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# DICOM Change Proposal

STATUS	Letter Ballot
Date of Last Update	2025/01/19
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Change Number	CP-1570
Log Summary: Add Dental Acquisition Attributes into VL IOD	
Name of Standard	PS3.3, PS3.16
<p>Rationale for Change:</p> <p>The Rationale for Correction:</p> <p>Dentistry needs to make use of Acquisition Context attributes for clinical and forensic use cases.</p> <p>The Visible Light Photography IOD includes the “Acquisition Context Module” to describe conditions present during data acquisition. Rather than develop a new module, a new context group provides the required standard attributes. Other attributes may be vendor-specific; therefore, it may not be possible to define the commonly used values. However, being able to convey those in a coded way in the Acquisition Context Sequence appears to be much more favorable and informative to the end-user, compared to the use of private tags.</p> <p>A prospective ADA Standard (ADA-1107), with the potential to evolve into an IHE Profile (DENT-OIP), meticulously describes how to use DICOM for orthodontic photographs, and has been used as a source for this Correction Package. Regular nightly builds can be accessed at the following link: <a href="https://open-ortho.org/dent-oip/nightly/">https://open-ortho.org/dent-oip/nightly/</a>.</p> <p>An operational instantiation of this standard is underway, facilitated by the open-ortho project. For more information, visit: <a href="https://github.com/open-ortho/dicom4ortho">https://github.com/open-ortho/dicom4ortho</a>.</p>	
Change Wording:	

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*Modify PS3.3 Section VL Photographic Image IOD Content Constraints as follows:*

## **A.32.4.4 VL Photographic Image IOD Content Constraints**

### **A.32.4.4.1 Modality**

The value of Modality (0008,0060) shall be XC.

### **A.32.4.4.2 Anatomic Region Sequence**

For dermatology applications:

- For Anatomic Region Sequence (0008,2218) BCID 4029 “Dermatology Anatomic Site” may be used.
- For Anatomic Region Modifier Sequence (0008,2220) BCID 245 “Laterality with Median” may be used.

### **For dental applications:**

- For Anatomic Region Sequence (0008,2218) BCID 4028 “Craniofacial Anatomic Regions” may be used.
- For Anatomic Region Modifier Sequence (0008,2220) BCID CID 247. “Laterality Left-Right Only” may be used.
- For Primary Anatomic Structure Sequence (0008,2228) BCID newCID1 “Head and/or Neck Primary Anatomic Structure” may be used.
- For Primary Anatomic Structure Modifier Sequence (0008,2230) BCID CID 247. “Laterality Left-Right Only” may be used.

#### **A.32.4.4.3 Acquisition Context Sequence**

**For dental applications:**

- For Acquisition Context Sequence (0040,0555) TID newTID1. VL Orthodontic Acquisition Context may be used.

*Modify PS3.3 Section A.32.4.4.2 Anatomic Region Sequence as follows:*

#### **C.8.12.1 VL Image Module**

Table C.8-77 specifies the Attributes of the VL Image Module, which describe a VL Image produced by Endoscopy (ES), General Microscopy (GM), Automated-Stage Microscopy (SM), External-camera Photography (XC), Dermoscopy (DMS), or other VL imaging Modalities.

**Table C.8-77. VL Image Module Attributes**

Attribute Name	Tag	Type	Attribute Description
Image Type	(0008,0008)	1	Image identification characteristics.  See Section C.8.12.1.1.6 for specialization.
Photometric Interpretation	(0028,0004)	1	Specifies the intended interpretation of the pixel data.  See Section C.8.12.1.1.1 for specialization of this Attribute.
Bits Allocated	(0028,0100)	1	Number of bits allocated for each pixel sample. Each sample shall have the same number of bits allocated.  See Section C.8.12.1.1.2 for specialization of this Attribute. See PS3.5 for further explanation.
Bits Stored	(0028,0101)	1	Number of bits stored for each pixel sample. Each sample shall have the same number of bits stored.  See Section C.8.12.1.1.2 for specialization of this Attribute. See PS3.5 for further explanation.
High Bit	(0028,0102)	1	Most significant bit for pixel sample data. Each sample shall have the same high bit.  See Section C.8.12.1.1.2 for specialization of this Attribute. See PS3.5 for further explanation.
Pixel Representation	(0028,0103)	1	Data representation of the pixel samples. Each sample shall have the same pixel representation.

