

1	Status	Final Text
2	Date of Last Update	2017/4/13
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5	Submitter Name	QIICR
6	Submission Date	2016/08/04

7	Correction Number CP-1647	
8	Log Summary: Correct SNOMED lesion codes and synonyms	
9	Name of Standard	
10	PS3.16 2017a	
11	Rationale for Correction:	
12	Over time various different codes and synonyms have been used in different contexts for the concept of a "lesion" and/or findings about a lesion, and some uses of these uses are now deemed "inappropriate" in SNOMED.	
13		
14	Replace uses of M-01000 that have a synonym of "Lesion" (inappropriate synonym in SNOMED) with the preferred name in SNOMED, "Morphologically abnormal structure".	
15		
16	Clean up uses of M-01000 that have correct (acceptable) synonyms to use "Morphologically abnormal structure" rather than variants of it.	
17		
18	In addition, SNOMED also contains a different code M-01100 (SCT:52988006, UMLS:C0221198), which is "Lesion (morphologic abnormality)", and is a child of M-01000, which is not currently in the DICOM-SNOMED subset but has been requested (SIRS Request ID 710711 Batch ID 710721), and is added to provide support for the more specific concept.	
19		
20		
21	(F-03FCD, SRT, "Lesion Finding") is not an appropriate substitute for M-01000, since it refers to the characteristics of lesions, rather than the lesion per se.	
22		
23	Correction Wording:	

Amend DICOM PS3.16 as follows (changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

## TID 3215 Angiographic Lesion Analysis

Table TID 3215. Angiographic Lesion Analysis

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (F-03FCD, SRT, "Lesion Finding")	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		
...	...	...	...	...				

## TID 3252 IVUS Lesion

Table TID 3252. IVUS Lesion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (F-03FCD, SRT, "Lesion Finding")	1	M		
2	>	HAS OBS CONTEXT	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		Up to 3 numeric characters
...	...	...	...	...				

## TID 3908 Vascular Lesion

Table TID 3908. Vascular Lesion

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINS	CONTAINER	EV (F-03FCD, SRT, "Lesion Finding")	1	M		
2	>	CONTAINS	TEXT	EV (121151, DCM, "Lesion Identifier")	1	M		
...	...	...	...	...				

## TID 3911 Plaque Properties

Table TID 3911. Plaque Properties

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		HAS PROPERTIES	NUM	EV (122376, DCM, "Total Plaque Volume")	1	U		UNITS = DT (mm3, UCUM, "mm3")
2		HAS PROPERTIES	CODE	EV (G-A428, SRT, "Margin")	1	U		D???
3		HAS PROPERTIES	CODE	EV (M-01000, SRT, "Morphologically Abnormal Structure")	1-n	M		D???
4		HAS PROPERTIES	INCLUDE	D???	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
5		HAS PROPERTIES	CODE	EV (121071, DCM, "Finding")	1	U		DT (R-102DA, SRT, "Contrast Media Seen in Plaque")

## CID 1000 CT Transverse Plane Reference Basis

Type: Extensible  
Version: 20160905

Table CID 1000. CT Transverse Plane Reference Basis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
SRT	M-01000	Morphologically <del>A</del> abnormal <del>S</del> structure	49755003	C0332447

## CID 3487 Intravascular Volumetric Regions

Type: Extensible  
Version: ~~204406092~~20170413

Table CID 3487. Intravascular Volumetric Regions

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
...	...	...	...	...
SRT	M-01000	<del>Lesion</del> Morphologically <del>A</del> Abnormal <del>S</del> Structure	49755003	C0332447
<u>SRT</u>	<u>M-01100</u>	<u>Lesion</u>	<u>52988006</u>	<u>C0221198</u>
...	...	...	...	...

### Note

(M-01000, SRT, "Morphologically Abnormal Structure") was previously described with a Code Meaning of "Lesion", but that synonym has been retired as "inappropriate" in SNOMED. The Code Meaning has been replaced with the preferred SNOMED term, and the separate concept (M-01100, SRT, "Lesion") added.

## CID 4266 Ophthalmic Anatomic Structure Reference Point

Type: Extensible  
Version: ~~204340442~~20170413

Table CID 4266. Ophthalmic Anatomic Structure Reference Point

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
SRT	M-01000	<del>Lesion</del> Morphologically <del>A</del> Abnormal <del>S</del> Structure	49755003	C0332447
<u>SRT</u>	<u>M-01100</u>	<u>Lesion</u>	<u>52988006</u>	<u>C0221198</u>
...	...	...	...	...

1 **Note**

2 **(M-01000, SRT, "Morphologically Abnormal Structure") was previously described with a Code Meaning of "Lesion",**  
 3 **but that synonym has been retired as "inappropriate" in SNOMED. The Code Meaning has been replaced with the**  
 4 **preferred SNOMED term, and the separate concept (M-01100, SRT, "Lesion") added.**

5 **CID 7150 Segmentation Property Categories**

6 **Type:** Extensible  
 7 **Version:** 20140627

10 **Table CID 7150. Segmentation Property Categories**

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
SRT	T-D0050	Tissue	85756007	C0040300
SRT	T-D000A	Anatomical Structure	123037004	C1268086
SRT	A-00004	Physical object	260787004	C0085089
SRT	M-01000	Morphologically <del>Altered</del> <b>Abnormal</b> Structure	49755003	C0221198
SRT	R-42019	Function	246464006	C0542341
SRT	R-42018	Spatial and Relational Concept	309825002	C0587374
SRT	T-D0080	Body Substance	91720002	C0504082

21 **J SNOMED Retired Codes**

22 **Table J-1. SNOMED Codes Retired from DICOM Use**

Retired Code Value	Code Meaning	Replacement Code	Notes
F-00585	Lesion Finding	F-03FCD	Replacement code has meaning of "Finding of lesion (finding)". Retired code is inactive in SNOMED CT (Duplicate).

27 **Table J-2. SNOMED Synonyms Retired from DICOM Use**

<u>Code Value</u>	<u>Retired Code Meaning</u>	<u>Replacement Code Meaning</u>	<u>Notes</u>
<b><u>M-01000</u></b>	<b><u>Lesion</u></b>	<b><u>Morphologically Abnormal Structure</u></b>	<b><u>Retired synonym has status of "inappropriate" in SNOMED CT.</u></b> <b><u>A different SNOMED CT concept is used to refer specifically to lesions, (M-01100, SRT, "Lesion").</u></b>