RT Plan

Advanced Technology Consortium for Clinical Trials Quality Assurance

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RT Plan Issues

RT Plan Geometry = PATIENT
Isocenter Position (tele) required
Control Point 3D Position (brachy) required

RT General Plan Module (tele)

Field	Tag	Туре	Comments
RT Plan Label	(300A,0002)	1	Should be meaningful, e.g., "Initial", "Boost", "Total"
Operators' Name	(0008,1070)	2	
RT Plan Date	(300A,0006)	2	
RT Plan Time	(300A,0007)	2	
RT Plan Geometry	(300A,000C)	1	Must be PATIENT
Referenced Structure Set Seq.	(300C,0060)	1C	Required; DICOM condition is forced
>Referenced SOP Class UID	(0008,1150)	1C	Required; DICOM condition is forced
>Referenced SOP Instance UID	(0008,1155)	1C	Required; DICOM condition is forced

Control Point Sequence (end) Beam Sequence (end)

Field	Tag	Туре	Comments
Beam Sequence • • •			
>Control Point Sequence • • •			
>>Patient Support Angle	(300A,0122)	1C	
>>Patient Support Rotation Direction	(300A,0123)	1C	
>>Table Top Eccentric Angle	(300A,0125)	1C	
>>Table Top Eccentric Rotation Direction	(300A,0126)	1C	
>>Table Top Vertical Position	(300A,0128)	2C	
>>Table Top Longitudinal Position	(300A,0129)	2C	
>>Table Top Lateral Position	(300A,012A)	2C	
>>Isocenter Position	(300A,012C)	2 C	Must be specified (non- null)

Brachy Control Point Sequence

Field	Tag	Туре	Comments
Application Setup Sequence • • •			
>Channel Sequence • • •			
>>Brachy Control Point Sequence	(300A,02D0)	1	
>>>Control Point Index	(300A,0112)	1	
>>>Cumulative Time Weight	(300A,02D6)	2	
>>>Control Point Relative Position	(300A,02D2)	1	
>>>Control Point 3D Position	(300A,02D4)	3	Required. This is the (x,y,z) location of the seed, source, or dwell position in patient coordinates.