			See Section C.8.12.1.1.3 for specialization of this Attribute.
Samples per Pixel	(0028,0002)	1	Number of samples (planes) per image.  See Section C.8.12.1.1.4 for specialization of this Attribute.
Planar Configuration	(0028,0006)	1C	Indicates whether the pixel data are encoded color-by-plane or color-by-pixel. Required if Samples per Pixel (0028,0002) has a value greater than 1. See Section C.8.12.1.1.5 for specialization of this Attribute.
Content Time	(0008,0033)	1C	The time the image pixel data creation started. Required if the Image is part of a Series in which the images are temporally related.  Note This Attribute was formerly known as Image Time.
Lossy Image Compression	(0028,2110)		Specifies whether an Image has undergone lossy compression (at a point in its lifetime).  Enumerated Values:  <b>00</b> Image has NOT been subjected to lossy compression. <b>01</b> Image has been subjected to lossy compression.  Once this value has been set to "01" it shall not be reset.  See Section C.7.6.1.1.5
Referenced Image Sequence	(0008,1140)	1C	A Sequence that references other images significantly related to this image.  One or more Items are permitted in this Sequence.  Required if Image Type (0008,0008) Value 3 is present and has a value of "STEREO L" or "STEREO R". May also be present otherwise. See Section C.8.12.1.1.7.
<i>&gt;Include Table 10-3 "Image SOP Instance Reference Macro Attributes"</i>			
>Purpose of Reference Code Sequence	(0040,A170)	2	Describes the purpose for which the reference is made. Zero or one Item shall be included in this Sequence.
<i>&gt;&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>DCID 7201 "Referenced Image Purpose of Reference".</i>
Window Center	(0028,1050)	3	Window Center for display. See Section C.11.2.1.2 for further explanation.  Meaningful only if Photometric Interpretation (0028,0004) is MONOCHROME2.

Window Width	(0028,1051)	1C	Window Width for display. See Section C.11.2.1.2 for further explanation.  Required if Window Center (0028,1050) is present.
Image Laterality	(0020,0062)	3	Laterality of (possibly paired) body part (as described in Anatomic Region Sequence (0008,2218)) examined. Enumerated Values: <b>R</b> right <b>L</b> left <b>U</b> unpaired <b>B</b> both left and right  Shall be consistent with any laterality information contained in Primary Anatomic Structure Modifier Sequence (0008,2230), Anatomic Region Modifier Sequence (0008,2220), and/or Laterality (0020,0060), if present. Note  1. Laterality (0020,0060) is a Series level Attribute and must be the same for all Images in the Series, hence it must be absent if Image Laterality (0020,0062) has different values for Images in the same Series. 2. There is no value for median, for which Primary Anatomic Structure Modifier Sequence (0008,2230) or Anatomic Region Modifier Sequence (0008,2220) may be used instead.
<b><u>View Code Sequence</u></b>	<b><u>(0054,0220)</u></b>	<b><u>3</u></b>	<b><u>Sequence that describes the perspective of the anatomic region of interest in the image.</u></b>  <b><u>Only a single Item is permitted in this Sequence.</u></b>
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>			<b><u>BCID newCID2 VL View.</u></b> <b><u>BCID newCID3 VL Dental View.</u></b>
<b><u>&gt;View Modifier Code Sequence</u></b>	<b><u>(0054,0222)</u></b>	<b><u>3</u></b>	<b><u>View modifier.</u></b>  <b><u>One or more Items are permitted in this Sequence.</u></b>
<b><u>&gt;&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>			<b><u>BCID newCID4 VL View Modifier</u></b> <b><u>BCID newCID5 VL Dental View Modifier.</u></b>
Anatomic Region Sequence	(0008,2218)	1C	Sequence that identifies the anatomic region of interest in this image (i.e., external anatomy, surface anatomy, or general region of the body).  Only a single Item shall be included in this Sequence.  Required if Number of Frames (0028,0008) is present and Specimen Description Sequence (0040,0560) is absent. May be present otherwise.
<b><u>&gt;Include Table 8.8-1 "Code Sequence Macro Attributes"</u></b>			<b><u>DCID 4040 "Endoscopy Anatomic Region" for the Video Endoscopic IOD.</u></b>

