

## DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2014/09/04
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Submission Date	2012/11/07

Correction Number	CP-1278
Log Summary: Additional cardiac image types for enhanced CT	
Name of Standard	PS 3.3 2013
Rationale for Correction:	It is desirable to distinguish cardiac CTs acquired for specific purposes like CTA and calcium scoring, using Image Type and Frame Type.
Correction Wording:	

*Amend PS 3.3:*

### C.8.15.2.1.1.3 Image Flavor

Table C.8-115 specifies the Defined Terms for CT additional to those defined in C.8.16.1.3 for Value 3 for Image Type (0008,0008) and Frame Type (0008,9007).

**Table C.8-115  
IMAGE TYPE AND FRAME TYPE VALUE 3 FOR CT**

Defined Term Name	Defined Term Description
ATTENUATION	Collected for the purpose of performing attenuation corrections (e.g. PET attenuation correction)
<b><u>CARDIAC_CTA</u></b>	<b><u>Images of the heart collected for the purpose of CT Coronary Angiography (CTA)</u></b>
<b><u>CARDIAC_CASCORE</u></b>	<b><u>Images of the heart collected for the purpose of CT Coronary Calcium Scoring</u></b>
REFERENCE	Collected for anatomical reference for PET or SPECT

*For reference PS 3.3:*

### C.8.16.1.3 Image Flavor

Value 3 is an overall representation of the image type. This value may be a summary of several other attributes or a duplication of one of the other attributes to indicate the most important aspect of this image. Value 3 Image Flavor is to be used with Value 4 Derived Pixel Contrast to indicate the nature of the image set.

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Table C.8-129 specifies the Defined Terms for Value 3 for Image Type (0008,0008) and Frame Type (0008,9007) that are common to CT and MR. Additional defined terms are defined in the modality-specific Module and Macro definitions.

**Table C.8-129  
IMAGE TYPE AND FRAME TYPE VALUE 3 COMMON**

<b>Defined Term Name</b>	<b>Defined Term Description</b>
ANGIO	Collected for the purpose of angiography
CARDIAC	Images of the heart
CARDIAC_GATED	Cardiac gated images, other than of the heart
CARDRESP_GATED	Cardiac and respiratory gated images
DYNAMIC	<p>An image in which the same anatomical volume is imaged at multiple times in order to capture images of a non-cyclic, time varying event. For example, imaging of the uptake of a tracer or contrast in a specific organ over time.</p> <p>Note: This is different from gating techniques, in which the same anatomical volume is imaged during some portion of a cyclic event , e.g. inspiration or R-R Interval.</p>
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