

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2025/01/11
Person Assigned	Kevin O'Donnell
Submitter Name	Kevin O'Donnell
Submission Date	2024/10/31

Correction Number	CP-2475
Log Summary:	Add Text Findings to Indications in additional Ultrasound SR Templates
Name of Standard	PS 3.16
Rationale for Correction:	<p>Several Ultrasound templates include Indications for Procedure:</p> <ul style="list-style-type: none"> TID 3300 Stress Testing Report TID 5220 Pediatric, Fetal and Congenital Cardiac Ultrasound Reports TID 12000 General Ultrasound Report <p>This is broadly useful.</p> <p>A sub-template for indications is factored out and included in three more Ultrasound Report Templates:</p> <ul style="list-style-type: none"> TID 5000 OB-GYN Ultrasound Procedure Report TID 5100 Vascular Ultrasound Report TID 5200 Echocardiography Procedure Report
Correction Wording:	

Commented [KO1]: Update
Add Indications to additional Ultrasound SR Templates

Factor out an Indications sub-template in PS3.16 as shown

TID NEWTID1 INDICATIONS FOR PROCEDURE

Type: Extensible
Order: Significant
Root: No

Table TID Newtid1. Parameters

Parameter Name	Parameter Usage
\$Findings	A defined CID of code values for Finding

Table TID Newtid1. Indications for Procedure

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	M		
2	>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		\$Findings

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		

Modify PS3.16 TID 3300 to refactor as shown (no normative impact)

TID 3300 STRESS TESTING REPORT

The Stress Testing Report Template is the root structure for the representation of measurements and findings of a stress testing procedure.

Type: Extensible
Order: Significant
Root: Yes

Table TID 3300. Stress Testing Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (18752-6, LN, "Stress Testing Report")	1	M		Root Node
2	>	HAS CONCEPT MOD	CODE	EV (121058, DCM, "Procedure reported")	1	M		BCID 3200 "Stress Test Procedure"
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	M		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1002 "Observer Context"	1-n	M		
5	≥	CONTAINS	INCLUDE	DTID newtid1 "Indications for Procedure"	1	U		\$Findings=DCID 3201 "Indications for Stress Test"
5	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	4	U		
6	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 3201 "Indications for Stress Test"
7	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	4	U		
8	>	CONTAINS	INCLUDE	DTID 3602 "Cardiovascular Patient Characteristics"	1	M		
9	>	CONTAINS	INCLUDE	DTID 3802 "Cardiovascular Patient History"	1	U		
...								

Modify PS3.16 TID 5220 to refactor as shown (no normative impact)

TID 5220 PEDIATRIC, FETAL AND CONGENITAL CARDIAC ULTRASOUND REPORTS

This Template forms the top of a Content Tree that allows an ultrasound application to describe the results of a Cardiac Ultrasound imaging procedure. It is instantiated at the root node.

Type: Extensible
Order: Significant
Root: Yes

Table TID 5220. Pediatric, Fetal and Congenital Cardiac Ultrasound Reports

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DCID 12245 "Cardiac Ultrasound Report Title"	1	M		Root Node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	M		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		
4	≥	CONTAINS	INCLUDE	DTID newtid1 "Indications for Procedure"	1	U		\$Findings=DCID 12246 "Cardiac Ultrasound Indication for Study"
4	>	CONTAINS	CONTAINER	EV (18785-6, LN, "Indications for Procedure")	1	U		
5	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		DCID 12246 "Cardiac Ultrasound Indication for Study"
6	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
7	>	CONTAINS	INCLUDE	DTID 3802 "Cardiovascular Patient History"	1	U		
8	>	CONTAINS	INCLUDE	DTID 3602 "Cardiovascular Patient Characteristics"	1	U		
...								

Modify PS3.16 TID 12000 to refactor as shown (no normative impact)

TID 12000 GENERAL ULTRASOUND REPORT

This is the Template for the root of the Content Tree for a general ultrasound procedure report.

