Digital Imaging and Communications in Medicine (DICOM)

Supplement 249: Ultrasound Fetal Anatomy Survey Structured Report Extensions

DICOM Standards Committee – Working Group 12

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Developed pursuant to DICOM Work Item 2025-05-A

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Scope and Field

This supplement to the DICOM Standard introduces new SR template content to address fetal anatomy survey assessments in ultrasound reports. Specifically, a sub-template is added to TID 5000 along with corresponding CIDs to address the anatomy of interest and assessments for each.

Clinical guidelines from the International Society of Ultrasound in Obstetrics and Gynecology (ISUOG) call for a survey of fetal anatomy in the first, second, and third trimesters to identify structural anomalies. In Japan, JSUM guidelines call for first and second trimester anatomy surveys. The guidelines identify specific lists of anatomy to consider. E.g.

- https://www.isuog.org/static/f465db45-655c-42eb-96a196bcd2d34547/ISUOG-Practice-Guidelines-Updated-performance-of-11-14-week-ultrasound-scan.pdf
- https://www.isuog.org/static/4e2ed89e-fa8a-42c2-9c0929cd89cb58ff/ISUOG-Practice-Guidelines-routine-mid-trimester-fetal-ultrasound.pdf
- https://www.isuog.org/static/47b32c42-6727-4888-b4fe349005111180/Ultrasound-in-Obstet-Gyne-2024-Khalil-ISUOG-Practice-Guidelines-performance-of-thirdtrimester-obstetric.pdf
- https://journals.sagepub.com/doi/epub/10.1177/8756479314532221

CLOSED ISSUES:

Q1. Should newTID1 allow creators to arbitrarily create and label subsections?

A. No.

The anatomy survey is a flat list of assessments (with no subsections). If the system doing the display wants to group them, it can do that using its own table of what codes go together and what to call the subgroups. If we allow subsections, then report structure will become non-standard and display applications and other consumers will need to explore navigate the structure of each report to find specific items.

Q2. Should a new Normal-Abnormal CID be created with a variety of codes for Undetermined?

A. No.

CID 242 is deliberately non-extensible to keep things simple. Receiving systems don't get unexpected flavors of Null, instead details of interest are recorded in the Comment.

Additional codes could express many reasons that the normality was undetermined. E.g., that the anatomy did not appear in any images, or that it did appear but was not high enough quality, or the operator was not confident in the assessment, or local practice is not to assess that anatomy, or the operator did not have time to make the assessment, etc. etc. Then applications would need to extend their software to handle those various flavors.

Q3. Is there a need to encode the criteria used by the operator to assess the normality of each piece of anatomy? (E.g. the spine was assessed in terms of shape, continuity, and lack of defects).

A. No, not the criteria. But a top-level reference to guideline documents is included.

The guidelines provide some guidance (which will vary over time and country) but the operator may look at a variety of things which may go beyond the guidance. Anything of interest will be noted in the Comments.

Q4. Is it OK if a couple CID codes are not strictly pieces of anatomy (e.g. “four chamber view” (of heart))?

A. Yes. That’s OK.

They are an assessment conducted during a Fetal Anatomy Survey.

Q5. Should assessments that are qualitative (i.e. not just normal/abnormal) go in newtid1?

A. No.

Keep this survey uniform. Can do CPs to existing or other new sections to add things like Placenta Location (previa, low lying, etc), Placenta Grade (0 to 3), Placenta Cord Insertion Abnormalities (Velamentous, vasa previa, etc), Cardiac Size (mild/mod/severe increased/decreased), Cardiac function (mild/mod/severe impairment of contractility), Fetal Position (breech, oblique, etc), Presence of Funneling or Cerclage, Cervix description, etc.

Q6. Should an ultrasound view be coded for each assessment?

A. No.

Tying assessments to specific views would be a lot of work for operators and likely not that useful. They do use different views for different assessments, but ultimately they get a view that works, and if they don't, they leave it unassessed.

Q7. Should the CIDs use anatomy codes that are children of (367570001, SCT, “Fetal part”)?

A. Perhaps not.

Basically, this pre-coordinates anatomy with developmental stage. Some anatomy changes during fetal, newborn, childhood, and/or adolescent stages. Will check with domain experts during Letter Ballot whether it is useful to keep fetal anatomy distinct in databases. Feedback is welcome.

If so, the SNOMED tree could be significantly expanded to cover most of the codes here and a mapping table of corresponding anatomy codes between fetal and adult, similar to PS3.16 Table L-4, could be created to facilitate consistent use.

