

## DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2019/01/23
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Correction Number	CP1906
Log Summary:	Add Laterality to Treatment Site Code
Name of Standard	PS 3.16 2018e
Rationale for Correction:	<p>The C.36.5 RT Physician Intent Module contains a coded description of the site to treat with Radiotherapy. However, a definition of the laterality is missing. This is especially useful when laterality-specific codes of the treatment site are not available respectively may not be used in a certain context in favor of specifying the laterality separately.</p> <p>A coded description of the laterality is added.</p>
Correction Wording:	

*In PS 3.3, add the following to Table C.36.5-1. RT Physician Intent Module Attributes*

### C.36.5 RT Physician Intent Module

The RT Physician Intent Module contains information about the overall intent of the treatment. The content is mostly descriptive text and allows for the presence of unstructured advice by the physician along the established nomenclature of the actual institution.

**Table C.36.5-1. RT Physician Intent Module Attributes**

Attribute Name	Tag	Type	Attribute Description
<i>Include Table 10.9.2-1 "Extended Content Identification Macro Attributes"</i>			
RT Treatment Phase Intent Presence Flag	(3010,0045)	1	Whether an RT Treatment Phase Intent definition is present.  Enumerated Values: <b>YES</b> <b>NO</b>
RT Physician Intent Sequence	(3010,0057)	1	The overall goals or aims intended by the physician, for the Radiotherapy.  One or more Items shall be included in this Sequence.

Attribute Name	Tag	Type	Attribute Description
			See Section C.36.5.1.1.
>RT Physician Intent Index	(3010,0058)	1	Index of the RT Physician Intent in the Sequence. The value shall start at 1 and increase monotonically by 1.
>Treatment Site	(3010,0077)	1	A free-text label describing the anatomical treatment site.
>Treatment Site Code Sequence	(3010,0078)	2	Coded description of the treatment site. Zero or more Items shall be included in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			No Baseline CID is defined.
>>Treatment Site Modifier Code Sequence	(gggg,xxx1)	2	<b><u>Coded description of the laterality of the treatment site.</u></b> <b><u>Zero or more Items shall be included in this Sequence.</u></b>
>>>Include Table 8.8-1 "Code Sequence Macro Attributes"			<b><u>DCID 2 "Anatomic Modifier".</u></b>
>RT Physician Intent Narrative	(3010,005A)	2	Narrative of RT Physician Intent.
...			

In PS 3.3, add the following to Table C.36.8-1. RT Segment Annotation Module Attributes

### C.36.8 RT Segment Annotation Module

The RT Segment Annotation Module references segments and provides radiotherapy-specific annotations for them. The geometry of each segment is defined by a referenced Segmentation, Surface Segmentation, RT Structure Set or any other general-purpose Instance that represents geometric information.

The values of the following Attribute shall take precedence over values in the referenced SOP Instances:

- Segment Annotation Category Code Sequence (3010,002B)
- Segment Annotation Type Code Sequence (3010,002C)

**Table C.36.8-1. RT Segment Annotation Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Include Table 10.9.2-1 "Extended Content Identification Macro Attributes"			
Content Creator's Name	(0070,0084)	2	Name of the most recent person to significantly modify the content of this SOP Instance.
RT Segment Annotation Sequence	(3010,002A)	1	Annotations for segments are described in this Sequence. One or more Items shall be included in this Sequence.
>RT Segment Annotation Index	(3010,003D)	1	Index of the Segment.

Attribute Name	Tag	Type	Attribute Description
			The value shall start at 1 and increase monotonically by 1.
>Include Table 10.32-1 "Entity Long Labeling Macro Attributes"			
>Referenced Segment Reference Index	(3010,0020)	1	The Segment Reference Index (3010,0022) in the Segment Reference Sequence (3010,0021) corresponding to the segment this Sequence Item relates to.
>Segment Annotation Category Code Sequence	(3010,002B)	2	Category of the annotation of this segment. Zero or one Item shall be included in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			DCID 9502 "RT Segment Annotation Categories".
>Segment Annotation Type Code Sequence	(3010,002C)	1C	Specific type of the annotation of this segment. Required if Segment Annotation Category Code Sequence (3010,002B) has a value. Only a single Item shall be included in this Sequence. See Section C.36.8.1.1.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			Context Groups are specified in Section C.36.8.1.1.
<b>&gt;&gt;Segment Annotation Type Modifier Code Sequence</b>	<b>(gggg,xxx2)</b>	<b>2</b>	<b><u>Modifier of the type of the annotation of this segment.</u></b> <b><u>Zero or one Item shall be included in this Sequence.</u></b>
<b>&gt;&gt;&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</b>			<b><u>DCID 244 "Laterality".</u></b>
>Segmentation Creation Template Label	(3010,001E)	3	Label for the template used to define the set of segments to be created from patient images and the names, codes, default presentation parameters associated with those segments.
...			

Add the following row to PS3.6, Section 6

<b>(gggg,xxx1)</b>	<b><u>Treatment Site Modifier Code Sequence</u></b>	<b><u>TreatmentSiteModifierCodeSequence</u></b>	<b><u>SQ</u></b>	<b><u>1</u></b>
<b>(gggg,xxx2)</b>	<b><u>Segment Annotation Type Modifier Code Sequence</u></b>	<b><u>SegmentAnnotationTypeModifier CodeSequence</u></b>	<b><u>SQ</u></b>	<b><u>1</u></b>