

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2024/09/16
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Correction Number	CP-2452
Log Summary:	Add Estimated Delivery Date to TID 5008
Name of Standard	PS3.16
Rationale for Correction:	TID 5008 Fetal Biometry Group includes Gestational Age, but not Estimated Delivery date as in Table TID 5225. Cardiac Ultrasound Fetal Characteristics. This CP adds Estimated Delivery Date to TID 5008 as User Optional and spells out the acronym "EDD" in TID 5225.
Correction Wording:	

Modify TID 5008 Fetal Biometry Group as follows:

TID 5008 Fetal Biometry Group

The Biometry Group Template is container for a biometric value and its associated growth metrics.

Table TID 5008. Parameters

Parameter Name	Parameter Usage
\$BiometryType	The concept name of the biometry measurement
\$TargetSite	Value for Anatomic Location of the biometry measurement

Type: Extensible
Order: Significant
Root: No

Table TID 5008. Fetal Biometry Group

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	DT (125005, DCM, "Biometry Group")	1	M		
2	>	CONTAINS	INCLUDE	DTID 300 "Measurement"	1-n	MC	At least one of Row 2 and 3 shall be present	\$Measurement = \$BiometryType

NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint	
							\$TargetSite = \$TargetSite \$Derivation = DCID 3627 "Measurement Type"	
3	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	MC	At least one of Row 2 and 3 shall be present	UNITS = EV (d, UCUM, "days")
4	>>	INFERRED FROM	CODE	DCID 228 "Equation or Table"	1	U		DCID 12013 "Gestational Age Equation/Table"
5	>>	R-INFERRED FROM	NUM		1-n	U		
6	>>	HAS PROPERTIES	NUM	DCID 226 "Population Statistical Descriptor"	1-n	U		
7	>	CONTAINS	NUM	DCID 12017 "Growth Distribution Rank"	1	U		
8	>>	INFERRED FROM	CODE	DCID 228 "Equation or Table"	1	U		DCID 12015 "Fetal Growth Equation/Table"
9	≥	CONTAINS	DATE	EV (11778-8, LN, "Estimated Delivery Date")	1	U		

Commented [NS1]: <https://loinc.org/11778-8>

Content Item Descriptions

Row 1	Container to segregate biometry data by measurement type
Row 2	The discrete measurements of the biometry type including derived measurements such as mean. One of the measurements may be flagged as selected for derived measurements. The anatomic location may be precoordinated in the measurement type, but may also be explicitly conveyed in the \$TargetSite parameter, which then also allows laterality to be encoded within TID 300 "Measurement".
Row 3	The estimated gestational age derived from an equation or table based on the explicitly referenced R-INFERRED FROM Content Item, selected measurement or mean, in that order of preference.
Row 4	The reference that defines the equation or table of GA derivation
Row 6	The uncertainty/confidence limits of the gestational age
Row 7	Expresses the rank of the selected or mean measurement of Row 2 relative to the distribution specified in Row 8.
Row 8	This row specifies the CODE reference used to compute the percentile or Z-score.

Modify TID 5225 Cardiac Ultrasound Fetal Characteristics as follows:

TID 5225 Cardiac Ultrasound Fetal Characteristics

Contains a list of Fetus Specific characteristics.

Type: **Extensible**

Order: Significant
 Root: No

Table TID 5225. Cardiac Ultrasound Fetal Characteristics

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (125015, DCM, "Fetus Characteristics")	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	>	CONTAINS	NUM	EV (18185-9, LN, "Gestational Age")	1	U		UNITS = DCID 7456 "Age Unit"
4	>	CONTAINS	DATE	EV (11778-8, LN, " <u>EDD</u> Estimated Delivery Date")	1	U		
5	>	CONTAINS	NUM	EV (8867-4, LN, "Heart Rate")	1	U		