

1	Status	Final Text
2	Date of Last Update	2016/05/25
3	Person Assigned	David Clunie
4		mailto:dclunie@dclunie.com
5	Submitter Name	Damien Lerat
6		mailto:damien.lerat@supersonicimagine.com
7	Submission Date	2015/09/24

8	Correction Number CP-1546	
9	Log Summary: Incorrect LOINC code for Estimated Fetal Weight Percentile for Hadlock	
10	Name of Standard	
11	PS3.16 2016b	
12	Rationale for Correction:	
13	The code 33183-5 used in CID 12016 "Estimated Fetal Weight Percentile Equations and Tables" is described in LOINC not as "FWP by GA, Hadlock 1991" but as "Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991 (US)".	
14		
15		
16	The LOINC reference to Campbell 1991 (as distinct from Campbell 1975 and Campbell 1977 used in other LOINC codes), is thought to refer to:	
17		
18	Campbell WA, Nardi D, Vintzileos AM, Rodis JF, Turner GW, Egan JF. Transverse Cerebellar Diameter/Abdominal Circumference Ratio Throughout Pregnancy: A Gestational Age-Independent Method to Assess Fetal Growth. Obstetrics & Gynecology. 1991;77(6):893-6. Available at: http://journals.lww.com/greenjournal/Fulltext/1991/06000/Transverse_Cerebellar_Diameter_Abdominal.19.aspx .	
19		
20		
21		
22	There is no code listed in LOINC for "FWP by GA, Hadlock 1991", as distinct from Hadlock 1985; these methods are different and refer to different papers.	
23		
24	Accordingly, the use of LN:33183-5 in DICOM is retired, since its usage is historically ambiguous, new codes for the two methods are added, and a note is added to warn of the potential discrepancy and the need to consider the transmitted code meaning when interpreting LN:33183-5. The note is added to both the context group in which the code is used and Annex H, which summarizes the code meanings for LOINC codes used.	
25		
26		
27		
28	The code in LOINC, 33190-0, is "Fetal body weight growth percentile estimated from gestational age by method of Hadlock 1985", so the abbreviation in the code meaning should be "GA", not "MA".	
29		
30	Correction Wording:	

Amend DICOM PS3.16 as follows:

CID 12016 Estimated Fetal Weight Percentile Equations and Tables

These terms specify the population distribution for use in Z-score and percentile rank.

Type: Extensible
Version: ~~20030430~~20160525

Table CID 12016. Estimated Fetal Weight Percentile Equations and Tables

Coding Scheme Designator	Code Value	Code Meaning	UMLS Concept Unique ID
LN	33183-5	FWP by GA, Hadlock 1991	G1315654
DCM	128040	FWP by GA, Campbell, 1991	
DCM	128041	FWP by GA, Hadlock, 1991	
LN	33184-3	FWP by GA, Williams, 1982	C1315655
LN	33185-0	FWP by GA, Alexander, 1996	C1315656
LN	33186-8	Male Singleton BWP by GA, Arbuckle 1993	C1315657
LN	33187-6	Female Singleton BWP by GA, Arbuckle 1993	C1315658
LN	33199-1	Male Twins BWP by GA, Arbuckle 1993	C1315670
LN	33188-4	Female Twins BWP by GA, Arbuckle 1993	C1315659
LN	33189-2	FWP by GA, Brenner 1976	C1315660
LN	33190-0	FWP by MGA, Hadlock 1985	C1315661

Note

LN:33183-5 was previously included in this context group with a Code Meaning of "FWP by GA, Hadlock 1991", but is described in LOINC as "Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991 (US)". Devices receiving LN:33183-5 may need to consult the Code Meaning value to determine whether the sender meant Hadlock 1991 or Campbell 1991. New codes have been defined to replace LN:33183-5 to resolve the potential ambiguity.

D DICOM Controlled Terminology Definitions (Normative)

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
...
128040	FWP by GA, Campbell, 1991	Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991. See Campbell WA, Nardi D, Vintzileos AM, Rodis JF, Turner GW, Egan JF. Transverse Cerebellar Diameter/Abdominal Circumference Ratio Throughout Pregnancy: A Gestational Age-Independent Method to Assess Fetal Growth. <i>Obstetrics & Gynecology</i> . 1991;77(6):893-6. Available at: http://journals.lww.com/greenjournal/Fulltext/1991/06000/Transverse_Cerebellar_Diameter_Abdominal.19.aspx .	Replaces the use of LN:33183-5.

Code Value	Code Meaning	Definition	Notes
<u>128041</u>	<u>FWP by GA, Hadlock, 1991</u>	<u>Fetal body weight growth percentile estimated from gestational age by method of Hadlock 1991.</u> <u>See Hadlock FP, Harrist RB, Martinez-Poyer J. In utero analysis of fetal growth: a sonographic weight standard. Radiology. 1991 Oct 1;181(1):129-33. DOI:10.1148/radiology.181.1.1887021. Available at: http://dx.doi.org/10.1148/radiology.181.1.1887021.</u>	<u>Replaces the incorrect use of LN:33183-5.</u>

H Code Meanings of LOINC Codes in DCMR

Table H-1. Code Meanings of LOINC Codes

Code Value	Code Meaning
<u>33183-5</u>	<u>FWP by GA, Hadlock 1991</u>
33190-0	FWP by <u>MGA</u> , Hadlock 1985

Note

LN:33183-5 was previously included in this table with a Code Meaning of "FWP by GA, Hadlock 1991", but is described in LOINC as "Fetal body weight growth percentile estimated from gestational age by method of Campbell 1991 (US)". Devices receiving LN:33183-5 may need to consult the Code Meaning value to determine whether the sender meant Hadlock 1991 or Campbell 1991.