

### DICOM Correction Item

Correction Number	CP-1097
Log Summary:	CID 3829, 3839, 3840 Structure of Anatomy
Type of Modification	Name of Standard
Modification	PS 3.16-2011
<p>Rationale for Correction:</p> <p>Context Groups 3829, 3839, and 3840, invoked from Template 3902 (part of the CT/MR Cardiovascular Analysis Report), inappropriately use SNOMED “entire ...” rather than “structure of ...” anatomy concepts.</p> <p>In general, DICOM uses the anatomic concepts with the term “structure”, rather than with the term “entire”. This is an important distinction in SNOMED. “Entire” is a child concept to “structure”, has a more restricted meaning, and typically is used in conjunction with treatments (e.g., “excision of <i>entire</i> right kidney”). It is used in distinction to other sibling children of the parent concept that may identify parts of the parent anatomic feature. Since imaging typically targets both the anatomic feature and the area around it, or sometimes just part of the anatomic feature, DICOM usually uses “structure” concepts which are more inclusive than the “entire” concepts.</p> <p>This change replaces the “entire ...” concepts of CID 3829, 3839, and 3840 with the “structure of ...” anatomy concepts.</p>	
<p>Sections of documents affected</p> <p>PS 3.16 Section 8.1, Annex B</p>	
<p>Correction Wording:</p>	

*Add new subsection to 8.1 SNOMED*

#### 8.1.1 Use of SNOMED Anatomic Concepts

In general, DICOM uses the anatomic concepts with the term “structure”, rather than with the term “entire”. This is an important distinction in SNOMED. “Entire” is a child concept to “structure”, has a more restricted meaning, and typically is used in conjunction with treatments (e.g., “excision of *entire* right kidney”). It is used in distinction to other sibling children of the parent concept that may identify parts of the parent anatomic feature. Since imaging typically targets both the anatomic feature and the area around it, or sometimes just part of the anatomic feature, DICOM usually uses “structure” concepts which are more inclusive than the “entire” concepts.

*Modify Annex B*

#### CID 3015 Coronary Arteries

Context ID 3015  
Coronary Arteries

Type: Non-Extensible Version: ~~20030327~~ 20110818

Coding Scheme Designator	Code Value	Code Meaning
...		
SRT	T-4311A0	Left Anterior Descending Coronary Artery
SRT	T-432030	Right Coronary Artery

...		
-----	--	--

**CID 3016 Major Coronary Arteries**

**Context ID 3016**  
**Major Coronary Arteries**  
**Type: Non-Extensible Version: ~~20080927~~ 20110818**

Coding Scheme Designator	Code Value	Code Meaning
SRT	T-4311 <u>A0</u>	Left Anterior Descending Coronary Artery
SRT	T-4320 <u>30</u>	Right Coronary Artery
...		

**CID 3829 Pulmonary Arteries**

**Context ID 3829**  
**Pulmonary Arteries**  
**Type: Extensible Version: ~~20051103~~ 20110818**

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-4410 <u>40</u>	<del>entire</del> Trunk of pulmonary artery
SRT	T-4401 <u>40</u>	<del>entire</del> Suprapulmonic valve area
SRT	T-35250	Pulmonary valve sinuses
SRT	T-4440 <u>40</u>	<del>entire</del> Left pulmonary artery
SRT	T-4420 <u>40</u>	<del>entire</del> Right pulmonary artery

**Note:** A previous version of this context group used terms with the SNOMED concept “entire” (see PS3.16-2009). The use of “structure” concepts rather than “entire” is described in Section 8.1.1.

CID 3839 Coronary Veins

Context ID 3839

Coronary Veins

Type: Extensible

Version: 20051403 20110818

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-4834 <u>30</u>	Azygos vein
SRT	T-4841 <u>80</u>	Coronary sinus
SRT	T-4842 <u>40</u>	Great cardiac vein
SRT	T-4843 <u>65</u>	Small cardiac vein
SRT	T-4844 <u>003</u>	Anterior cardiac vein
SRT	T-484 <u>A106</u>	Atrial vein
SRT	T-484 <u>A307</u>	Atrioventricular vein
SRT	T-4843 <u>40</u>	Middle cardiac vein
SRT	T-484 <u>A204</u>	Ventricular vein
SRT	T-48405	Smallest cardiac vein

**Note:** A previous version of this context group used terms with the SNOMED concept “entire” (see PS3.16-2009). The use of “structure” concepts rather than “entire” is described in Section 8.1.1.

CID 3840 Pulmonary Veins

Context ID 3840

Pulmonary Veins

Type: Extensible

Version: 20051403 20110818

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-485 <u>008F</u>	<del>Entire</del> Pulmonary Vein
SRT	T-485 <u>8E02</u>	<del>Entire</del> Left Pulmonary Vein
SRT	T-4854 <u>B0</u>	<del>Entire</del> Inferior Left Pulmonary Vein
SRT	T-4853 <u>70</u>	<del>Entire</del> Superior Left Pulmonary Vein
SRT	T-4850 <u>41</u>	<del>Entire</del> Right Pulmonary Vein
SRT	T-4852 <u>60</u>	<del>Entire</del> Inferior Right Pulmonary Vein
SRT	T-4851 <u>50</u>	<del>Entire</del> Superior Right Pulmonary Vein

**Note:** A previous version of this context group used terms with the SNOMED concept “entire” (see PS3.16-2009). The use of “structure” concepts rather than “entire” is described in Section 8.1.1.