Changes to NEMA Standards Publication PS3.6

Part 6: Data Dictionary

Add the following UID Values to Part 6 Annex A Table A-3:

TABLE A-3 CONTEXT GROUP UID VALUES

Context UID	Context Identifier	Context Group Name
...	...	…
1.2.840.10008.6.1.newcidUID1	**newcid1**	**Fetal Anatomy Survey Assessment**
1.2.840.10008.6.1.newcidUID2	**newcid2**	**Fetal Anatomy Survey Assessment - Head**
1.2.840.10008.6.1.newcidUID3	**newcid3**	**Fetal Anatomy Survey Assessment - Face and Neck**
1.2.840.10008.6.1.newcidUID4	**newcid4**	**Fetal Anatomy Survey Assessment - Thorax**
1.2.840.10008.6.1.newcidUID5	**newcid5**	**Fetal Anatomy Survey Assessment - Heart**
1.2.840.10008.6.1.newcidUID6	**newcid6**	**Fetal Anatomy Survey Assessment - Abdomen and Pelvis**
1.2.840.10008.6.1.newcidUID7	**newcid7**	**Fetal Anatomy Survey Assessment - Spine**
1.2.840.10008.6.1.newcidUID8	**newcid8**	**Fetal Anatomy Survey Assessment - Extremities**
1.2.840.10008.6.1.newcidUID9	**newcid9**	**Fetal Anatomy Survey Practice Guideline**
…		

Changes to NEMA Standards Publication PS3.16

Part 16: Content Mapping Resource

Modify PS3.16 TID 5000 as shown

115 **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

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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
…								
7	>	CONTAINS	INCLUDE	DTID 5002 “OB-GYN Procedure Summary Section”	1	U		
8	>	CONTAINS	INCLUDE	DTID 5004 “Fetal Biometry Ratio Section”	1-n	U		

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
9	>	CONTAINS	INCLUDE	DTID 5005 “Fetal Biometry Section”	1-n	U		
10	>	CONTAINS	INCLUDE	DTID 5006 “Fetal Long Bones Section”	1-n	U		
11	>	CONTAINS	INCLUDE	DTID 5007 “Fetal Cranium Section”	1-n	U		
12	>	CONTAINS	INCLUDE	DTID 5009 “Fetal Biophysical Profile Section”	1-n	U		
12a	**>**	**CONTAINS**	**INCLUDE**	**DTID newtid1 “Fetal Anatomy Survey Section”**	**1-n**	**U**		
12	>	CONTAINS	INCLUDE	DTID 5011 “Early Gestation Section”	1-n	U		
…								

Content Item Descriptions

Row 6	No purpose of reference is specified.
Row 12a	**The Fetal Anatomy Survey is qualitative, not quantitative. Any measurements and quantitative assessments will appear in other sections, such as the Fetal Biometry Section.**

Create *PS3.16 TID newtid1 as shown*

TID newtid1 Fetal Anatomy Survey Section

This Template contains assessments of fetal anatomy.

Type: **Extensible**
Order: **Non-Significant**
Root: **No**

Table TID newtid1. Fetal Anatomy Survey Section

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
1			CONTAINER	EV (newcode0, DCM, "Fetal Anatomy Survey")	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	

	NL	Rel with Parent	VT	Concept Name	VM	Req Type	Condition	Value Set Constraint
3	>	CONTAINS	CODE	EV (121406, DCM, “Reference Authority”)	1-n	U		BCID newcid4 Fetal Anatomy Survey Practice Guideline
4	>	CONTAINS	TEXT	EV (121406, DCM, “Reference Authority”)	1-n	U		
5	>	CONTAINS	CODE	DCID newcid1 “Fetal Anatomy Survey Assessment”	1-n	U		DCID 242 “Normal-Abnormal”
6	>>	HAS CONCEPT MOD	CODE	EV (272741003, SCT, "Laterality")	1	U		DCID 244 “Laterality”
7	>>	HAS PROPERTIES	TEXT	EV (121106, DCM, "Comment")	1	U		

Content Item Descriptions

Row 3, 4	References to guidance documents applied during the assessments in this section. Consistent assessment criteria are important for reproducible assessments. Guidance documents may provide assessment criteria such as a normal cardiac size means the heart fills roughly 1/3 of the thoracic space.
Row 5	The code (371934000, SCT, “Normality Undetermined”) from CID 242 can be used to represent concepts like “Not Visualized” or “Equivocal”. The comment in Row 7 can be used to elaborate further.
Row 7	Descriptive text about the assessment in Row 5. E.g. further details about an abnormal finding, or assessment criteria relevant to a normal or abnormal assessment, or reasons the normality was undetermined.