			<p>BCID 4029 “Dermatology Anatomic Site” for the VL Photographic Image IOD and Dermoscopic Photography Image IOD for dermatology applications.</p> <p><b><u>BCID 4028 “Craniofacial Anatomic Regions”</u></b></p> <p>BCID 4031 “Common Anatomic Region” for humans and BCID 7483 “Common Anatomic Regions for Animal” for non-human organisms.</p>
>Anatomic Region Modifier Sequence	(0008,2220)	3	<p>Sequence of Items that modifies the anatomic region of interest of this image</p> <p>One or more Items are permitted in this Sequence.</p>
>>Include Table 8.8-1 “Code Sequence Macro Attributes”			<p>BCID 2 “Anatomic Modifier”.</p> <p>BCID 245 “Laterality with Median” is defined for the VL Photographic Image IOD and Dermoscopic Photography Image IOD for dermatology applications.</p> <p><b><u>BCID CID 247. “Laterality Left-Right Only” defined for the VL Photographic Image IOD for dental applications</u></b></p>
Include Table 10-8 “Primary Anatomic Structure Macro Attributes”			<p><b><u>No CID is defined.</u></b></p> <p><b><u>BCID newCID1 “Head and/or Neck Primary Anatomic Structure” may be used.</u></b></p> <p>These Type 3 Attributes are not appropriate when Specimen Description Sequence (0040,0560) is present, as it includes the Primary Anatomic Structure Macro for each specimen in the image.</p>
Channel Description Code Sequence	(0022,001A)	3	<p>Describes the light color used for each channel to generate the image.</p> <p>If Photometric Interpretation (0028,0004) has one of the YBR values, the meaning is for pixel data in an equivalent RGB encoding.</p> <p>Note</p> <p>Interpretation and representation of RGB images rely on the assumption that the red channel really contains the red wavelength range of illumination light, the blue channel the blue wavelength range, etc. Some modalities use the RGB Photometric Interpretation as a container representing 3 channels of any illumination wavelength.</p> <p>Shall have the same number of Items as the value of Samples per Pixel (0028,0002). The channels shall be described in the order in which the channels are encoded.</p>
>Include Table 8.8-1 “Code Sequence Macro Attributes”			BCID 4206 “Ophthalmic Channel Description”.

Pixel Spacing	(0028,0030)	3	Physical distance in the imaging target (patient or specimen) between the center of each pixel, specified as a numeric pair - adjacent row spacing \ adjacent column spacing, in mm. See Section 10.7.1.3.
Imager Pixel Spacing	(0018,1164)	3	Physical distance measured at the front plane of the Image Receptor housing between the center of each pixel. Specified by a numeric pair - row spacing value (delimiter) column spacing value - in mm.  In the case of a photographic camera, the front plane is defined to be the focal plane.

Add the following to PS3.16 Section C Acquisition Context Module, Protocol and Workflow Context Templates:

#### TID newTID1 Orthodontic Acquisition Context

**Type:** Extensible

**Order:** Non-Significant

**Root:** No

Table TID newTID1. VL Orthodontic Acquisition Context

	NL	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		<u>CODE</u>	<u>DT (newCODE1, DCM, "Orthognathic Functional Conditions")</u>	<u>1-n</u>	<u>U</u>		<u>BCID newCID6 Orthognathic Functional Conditions</u>
2		<u>CODE</u>	<u>DT (118243007, SCT, "Finding by inspection")</u>	<u>1-n</u>	<u>U</u>		<u>BCID newCID7 Finding by Inspection</u>
3		<u>CODE</u>	<u>DT (363787002, SCT, "Observable entity")</u>	<u>1-n</u>	<u>U</u>		<u>BCID newCID8 Orthodontic Observable Entities</u>
4		<u>CODE</u>	<u>DT (25272006, SCT, "Dental occlusion, function")</u>	<u>1</u>	<u>U</u>		<u>BCID newCID9 Dental Occlusion</u>
5		<u>CODE</u>	<u>EV (128741, DCM, "Longitudinal Temporal Event Type")</u>	<u>1</u>	<u>U</u>		<u>BCID newCID10 Orthodontic Treatment Progress</u>
6		<u>NUM</u>	<u>EV (128740, DCM, Longitudinal Temporal Offset from Event)</u>	<u>1</u>	<u>U</u>		<u>UNITS = DT (d, UCUM, "days")</u>

Modify PS3.16 Table CID 4028. Craniofacial Anatomic Regions as follows:

**Table CID 4028. Craniofacial Anatomic Region**

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
...				
<u>SCT</u>	<u>123851003</u>	<u>Mouth</u>		<u>C0230028</u>

