

## DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2018/03/26
Person Assigned	Kevin O'Donnell
Submitter Name	Kevin O'Donnell
Submission Date	2017/06/21

Correction Number	CP-1725
Log Summary:	Add date and time of irradiation event start to CT RDSR
Name of Standard	PS3.16 2018a
Rationale for Correction:	<p>Although the date and time of the start of the irradiation event is recorded in the X-Ray RDSR template, it is missing in the CT RDSR Template. Both have the datetime of the start of the irradiation for the study.</p> <p>The irradiation event time may be useful for certain simulations or for correlating the irradiation event with other events.</p>
Correction Wording:	

*Modify PS 3.16 TID 10003 Content Item Descriptions as shown*

### TID 10003 Irradiation Event X-Ray Data

**Table TID 10003. Irradiation Event X-Ray Data**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
6	>	CONTAINS	DATETIME	DT (111526, DCM, "DateTime Started")	1	M		

#### Content Item Descriptions

Row 6	<p><b>Provide The</b> DateTime <b>that</b> the application of X-Rays started <b>for this irradiation event</b>. This shall correspond to the start of the first irradiation in the Irradiation Event, which defines the starting point for the calculation of Row 36 "Irradiation Duration".</p>
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*Modify PS 3.16 TID 10013 as shown*

**Table TID 10013. CT Irradiation Event Data**

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (113819, DCM, "CT Acquisition")	1	M		
2	>	CONTAINS	TEXT	EV (125203, DCM, "Acquisition Protocol")	1	U		
3	>	CONTAINS	CODE	EV (123014, DCM, "Target Region")	1	M		DCID 4030 "CT, MR and PET Anatomy Imaged"
4	>	CONTAINS	CODE	EV (113820, DCM, "CT Acquisition Type")	1	M		DCID 10013 "CT Acquisition Type"
4b	>>	CONTAINS	CODE	EV (113961, DCM, "Reconstruction Algorithm")	1-n	U		DCID 10033 "CT Reconstruction Algorithm"
5	>	CONTAINS	CODE	EV (G-C32C, SRT, "Procedure Context")	1	U		DCID 10014 "Contrast Imaging Technique"
6	>	CONTAINS	UIDREF	EV (113769, DCM, "Irradiation Event UID")	1	M		
6b	>	CONTAINS	TEXT	EV (113605, DCM, "Irradiation Event Label")	1	U		
6c	>>	HAS CONCEPT MOD	CODE	EV (113606, DCM, "Label Type")	1	MC	IF the value of Row 6b is the value of an Attribute in the images.	DCID 10022 "Label Types"
6d	>	CONTAINS	CODE	EV (128551, DCM, "Is Repeated Acquisition")	1	U		DCID 230 "Yes-No"
6e	>>	HAS CONCEPT MOD	CODE	EV (128552, DCM, "Reason for Repeating Acquisition")	1	M		DCID 10034 "Reason for Repeating Acquisition"
<b>6f</b>	<b>&gt;</b>	<b>CONTAINS</b>	<b>DATETIME</b>	<b>EV (111526, DCM, "DateTime Started")</b>	<b>1</b>	<b>U</b>		
7	>	CONTAINS	CONTAINER	EV (113822, DCM, "CT Acquisition Parameters")	1	M		
		...						

**Content Item Descriptions**

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<b>Row 6f</b>	<b>The DateTime that the application of X-Rays started for this irradiation event. This shall correspond to the start of the first irradiation in the Irradiation Event, which defines the starting point for the calculation of the contents of the Row 21 "CT Dose" CONTAINER.</b>
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