Type: Extensible
 Order: Significant
 Root: Yes

Table TID 12000. General Ultrasound Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 12320 "General Ultrasound Report Document Title"	1	M		Root Node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		
4	>	CONTAINS	INCLUDE	DTID 12001 "Ultrasound Patient Characteristics"	1	U		
...								
9	>	CONTAINS	CONTAIN	EV (18785-6, LN, "Indications	1	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
			ER	for Procedure")				
10	>>	CONTAINS	INCLUDE	DTID newtid1 "Indications for Procedure"	1	U		\$Findings= BCID 6051 "Breast Procedure Reason" BCID 12246 "Cardiac Ultrasound Indication for Study" BCID 12325 "Liver Ultrasound Study Indication"
40	>>	CONTAINS	CODE	EV (121071, DCM, "Finding")	1-n	U		BCID 6051 "Breast Procedure Reason" BCID 12246 "Cardiac Ultrasound Indication for Study" BCID 12325 "Liver Ultrasound Study Indication"
44	>>	CONTAINS	TEXT	EV (121071, DCM, "Finding")	1	U		
12	>	CONTAINS	CONTAINER	EV (59776-5, LN, "Findings")	1-n	U		
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Content Item Descriptions

Row 10	Baseline CIDs are provided for indications for Breast, Cardiac, and Liver procedures, but this does not preclude indications for other relevant ultrasound procedures.
Row 12	This container permits capturing findings that do not appropriately fit in one of the sections that follow.

Modify PS3.16 TID 5000 to include optional Indications as shown

TID 5000 OB-GYN ULTRASOUND PROCEDURE REPORT

This is the Template for the root of the Content Tree for the OB-GYN ultrasound procedure report.

Type: Extensible
Order: Significant
Root: Yes

Table TID 5000. OB-GYN Ultrasound Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 12024 "OB-GYN Ultrasound Report Document Title"	1	M		Root Node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	U		
2b	>	HAS ACQ CONTEXT	CODE	EV (125203, DCM, "Acquisition Protocol")	1-n	U		DCID 12025 "OB-GYN Ultrasound Beam Path"
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3 b	≥	CONTAINS	INCLUDE	DTID newtid1 "Indications for Procedure"	1	<u>U</u>		
4	>	CONTAINS	INCLUDE	DTID 5001 "OB-GYN Patient Characteristics"	1	U		
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Modify PS3.16 TID 5100 to include optional Indications as shown and fix Root Node text

TID 5100 VASCULAR ULTRASOUND REPORT

This is the Template for the **root** of the Content Tree for the vascular ultrasound procedure report.

Type: Extensible
Order: Significant
Root: NoYes

Table TID 5100. Vascular Ultrasound Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	BCID 12100 "Vascular Ultrasound Report Document Title"	1	M		Root Node
2	>	HAS OBS CONTEXT	CODE	EV (307152002, SCT, "Temporal periods Relating to Procedure")	1	U		DCID 12102 "Temporal Period Relating to Procedure or Therapy"
3	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	U		
4	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		
4 b	≥	CONTAINS	INCLUDE	DTID newtid1 "Indications for Procedure"	1	<u>U</u>		
5	>	CONTAINS	INCLUDE	DTID 5101 "Vascular Patient Characteristics"	1	U		
...								

Modify PS3.16 TID 5200 to include optional Indications as shown

TID 5200 ECHOCARDIOGRAPHY PROCEDURE REPORT

This Template forms the top of a Content Tree that allows an ultrasound device to describe the results of an adult echocardiography imaging procedure. It is instantiated at the root node. It can also be included in other Templates that need to incorporate echocardiography findings into another report as quoted evidence.

Type: Extensible
Order: Significant
Root: Yes

Table TID 5200. Echocardiography Procedure Report

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125200, DCM, "Adult Echocardiography Procedure Report")	1	M		Root Node
2	>	HAS CONCEPT MOD	INCLUDE	DTID 1204 "Language of Content Item and Descendants"	1	U		
3	>	HAS OBS CONTEXT	INCLUDE	DTID 1001 "Observation Context"	1	M		
<u>3</u> <u>b</u>	≥	<u>CONTAINS</u>	<u>INCLUDE</u>	<u>DTID newtid1 "Indications for Procedure"</u>	<u>1</u>	<u>U</u>		<u>\$Findings=DCID 12246 "Cardiac Ultrasound Indication for Study"</u>
4	>	CONTAINS	CONTAINER	DT (55111-9, LN, "Current Procedure Descriptions")	1	U		
...								