Modify PS3.16 Table CID 4051.General Device as follows:

**Table CID 4051. General Device**

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID 8 “Angiographic Interventional Device”				
Include CID 3451 “Calibration Object”				
Include CID 4052 “Phantom Device”				
<b><u>Include CID newCID11 “General Photography Device”</u></b>				
SCT	61968008	Syringe	A-10150	C0039142

Add the following to PS3.16 B. DCMR Context Groups:

**CID newCID1 Head and/or Neck Primary Anatomic Structure**

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** HeadNeckPrimaryAnatomicStructure  
**FHIR Keyword:** dicom-cid- newCID1-HeadNeckPrimaryAnatomicStructure  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID1

**Table CID newCID1. Head and/or Neck Primary Anatomic Structure**

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89545001	Face		C0015450
SCT	74262004	Oral cavity		C0226896
SCT	88176008	Lower dental arch		C0227027
SCT	39481002	Upper dental arch		C0227026
SCT	261063000	Buccal space		C0444575

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	7652006	Frenulum of lip		C0022861

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60 **CID newCID2 VL View**

61 **Resources:** [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)  
62 **Keyword:** VLView  
63 **FHIR Keyword:** dicom-cid- newCID2-VLView  
64 **Type:** Extensible  
65 **Version:** yyyymmdd  
66 **UID:** 1.2.840.10008.newUID2

67 **Table CID newCID2. VL View**

68

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	399033003	Frontal projection		C0442223
SCT	399173006	Left lateral projection		C0442198
SCT	260421001	Left lateral oblique		C0442289
SCT	399198007	Right lateral projection		C0442202
SCT	260424009	Right lateral oblique		C0442292
SCT	399182000	Oblique projection		C0442287
SCT	260454004	45 degree projection		C0442224
SCT	260427002	Oblique lateral		C0442295
SCT	399255003	Submentovertical projection		
SCT	260461000	Vertex projection		

69

70 **CID newCID3 VL Dental View**

71 **Resources:** [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)  
72 **Keyword:** VLDentalView  
73 **FHIR Keyword:** dicom-cid- newCID3-VLDentalView  
74 **Type:** Extensible  
75 **Version:** yyyymmdd  
76 **UID:** 1.2.840.10008.newUID3

77 **Table CID newCID3. VL Dental View**

78



Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	260499007	Occlusal projection		C0442276

79

80 **CID newCID4 VL View Modifier**

81 **Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
82 **Keyword:** VLViewModifier  
83 **FHIR Keyword:** dicom-cid- newCID4-VLViewModifier  
84 **Type:** Extensible  
85 **Version:** yyyymmdd  
86 **UID:** 1.2.840.10008.newUID4

87 **Table CID newCID4. VL View Modifier**

88

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	789135000	Mirrored image uncorrected		C5230360
SCT	789134001	Mirrored image uncorrected flipped horizontally		C5230389
SCT	789132002	Mirrored image uncorrected flipped horizontally and vertically		C5230358
SCT	789133007	Mirrored image uncorrected flipped vertically		C5230359

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90 **CID newCID5 VL Dental View Modifier**

91 **Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
92 **Keyword:** VLDentalViewModifier  
93 **FHIR Keyword:** dicom-cid- newCID5-VLDentalViewModifier  
94 **Type:** Extensible  
95 **Version:** yyyymmdd  
96 **UID:** 1.2.840.10008.newUID5

97 **Table CID newCID5. VL Dental View Modifier**

98

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	789131009	Close up photographic view of teeth without magnification		C5230357

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	787610003	Mirrored photo image intraoral corrected		C5192865
SCT	789310004	Mirrored photo image of teeth corrected flipped horizontally		C5230459
SCT	789311000	Mirrored photo image of teeth corrected flipped vertically		C5230460
SCT	789312007	Mirrored photo image of teeth corrected rotated 180 deg		C5230461
SCT	787612006	Photo image extraoral with 45 degree view		
SCT	787611004	Photo image extraoral with mandible postured forward		
SCT	789313002	Photo image of anterior teeth		
SCT	789314008	Photo image of face with lips in relaxed position		
SCT	787607005	Photo image with lips closed		
SCT	789130005	Photo image with mouth partially opened and teeth apart		

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100 **CID newCID6 Orthognathic Functional Conditions**

