

DICOM Correction Proposal

STATUS	New
Date of Last Update	2019/10/30
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Submission Date	2019/10/28 mailto:dclunie@dclunie.com

<The box shall precede each new section to be modified>

Correction Number	CP-1985
Log Summary:	Improve handling of Route of Administration.
Name of Standard	PS3.16, 2019c, TID 11007 (Imaging Agent Administration Step)
Rationale for Correction:	<p>1. Rows 11 (Site of) and 12 (Laterality), of TID 11007 are mandatory dependent to row 10 (Administration Route), which is also mandatory. In order to give more flexibility to implementers in UI design/complexity, it seems adequate to change row 11 and 12 from MC to UC. This possibly loss of information can be justified by the lower importance of these fields compared to the importance of the Administration Route. Row 11 and 12 where not referenced in any other TID.</p> <p>2. Within row 12 (Laterality) there is a reference to CID 244 "Laterality". Handling of Laterality has been improved by the 2019c update. Since the values of "Bilateral" and "Unilateral" make no sense in the application with Administration Route, the Value Set Constraint of row 12 from should be changed from CID 244 to the new CID 247 "Left-Right Only".</p>
Correction Wording:	<p>1. Change Required Type of rows 11 and 12 from MC to UC.</p> <p>2. Change Value Set Constraint of row 12 in TID 11007 from CID 244 to CID 247 "Left-Right Only".</p>

Amend DICOM PS3.16 2019c as follows
(changes to existing text are bold and underlined for additions and ~~struckthrough~~ for removals):

TID 11007 Imaging Agent Administration Step

This template provides detailed information on an Imaging Agent Administration step. A step is part of a plan. Steps are usually distinguished from other steps because an operator's intervention is required between steps. Steps are also distinguished when they have different routes of administration. A step may consist of multiple phases.

Type: Extensible
Order: Non-Significant
Root: No

Table TID 11007. Imaging Agent Administration Step

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (130195, DCM, "Imaging Agent Administration Step")	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
2	>	CONTAINS	TEXT	EV (130196, DCM, "Imaging Agent Administration Step Identifier")	1	M		
3	>	CONTAINS	UIDREF	EV (130246, DCM, "Imaging Agent Administration Performed Step UID")	1	MC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
4	>	CONTAINS	CODE	EV (130181, DCM, "Administration Mode")	1	M		DCID 63 "Imaging Agent Administration Mode"
5	>	CONTAINS	CODE	EV (113874, DCM, "Person Role in Organization")	1-n	MC	IF Row 4 = (130174, DCM, "Manual Administration")	DCID 7450 "Person Roles"
6	>	CONTAINS	CODE	EV (130250, DCM, "Administration Step Type")	1	M		DCID 72 "Imaging Agent Administration Step Type"
7	>	CONTAINS	NUM	EV (130197, DCM, "Administration Delay")	1	U		UNITS = EV (s, UCUM, "s")
8	>	CONTAINS	NUM	EV (130198, DCM, "Scan Delay")	1	U		UNITS = EV (s, UCUM, "s")
9	>	CONTAINS	NUM	EV (130193, DCM, "Pressure Limit")	1	UC	IFF Row 4 = (130173, DCM, "Automated Administration")	UNITS = EV (kPa, UCUM, "kPa")
10	>	CONTAINS	CODE	EV (410675002, SCT, "Route of Administration")	1	M		DCID 11 "Route of Administration"
11	>>	HAS PROPERTIES	CODE	EV (272737002, SCT, "Site of")	1	MCUC	IF Row 10 equals(47625008, SCT, "Intravenous route") OR (12130007, SCT, "Intra-articular route")	DCID 3746 "Percutaneous Entry Site"
12	>>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	MCUC	IF Row 11 has laterality	DCID-244 "Laterality" DCID 247 "Left-Right Only"
13	>	CONTAINS	INCLUDE	DTID 11008 "Imaging Agent	1-n	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				Administration Phase"				
14	>	CONTAINS	INCLUDE	DTID 11023 "Imaging Agent Administration Graph"	1-n	UC	IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
15	>	CONTAINS	NUM	EV (130219, DCM, "Number of Injector Heads")	1	U		
16	>	CONTAINS	CODE	EV (130218, DCM, "Programmable Device")	1	U		DCID 231 "Yes-No Only"
17	>	CONTAINS	CONTAINER	EV (130172, DCM, "Manually triggered injection information")	1	UC	IF-Row 4 = (130173, DCM, "Automated Administration") AND IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
18	>>	CONTAINS	NUM	EV (130241, DCM, "Total Step Volume Administered")	1	M		UNITS = EV (ml, UCUM, "ml")
19	>>	CONTAINS	NUM	EV (130242, DCM, "Total number of manually triggered injections")	1	M		

Content Item Descriptions

Row 14	For a multi- syringe/pump injector there will be one graph per syringe/pump system. This is only included in the performed administration because it is descriptive not prescriptive.
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