

1	Status	Final Text
2	Date of Last Update	2016/01/19
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7	Submission Date	2015/05/31

8	Correction Number CP-1498	
9	Log Summary: Add Magnetization Transfer Ratio to Image Model Component Semantics for Parametric Maps	
10	Name of Standard	
11	PS3.16 2015c	
12	Rationale for Correction:	
13	There is no code for Magnetization Transfer Ratio (MTR).	
14	Correction Wording:	

Amend DICOM PS 3.16 Content Mapping Resource - Context Groups as follows:

CID 7180 Abstract Multi-dimensional Image Model Component Semantics

Type: Extensible
 Version: 2014444020160119

Table CID 7180. Abstract Multi-dimensional Image Model Component Semantics

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
...
DCM	113098	Magnetization Transfer Ratio		

Amend DICOM PS 3.16 - Content Mapping Resource - Controlled Terminology Definitions to add the following new concepts:

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
113098	<u>Magnetization Transfer Ratio</u>	<p><u>Magnetization Transfer Ratio (MTR) is the ratio of magnetization transfer, M_s - M_0/M_0, where M_s represents the magnitude of signal of tissues with the saturation pulse used to saturate macromolecular protons on, and M_0 is the magnitude of signal without saturation.</u></p> <p><u>See Dousset V, Grossman RI, Ramer KN, Schnall MD, Young LH, Gonzalez-Scarano F, et al. Experimental allergic encephalomyelitis and multiple sclerosis: lesion characterization with magnetization transfer imaging. Radiology. 1992 Feb 1;182(2):483-91. http://dx.doi.org/10.1148/radiology.182.2.1732968</u></p>	