

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-1989
Log Summary:	Fix condition on presence of manually triggered injection information.
Name of Standard	PS3.16, 2019c, TID 11007 (Imaging Agent Administration Step)
Rationale for Correction:	Within row 17 the condition is not constructed with accurate syntax/semantic: IF... AND IFF... This should be rewritten with the semantic equivalent but correct syntax IFF... AND ...
Correction Wording:	Change condition of row 17: IF Row 4 = (130173, DCM, "Automated Administration") AND IFF root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration") To IFF Row 4 = (130173, DCM, "Automated Administration") AND root Concept Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")

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		
2	>	CONTAINS	TEXT	EV (130196, DCM,	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				"Imaging Agent Administration Step Identifier")				
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	UC	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	UC	IF Row 11 has laterality	DCID 247 "Left-Right Only"
13	>	CONTAINS	INCLUDE	DTID 11008 "Imaging Agent Administration Phase"	1-n	M		
14	>	CONTAINS	INCLUDE	DTID 11023	1-n	UC	IFF root Concept	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
				"Imaging Agent Administration Graph"			Name Code Sequence = (130227, DCM, "Performed Imaging Agent Administration")	
15	>	CONTAINS	NUM	EV (130219, DCM, "Number of Injector Heads")	1	UC	IFF Row 4 = (130174, DCM, "Automated Administration")	
16	>	CONTAINS	CODE	EV (130218, DCM, "Programmable Device")	1	UC	IFF Row 4 = (130174, DCM, "Automated Administration")	DCID 231 "Yes-No Only"
17	>	CONTAINS	CONTAINER	EV (130172, DCM, "Manually triggered injection information")	1	UC	IFF 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		
20	>	CONTAINS	TEXT	EV(99cp1986newcode0001, DCM, "Imaging Agent Administration Step Sequence Number")	1	MC	IF root Concept Name Code Sequence = (130226, DCM, "Planned Imaging Agent Administration")	

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.
Row 20	Imaging Agent Administration Step Sequence Number shall be treated as the ordinal of the defined administration step within the administration steps (i.e., "1" for the first step, "2" for the second, etc.).