

DICOM Correction Item

Correction Number		CP-377
Log Summary: Support for OB-GYN Vascular Measurements		
Type of Modification	Name of Standard	
Correction / Clarification	PS 3.16 2003	
Rationale for Correction		
<p>It is necessary to be able to convey fetal and pelvic vasulature measurements in OB-GYN Ultrasound Procedure Reports but this is currently not supported by the OB-GYN Templates. This Change Proposal adds support for OB-GYN Vascular measurements to the OB-GYN Ultrasound Procedure Report based on the Templates for Vascular measurements from Supplement 71.</p> <p>This CP does not use the existing Templates from Supplement 71 for the following reasons:</p> <ul style="list-style-type: none">- Supplement 71 uses main section headings based on the specific Vasculature being measured. The normal convention for OB-GYN vascular measurements is to group the measurements depending on whether they are pelvic or fetal.- There needs to be a mechanism for identifying the particular fetus for a vascular measurement when there is more than one fetus. The Supplement 71 Templates do not have such a capability.- Supplement 71 Templates identify laterality at the level of the main section headings, the specific Vasculature being measured. The OB-GYN Templates do not do this so it is necessary to be able to identify the laterality for pelvic Vasculature at the level of the measurement instead.		
Sections of documents affected		
PS 3.16		
Correction Wording:		

Add OB-GYN Vasculature Section Templates for fetal and pelvic vasculature to TID 5000 OB-GYN Ultrasound Procedure Document Root Template:

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

**TID 5000
OB-GYN Ultrasound Procedure Report**

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
			...				
19>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1-n	U		
20>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, "Finding Site")	1	M		EV (T-F6800, SRT, "Embryonic Vascular Structure")
21>>	CONTAINS	INCLUDE	DTID (5025) OB-GYN Fetal Vascular Measurement Group	1	M		\$AnatomyGroup = DCID (12141) Fetal Vasculature
22>	CONTAINS	CONTAINER	EV (121070, DCM, "Findings")	1	U		
23>>	HAS CONCEPT MOD	CODE	EV (G-C0E3, SRT, "Finding Site")	1	M		EV (T-D6007, SRT, "Pelvic Vascular Structure")
24>>	CONTAINS	INCLUDE	DTID (5026) OB-GYN Pelvic Vascular Measurement Group	1	M		\$AnatomyGroup = DCID (12140) Pelvic Vasculature Anatomical Location

Add a new Template,, TID 5025 OB-GYN Fetal Vascular Ultrasound Measurement Group:

TID 5025 OB-GYN Fetal Vascular Ultrasound Measurement Group

This template is an anatomy specific container of OB-GYN fetal vascular measurements.

Parameter Name	Parameter Usage
\$AnatomyGroup	The concept name of the vascular anatomy

Type: Extensible

**TID 5025
OB-GYN FETAL VASCULAR ULTRASOUND MEASUREMENT GROUP**

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1		CONTAINER	\$AnatomyGroup	1	M		
2	> HAS OBS CONTEXT	INCLUDE	DTID (1008) Subject Context, Fetus	1	MC	IF this template is invoked more than once to describe more than one fetus	
3	> HAS CONCEPT MOD	CODE	EV (G-C171, SRT "Laterality")	1	MC	IFF anatomy has laterality	DCID (244) Laterality

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		\$MeasType = DCID (12119) Vascular Ultrasound Property \$Derivation = DCID (3627) Measurement Type

Content Item Descriptions

Anatomy Group	Specifies the anatomical context of the observations in the group.
----------------------	---

Add a new Template, TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group:

TID 5026 OB-GYN Pelvic Vascular Ultrasound Measurement Group

This template is an anatomy specific container of OB-GYN pelvic vascular measurements.

Parameter Name	Parameter Usage
\$AnatomyGroup	The concept name of the vascular anatomy

Type: Extensible

TID 5026

OB-GYN PELVIC VASCULAR ULTRASOUND MEASUREMENT GROUP

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	\$AnatomyGroup	1	M		
2	>	HAS CONCEPT MOD	CODE	EV (G-C171, SRT, "Laterality")	1	MC	IFF anatomy has laterality	DCID (244) Laterality
3	>	HAS CONCEPT MOD	TEXT	(112050, DCM, "Anatomic Identifier")	1	U		
4	>	CONTAINS	INCLUDE	DTID (300) Measurement	1-n	M		\$MeasType = DCID (12119) Vascular Ultrasound Property \$Derivation = DCID (3627) Measurement Type

Content Item Descriptions

Row 1	Specifies the anatomical context of the observations in the group.
Row 3	Differentiates between multiple structures such as the two umbilical arteries.

Add a new Context Group, 12140 Pelvic Vasculature Anatomical Location:

CONTEXT GROUP 12140 – Pelvic Vasculature Anatomical Location

Context ID 12140

Pelvic Vasculature Anatomical Location

Type: Extensible

Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-F1810	Umbilical Artery
SRT	T-F1820	Umbilical Vein
SRT	T-46980	Ovarian Artery
SRT	T-48780	Ovarian Vein
SRT	T-46820	Uterine Artery
SRT	T-49010	Uterine Vein
SRT	T-F1412	Vitelline Artery of Placenta
SRT	T-F1413	Vitelline Vein of Placenta
SRT	T-46710	Common Iliac Artery

Add a new Context Group, 12141 Fetal Vasculature Anatomical Location:

CONTEXT GROUP 12141 – Fetal Vasculature Anatomical Location

Context ID 12141

Fetal Vasculature Anatomical Location

Type: Extensible

Version: 20040322

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SRT	T-42000	Aorta
SRT	T-D0765	Descending Aorta
SRT	T-45600	Middle Cerebral Artery
SRT	T-48581	Pulmonary Vein
SRT	T-44000	Pulmonary Artery