate CP will be introduced to address the replacement of DCM:111037 with SCT: 112233002, at which time this change to the plural form will be reversed.]

Correction Wording:

Update PS3.16, [Table CID 12300. Core Echo Measurement](#) with appropriate CodeValue.

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	Units

LN	11720-0	Main pulmonary artery Vmax		C0551839	(cm/s, UCUM, "cm/s")
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Update PS3.16, [Table CID 6334. mpMRI Assessment Type from PI-RADS®](#)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID	mpMRI Assessment Values
DCM	Margin-111037	Margins			CID 6341 "MRI Margin Characteristic"

Update PS3.16, [Table CID 6337. mpMRI Prostate Abnormality from PI-RADS®](#)

Coding Scheme Designator	Code Value	Code Meaning
DCM	Focal abnormality-130591	Focal abnormality
DCM	Non-focal abnormality-130592	Non-focal abnormality

Update PS3.16, [Table CID 4401. Fitzpatrick Skin Type](#)

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
LN-NCIt	C74569	Fitzpatrick Skin Type I		
LN-NCIt	C74570	Fitzpatrick Skin Type II		
LN-NCIt	C74571	Fitzpatrick Skin Type III		
LN-NCIt	C74572	Fitzpatrick Skin Type IV		
LN-NCIt	C74573	Fitzpatrick Skin Type V		
LN-NCIt	C74574	Fitzpatrick Skin Type VI		

Update PS3.16

Update [Table CID 100. Quantitative Diagnostic Imaging Procedure](#), remove obsolete RPID code:

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
RADLEX	RPID5427	NM head perfusion brain PET-CT AV-45		

Update PS3.16, [Table CID 3227. QTc Measurement](#), change “2: 33792” to “2:33792”

Coding Scheme Designator	Code Value	Code Meaning	ISO/IEEE 11073 MDC Equivalent Reference ID (Informative)
MDC	2:33792 <u>2:33792</u>	QTc interval per lead	MDC_ECG_TIME_PD_QTC_<lead>