

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2019/03/12
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Correction Number	cp1865
Log Summary: Concept Codes for use of UPS in RT Treatment Sessions	
Name of Standard PS 3.3 2018b Part 16	
<p>Rationale for Correction:</p> <p>The IHE-RO Treatment Delivery Workflow profiles use the Unified Procedure Step Service and SOP Classes to schedule, request and report treatment delivery. The treatment delivery device usually builds a view of the treatment schedule of the day. The view should include some basic information about the treatment delivery (e.g. the label of the plan to be delivered or information about the treatment progress). That information is included in the IODs referenced in the Input Information Sequence of the UPS (namely RT Plan IOD and RT Beams Delivery Instruction IOD). However, this requires the treatment delivery device to retrieve the referenced objects already when creating the schedule of the day. Therefore, the profile defined new private concept codes (indicated by a designator of 99IHE2018) to convey this additional information as scheduled parameters in the UPS. Since these scheduled parameters will be used widely for other treatment modalities in future as well as in 2nd Generation, it is indicated to have standard codes for that purpose.</p> <p>Additionally, the CP introduces a new CID to convey coded progress parameters in the Procedure Step Progress Parameters Sequence of a UPS (see also CP1664).</p> <p><i>2019-01-10 WG-06: Consider defining a TID (e.g. see TID 8200, which was also used in IHE context)</i></p>	
Correction Wording:	

In PS 3.16, add the following to Annex D:

ANNEX D DICOM CONTROLLED TERMINOLOGY DEFINITIONS (NORMATIVE)

Code Value	Code Meaning	Definition	Notes
...			
<u>cccc1</u>	<u>RT Plan Label</u>	<u>Human readable label of the plan.</u>	
<u>cccc2</u>	<u>Current Fraction Number</u>	<u>The index of the fraction of the plan to be delivered.</u>	
<u>cccc3</u>	<u>Number of Fractions Planned</u>	<u>The total number of prescribed fractions.</u>	
<u>cccc4</u>	<u>Number of Fractions Completed</u>	<u>The number of fully completed Fractions. Partially completed Fractions are not included.</u>	

Code Value	Code Meaning	Definition	Notes
<u>cccc5</u>	<u>Checked-In Status</u>	<u>Whether or not the patient has been checked-in and is waiting.</u>	
<u>cccc10</u>	<u>Referenced Beam Number</u>	<u>The referenced beam number within the plan to be delivered.</u>	

Add the following TID to the table in PS3.16, Annex C:

TID TTT1 SCHEDULED PROCESSING PARAMETER CONCEPT CODES FOR RT TREATMENT

TID ttt1

Scheduled Processing Parameter Concept Codes for RT Treatment

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML

Type: Extensible

Order: Non-Significant

UID: 1.2.840.10008.6.1.uid1

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	TEXT	EV (cccc1, DCM, "Plan Label")	1	U		
2	NUMERIC	EV (cccc2, DCM, "Current Fraction Number")	1	U		UNIT = EV (1, UCUM, "no units")
3	NUMERIC	EV (cccc3, DCM, "Number of Fractions Planned")	1	U		UNIT = EV (1, UCUM, "no units")
4	NUMERIC	EV (cccc4, DCM, "Number of Fractions Completed")	1	U		UNIT = EV (1, UCUM, "no units")
5	CODE	EV (cccc5, DCM, "Checked-In Status")	1	U		DCID 230 "Yes-No"

TID TTT2 PROGRESS PARAMETER CONCEPT CODES FOR RT TREATMENT

TID ttt2

Progress Parameter Concept Codes for RT Treatment

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML

Type: Extensible

Order: Non-Significant

UID: 1.2.840.10008.6.1.uid2

	Value Type	Concept Name	VM	Req Type	Condition	Value Set Constraint
1	NUMERIC	EV (cccc10, DCM, "Referenced Beam Number")	1	U		UNIT =EV (1, UCUM, "no units")