

## DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2026/01/28
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Correction Number	CP-2574
Log Summary:	Add TABLETOP to Fixation Device Type
Name of Standard	PS3.3, PS3.16
Rationale for Correction:	Modern patient support devices can have interchangeable tabletops that can be electronically verified. This proposal adds TABLETOP to the defined terms of Fixation Device Type (300A,0192) of the RT Patient Setup Module. Also a corresponding code definition is added to CID 9513 Fixation Device.
Correction Wording:	

*Update PS3 C.8.8.12 RT Patient Setup Module*

**Table C.8-48. RT Patient Setup Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Patient Setup Sequence	(300A,0180)	1	Sequence of patient setup data for current plan. One or more Items shall be included in this Sequence.
>Patient Setup Number	(300A,0182)	1	Identification number of the Patient Setup. The value of Patient Setup Number (300A,0182) shall be unique within the RT Plan in which it is created.
>Patient Setup Label	(300A,0183)	3	The user-defined label for the Patient Setup.
>Patient Position	(0018,5100)	1C	Patient position descriptor relative to the equipment. Required if Patient Additional Position (300A,0184) is not present. See Section C.8.8.12.1.2 for Defined Terms and further explanation.
>Patient Additional Position	(300A,0184)	1C	User-defined additional description of patient position. Required if Patient Position (0018,5100) is not present.
>Patient Treatment Preparation Sequence	(300A,079F)	3	Procedures and devices required to prepare a patient for treatment.  Only a single Item is permitted in this Sequence.  See Section C.8.8.12.1.3.
>>Include Table C.36.2.3.4-1 "RT Patient Treatment Preparation Macro Attributes".			

Attribute Name	Tag	Type	Attribute Description
>Referenced Setup Image Sequence	(300A,0401)	3	Sequence of setup verification images for this patient setup. One or more Items are permitted in this Sequence. See Section C.8.8.12.1.1
>>Setup Image Comment	(300A,0402)	3	Comment on the Setup Image.
>>Include Table 10-3 "Image SOP Instance Reference Macro Attributes"			
>Fixation Device Sequence	(300A,0190)	3	Sequence of Fixation Devices used in Patient Setup. One or more Items are permitted in this Sequence.
>>Fixation Device Type	(300A,0192)	1	Type of Fixation Device used during in Patient Setup.  Defined Terms: <b>BITEBLOCK</b> <b>HEADFRAME</b> <b>MASK</b> <b>MOLD</b> <b>CAST</b> <b>HEADREST</b> <b>BREAST_BOARD</b> <b>BODY_FRAME</b> <b>VACUUM_MOLD</b> <b>WHOLE_BODY_POD</b> <b>RECTAL_BALLOON</b> <b><u>TABLETOP</u></b>
>>Fixation Device Label	(300A,0194)	2	User-defined label identifier for Fixation Device.
>>Fixation Device Description	(300A,0196)	3	User-defined description of Fixation Device.

Update PS16 B.1 Context Groups

## CID 9513 Fixation Device

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML  
Keyword: FixationDevice  
FHIR Keyword: dicom-cid-9513-FixationDevice  
Type: Extensible  
Version: 20240612  
UID: 1.2.840.10008.6.1.1223

Table CID 9513. Fixation Device

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	228745001	Bite block	A-01105	C0179321
DCM	130110	Headframe		
DCM	130111	Head Mask		
DCM	130112	Head and Neck Mask		
DCM	130113	Mold		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	130114	Cast		
SCT	706683002	Headrest	R-FEEC3	C0181130
DCM	130116	Breast Board		
DCM	130117	Body Frame		
DCM	130118	Vacuum Mold		
DCM	130119	Whole Body Pod		
DCM	130120	Rectal Balloon		
DCM	130121	Vaginal Cylinder		
DCM	130653	Breast Bridge		
DCM	130654	Abdominal Compression Belt		
DCM	130655	Abdominal Compression Arch		
DCM	130656	Head Fixation Board		
SCT	20406008	Backrest	A-12260	C0336586
DCM	130852	Shin Rest		
DCM	130853	Heel Stop		
SCT	468115008	Armrest	R-FCFCC	C3880585
DCM	130854	Hand Grips		
DCM	130855	Seat Pan		
<b><u>DCM</u></b>	<b><u>VVV1</u></b>	<b><u>Tabletop</u></b>		

*Update PS16 D DICOM Controlled Terminology Definitions (Normative)*

## D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

The contents of this table are available in OWL, XRDF and CSV format at <ftp://medical.nema.org/medical/dicom/resources/ontology/dcm/dcm.owl> and in Bioportal.

**Table D-1. DICOM Controlled Terminology Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")**

Code Value	Code Meaning	Definition	Notes
...	...		...
130112	Head and Neck Mask	A device that is placed over the patient's face and neck and attached to the tabletop to prevent the patient from moving relative to the tabletop.	
130113	Mold	A device that is modified by pressure (molded) to fit another object (such as the patient's anatomy) and then used to control the reproducibility of the patient's treatment position.	
130114	Cast	A device that is fabricated from a mold of another object (like the patient's anatomy) and then used to control the reproducibility of the patient's treatment position.	
130116	Breast Board	A device placed on the tabletop to support the chest and arms of a patient in a prescribed position and orientation.	
130117	Body Frame	A device placed beneath a patient to support the whole body in a prescribed position and orientation relative to the table top.	
<b><u>VVV1</u></b>	<b><u>Tabletop</u></b>	<b><u>A support surface that is attached to top of the patient support device for reproducible patient positioning.</u></b>	