101 **Resources:** [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)  
102 **Keyword:** OrthognathicFunctionalConditions  
103 **FHIR Keyword:** dicom-cid- newCID6-OrthognathicFunctionalConditions  
104 **Type:** Extensible  
105 **Version:** yyyyymmdd  
106 **UID:** 1.2.840.10008.newUID6

107 **Table CID newCID6. Orthognathic Functional Conditions**  
108

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1336028006	Upper and lower lips in relaxed position		
SCT	1332210001	Mouth in partially open position		
SCT	1336026005	Mandible postured forwards		
SCT	1336029003	Upper and lower lips in closed position		
SCT	225583004	Smiles		C0517048
SCT	262016004	Open Mouth		C0240379

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#### 110 CID newCID7 Finding by Inspection

111 **Resources:** [HTML](#) | [FHIR JSON](#) | [FHIR XML](#) | [IHE SVS XML](#)  
112 **Keyword:** [FindingByInspection](#)  
113 **FHIR Keyword:** [dicom-cid-newCID7-FindingByInspection](#)  
114 **Type:** [Extensible](#)  
115 **Version:** [yyyymmdd](#)  
116 **UID:** [1.2.840.10008.newUID7](#)

#### 117 Table CID newCID7. Finding by Inspection

118

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	276470008	Skin mark		C0455957
SCT	341000119102	Tattoo of skin		C1366940
SCT	4356008	Gingival recession		C0017572
SCT	710793000	Cant of occlusal plane		C4038832
SCT	1264188003	Tattoo of left buccal mucosa		
SCT	1264193000	Tattoo of right buccal mucosa		
SCT	1260043007	Tattoo of mucosa of soft palate		
SCT	1260047008	Tattoo of labial mucosa of lower lip		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1260049006	Tattoo of labial mucosa of upper lip		

#### CID newCID8 Orthodontic Observable Entities

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** ObservableEntities  
**FHIR Keyword:** dicom-cid- newCID8-ObservableEntities  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID8

Table CID newCID8. Orthodontic Observable Entities

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	193093009	Bell's palsy		C0376175
SCT	110343009	Tongue thrust		

*Note other SCT codes that describe or explain an observable artifact may be used.*

#### CID newCID9 Dental Occlusion

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** DentalOcclusion  
**FHIR Keyword:** dicom-cid- newCID9-DentalOcclusion  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID9

Table CID newCID9. Dental Occlusion

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	110320000	Centric occlusion		C1268896
SCT	736783005	Centric relation		C0007702

#### CID newCID10 Orthodontic Treatment Progress

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** OrthodonticTreatmentProgress  
**FHIR Keyword:** dicom-cid- newCID10-OrthodonticTreatmentProgress  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID10

Table CID newCID10. Orthodontic Treatment Progress

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
<i>Include CID 280 "Longitudinal Temporal Event Type"</i>				
SCT	184047000	Patient registration	SCT	184047000
SCT	1332161000	Orthodontic Treatment started	SCT	1332161000
SCT	1340210007	Orthodontic Treatment stopped	SCT	1340210007

#### CID newCID11 General Photography Device

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** GeneralPhotographyDevice  
**FHIR Keyword:** dicom-cid- newCID11-GeneralPhotographyDevice  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID11

Table CID newCID11. General Photography Device

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
<i>Include CID 280 "Longitudinal Temporal Event Type"</i>				
<i>Include CID newCID12 "Dental Photography Device"</i>				

#### CID newCID12 Devices for the Purpose of Dental Photography

**Resources:** HTML | FHIR JSON | FHIR XML | IHE SVS XML  
**Keyword:** DevicesForThePurposeOfDentalPhotography  
**FHIR Keyword:** dicom-cid- newCID12-DevicesForThePurposeOfDentalPhotography  
**Type:** Extensible  
**Version:** yyyymmdd  
**UID:** 1.2.840.10008.newUID12

Table CID newCID12. Devices for the Purpose of Dental Photography

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	462735007	Periodontal probe		C62058
SCT	102304005	Measuring Ruler		
SCT	39802000	Tongue blade		
SCT	53535004	Retractor		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	1332162007	Intraoral photography mirror		
SCT	1332163002	Dental photography black contraster		
SCT	1332164008	Photographic image fiducial marker		

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170 Add the following to PS3.16 O SNOMED Concept ID to SNOMED ID Mapping.

171 Editorial Note: This content is automatically generated by the DICOM publication tooling. However, for  
172 this CP, it is provided to establish a list of SNOMED codes added to DICOM.

