

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2019/03/05
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Correction Number	CP1904
Log Summary:	Fix Codes for Anatomical Structure
Name of Standard	PS 3.16 2018e

Rationale for Correction:

The current standard contains the following categories for segmented items / anatomies for prescriptions:

Table CID 7150 "Segmentation Property Categories":

Code with Meaning "Anatomical Structure" and Codes Values SCT = 123037004 / SRT = T-D000A.

Table CID 9501 "Prescription Anatomy Categories":

Code with Meaning "Anatomical Structure" and Code Values SCT = 91723000 / SRT = T-D000A.

It turns out, that the SNOMED code for "Anatomical Structure" is SCT = 91723000 / SRT = T-D0005.

Therefore the Code Meaning and Code Values in CID 7150 are not in line with SNOMED. Rather than the Codes Values SCT = 123037004 / SRT = T-D000A refer to "Body Structure" in SNOMED.

CID 9501 copied the inconsistent SRT Code Value / Meaning pair from CID 7150, but added the SCT value 91723000 corresponding to the Meaning.

In SNOMED, the parent-child (IsA) hierarchy is as follows:

123037004 (T-D000A) "Body structure"

with a broad range of children, like:

91832008 "Anatomical organizational pattern"

258331007 "Anatomical site notations for tumor staging (body structure)"

etc.

The child holding the Anatomical Structures is:

442083009 "Anatomical or acquired body structure"

with children (amongst others):

91723000 (T-D0005) "Anatomical structure"

280115004 "Acquired body structure", with children like scars, stumps, injection sites and alike.

The appropriate code to annotate anatomical structures in the sense as intended in CID 7150 and 9501 is (91723000, SCT, "Anatomical Structure). The more general code (123037004, SCT, "Body Structure") holds a collection of items significantly extending the intended category.

Therefore, the Code Value SCT = 91723000 is taken for "Anatomical Structure" and the corresponding SRT code Value corrected.

WG-06: Adapt to new format

Correction Wording:

In PS 3.16, Appendix B, change the following codes in CID 7150 and 9105:

CID 7150 Segmentation Property Categories

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
 Type: Extensible
 Version: 20170914
 UID: 1.2.840.10008.6.1.496

Table CID 7150. Segmentation Property Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID	Segmentation Property Type Context Group
SRT	T-D0050	Tissue	85756007	C0040300	CID 7191 "Tissue Segmentation Property Types"
SRT	T-D000A <u>T-D0005</u>	Anatomical Structure	123037004 <u>91723000</u>	C1268086	CID 7192 "Anatomical Structure Segmentation Property Types"
SRT	A-00004	Physical object	260787004	C0085089	CID 7193 "Physical Object Segmentation Property Types"
SRT	M-01000	Morphologically Abnormal Structure	49755003	C0221198	CID 7194 "Morphologically Abnormal Structure Segmentation Property Types"
SRT	R-42019	Function	246464006	C0542341	CID 7195 "Function Segmentation Property Types"
SRT	R-42018	Spatial and Relational Concept	309825002	C0587374	CID 7196 "Spatial and Relational Concept Segmentation Property Types"
SRT	T-D0080	Body Substance	91720002	C0504082	CID 7197 "Body Substance Segmentation Property Types"
SRT	F-61002	Substance	105590001	C0439861	CID 7198 "Substance Segmentation Property Types"

CID 9501 Prescription Anatomy Categories

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
 Type: Extensible
 Version: 20181112
 UID: 1.2.840.10008.6.1.1211

Table CID 9501. Prescription Anatomy Categories

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-CT Concept ID	UMLS Concept Unique ID
SRT	T-D000A <u>T-D0005</u>	Anatomical Structure	91723000	C1268086
DCM	130047	External Body Model		
SRT	A-00004	Physical object	260787004	C0085089
DCM	130046	Non-specific Volume		