### 173 O SNOMED Concept ID to SNOMED ID Mapping

174 Table O-1. SNOMED Concept ID to SNOMED ID Mapping  
175

Concept ID (SCT)	SNOMED ID (SRT)	SNOMED Fully Specified Name
...		
462735007		Periodontal probe (physical object)
39802000		Tongue blade, device (physical object)
53535004		Retractor, device (physical object)
1332162007		Intraoral photography mirror (physical object)
1332163002		Dental photography black contraster (physical object)
1332164008		Photographic image fiducial marker (physical object)
1340210007		Orthodontic treatment stopped (situation)
1332161000		Orthodontic treatment started (situation)
184047000		Patient registration (procedure)
736783005		Centric relation (observable entity)
110320000		Centric occlusion (observable entity)
110343009		Tongue thrust (observable entity)
193093009		Bell's palsy (disorder)

1260049006		Local exogenous pigmentation of mucous membrane of upper lip (disorder)
1260047008		Local exogenous pigmentation of mucous membrane of lower lip (disorder)
1260043007		Local exogenous pigmentation of mucosa of soft palate (disorder)
1264193000		Local exogenous pigmentation of right buccal mucosa (disorder)
1264188003		Local exogenous pigmentation of left buccal mucosa (disorder)
710793000		Cant of occlusal plane (observable entity)
4356008		Gingival recession (disorder)
341000119102		Tattoo of skin (finding)
276470008		Skin mark (disorder)
262016004		Open mouth (finding)
225583004		Smiles (finding)
1336029003		Upper and lower lips in closed position (finding)
1336026005		Mandible postured forward (finding)
1332210001		Mouth in partially open position (finding)
1336028006		Upper and lower lips in relaxed position (finding)
789130005		Photographic image with mouth partially opened position and teeth apart (record artifact)
787607005		Photographic image with lips closed (record artifact)
789314008		Photographic image of face with lips in relaxed position (record artifact)
789313002		Photographic image of anterior teeth (record artifact)
787611004		Photographic image extraoral with mandible postured forward (record artifact)
787612006		Photographic image extraoral with 45 degree view (record artifact)
789312007		Mirrored photographic image of teeth corrected flipped vertically and horizontally (record artifact)

789311000		Mirrored photographic image of teeth corrected flipped vertically (record artifact)
789310004		Mirrored photographic image of teeth corrected flipped horizontally (record artifact)
787610003		Mirrored photographic image of teeth corrected flipped horizontally (record artifact)
789131009		Close up photographic view of teeth with no set magnification or distance (record artifact)
789133007		Mirrored visible image uncorrected flipped vertically (record artifact)
789132002		Mirrored visible image uncorrected flipped horizontally and vertically (record artifact)
789134001		Mirrored visible image uncorrected flipped horizontally (record artifact)
789135000		Mirrored visible image uncorrected (record artifact)
260461000		Vertex projection (qualifier value)
260454004		45 degree projection (qualifier value)
260424009		Right lateral oblique (qualifier value)
260421001		Left lateral oblique (qualifier value)
7652006		Structure of frenulum labii (body structure)
261063000		Structure of buccal space (body structure)

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177 *Modify PS3.6 Table A-3. Context Group UID Values as follows:*

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**Table A-3. Context Group UID Values**

Context Group UID	Context Group Identifier	Context Group Name	Comment
1.2.840.10008.newUID1	CID newCID1	Head and/or Neck Primary Anatomic Structure	
1.2.840.10008.newUID2	CID newCID2	VL View	
1.2.840.10008.newUID3	CID newCID3	VL Dental View	
1.2.840.10008.newUID4	CID newCID4	VL View Modifier	
1.2.840.10008.newUID5	CID newCID5	VL Dental View Modifier	



Context Group UID	Context Group Identifier	Context Group Name	Comment
1.2.840.10008.newUID6	CID newCID6	Orthognathic Functional Conditions	
1.2.840.10008.newUID7	CID newCID7	Finding by Inspection	
1.2.840.10008.newUID8	CID newCID8	Observable Entities	
1.2.840.10008.newUID9	CID newCID9	Dental Occlusion	
1.2.840.10008.newUID10	CID newCID10	Orthodontic Treatment Progress	
1.2.840.10008.newUID11	CID newCID11	General Photography Device	
1.2.840.10008.newUID12	CID newCID12	Devices for the Purpose of Dental Photography	

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