PS3.16 CID 242 included unmodified for reference

CID 242 Normal-Abnormal

This Context Group is a subset of CID 222 “Normality”.

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Type: **Non-Extensible**
Keyword: **NormalAbnormal**
FHIR Keyword: **dicom-cid-242-NormalAbnormal**
Version: **20170914**
UID: **1.2.840.10008.6.1.36**

Table CID 242. Normal-Abnormal

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	17621005	Normal	G-A460	C0205307
SCT	263654008	Abnormal	R-42037	C0205161
SCT	371934000	Normality Undetermined	R-0039B	C1299401

Create *PS3.16 newCIDs as shown*

Codes in the following CIDs with SCT highlighted in yellow have not previously been part of the DICOM-SNOMED code subset and will need to be added by the editor

CID newcid1 Fetal Anatomy Survey Assessment

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessment**
FHIR Keyword: **dicom-cid-newcid1-FetalAnatomySurveyAssessment**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid1**

Table CID newcid1. Fetal Anatomy Survey Assessment

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
Include CID newcid2 "Fetal Anatomy Survey Assessment - Head"				
Include CID newcid3 "Fetal Anatomy Survey Assessment - Face and Neck"				
Include CID newcid4 "Fetal Anatomy Survey Assessment - Thorax"				
Include CID newcid5 "Fetal Anatomy Survey Assessment - Heart"				
Include CID newcid6 "Fetal Anatomy Survey Assessment – Abdomen and Pelvis"				
Include CID newcid7 "Fetal Anatomy Survey Assessment - Spine"				
Include CID newcid8 "Fetal Anatomy Survey Assessment - Extremities"				
SCT	55460000	Fetal Structure		
SCT	78067005	Placenta	T-F1100	C0032043
SCT	29493001	Placental attachment of umbilical cord		
SCT	29870000	Umbilical Cord	T-F1800	C0041633
SCT	50536004	Umbilical artery	T-F1810	C0041632
SCT	28463900	Umbilical vein	T-48832	
DCM	Newcode2	Abdominal attachment of umbilical cord		
SCT	70847004	Amnion	T-F1300	
SCT	74439004	Chorion		
SCT	71252005	Cervix	T-83200	

CID newcid2 Fetal Anatomy Survey Assessment - Head

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessmentHead**

FHIR Keyword: **dicom-cid-newcid2-FetalAnatomySurveyAssessmentHead**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid2**

Table CID newcid2. Fetal Anatomy Survey Assessment - Head

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	89546000	Cranium	T-11100	
SCT	301312002	Head shape		
SCT	12738006	Brain	T-A0100	C0006104
SCT	80401008	Falx cerebri		
SCT	74968005	Cavum of septum pellucidum	T-A1630	C0228158
SCT	80621003	Choroid Plexus	T-A1900	
SCT	119406000	Thalamus	T-D0593	C0458271
SCT	119238007	Brain stem	T-D0558	C1268144
SCT	9000002	Cerebral peduncles		
SCT	80447000	Cerebral aqueduct	T-A1800	C0007769
SCT	66720007	Lateral cerebral ventricle	T-A1650	C0152279
SCT	49841001	Third ventricle	T-A1740	C0149555
SCT	35918002	Fourth ventricle	T-A1820	C0149556
SCT	11279006	Circle of Willis	T-45520	
SCT	113305005	Cerebellum	T-A6000	C0007765
SCT	88442005	Corpus callosum	T-A2700	C0010090
SCT	83678007	Cerebrum		
SCT	314139009	Cerebral lobe		
SCT	58501004	Cerebellar vermis		
SCT	32361000	Posterior fossa	T-D9310	
SCT	54165005	Cisterna magna	T-A1520	C0008841
LN	12102-0	Nuchal fold observation		

CID newcid3 Fetal Anatomy Survey Assessment – Face and Neck

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessmentFaceAndNeck**
FHIR Keyword: **dicom-cid-newcid3-FetalAnatomySurveyAssessmentFaceAndNeck**
Type: **Extensible**

Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid3**

Table CID newcid3. Fetal Anatomy Survey Assessment - Face and Neck

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	52795006	Forehead		
SCT	363654007	Orbit	T-D14AE	C0029180
SCT	81745001	Eyeball	T-AA770	C0229242
SCT	78076003	Eye Lens	T-AA700	C0023317
DCM	Newcode4	Midsagittal facial profile		
SCT	74386004	Nasal bone	T-11149	C0027422
SCT	45206002	Nose	T-21000	
SCT	1797002	Nostril		
SCT	72914001	Palate		
SCT	70925003	Maxilla	T-11170	C0024947
DCM	Newcode03	Retronasal triangle		
SCT	11681001	Upper lip		
SCT	32032005	Lower Lip		
SCT	91609006	Mandible	T-11180	C0024687
SCT	21974007	Tongue	T-53000	C0040408
SCT	117590005	Ear	T-AB001	
SCT	45048000	Neck	T-D1600	
SCT	1187337007	Jugular fossa		
LN	12102-0	Nuchal fold observation		

CID newcid4 Fetal Anatomy Survey Assessment - Thorax

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessmentThorax**
FHIR Keyword: **dicom-cid-newcid4-FetalAnatomySurveyAssessmentThorax**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid4**

Table CID newcid4. Fetal Anatomy Survey Assessment - Thorax

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	78904004	Thoracic wall	T-D3050	C0205076
SCT	816094009	Chest		
SCT	39607008	Lung		
SCT	5798000	Diaphragm	T-D3400	C0011980
SCT	113197003	Rib	T-11300	C0035561
SCT	9875009	Thymus	T-C8000	
SCT	44567001	Trachea	T-25000	C0040578

CID newcid5 Fetal Anatomy Survey Assessment - Heart

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessmentHeart**
FHIR Keyword: **dicom-cid-newcid5-FetalAnatomySurveyAssessmentHeart**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid5**

Table CID newcid5. Fetal Anatomy Survey Assessment - Heart

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	80891009	Heart	T-32000	C0018787
SCT	249044008	Fetal Heart Rhythm		
LN	11992-5	Fetal Heart Position		
DCM	Newcode6	Cardiac axis		
UMLS	C0744689	Heart size		
SCT	57034009	Aortic arch	T-42300	C0003489
SCT	48345005	Superior vena cava	T-48610	C0042459
SCT	64131007	Inferior vena cava	T-48710	C0042458
SCT	13418002	Left Ventricular Outflow Tract	T-32650	C0225912
SCT	44627009	Right Ventricular Outflow Tract	T-32550	C0225892
SCT	111287006	Tricuspid regurgitation	D3-29042	C0040961
SCT	589001	Interventricular septum	T-32410	C0225870
DCM	Newcode10	Antegrade ductus venosus		
SCT	21814001	Cardiac Ventricle		

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
DCM	131029	Four-chamber View		
DCM	131025	Three vessel view		
DCM	131026	Three vessel and trachea view		
DCM	131028	Left ventricular outflow tract view		
SCT	399195005	Right ventricular outflow tract view	G-039D	C1275831

CID newcid6 Fetal Anatomy Survey Assessment - Abdomen and Pelvis

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyAssessmentAbdomenAndPelvis**
FHIR Keyword: **dicom-cid-newcid6-FetalAnatomySurveyAssessmentAbdomenAndPelvis**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid6**

Table CID newcid6. Fetal Anatomy Survey Assessment – Abdomen and Pelvis

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	52731004	Abdominal cavity	T-D4010	
LN	12030-3	Abdominal wall observation		
SCT	69695003	Stomach	T-57000	C0038351
SCT	89837001	Bladder	T-74000	C0005682
SCT	300454005	Bladder size		
SCT	113276009	Bowel		
SCT	34402009	Rectum	T-59600	C0034896
SCT	23451007	Adrenal gland	T-B3000	C0001625
SCT	28231008	Gallbladder	T-63000	C0016976
SCT	10200004	Liver	T-62000	C0023884
SCT	64033007	Kidney		
SCT	2841007	Renal artery	T-46600	C0035065
SCT	78961009	Spleen	T-C3000	C0037993
SCT	87953007	Ureter	T-73000	C0041951
SCT	71934003	Genitalia		

CID newcid7 Fetal Anatomy Survey Assessment - Spine

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Keyword: FetalAnatomySurveyAssessmentSpine
FHIR Keyword: dicom-cid-newcid7-FetalAnatomySurveyAssessmentSpine
Type: Extensible
Version: yyyymmdd
UID: 1.2.840.10008.6.1.newuid7

Table CID newcid7. Fetal Anatomy Survey Assessment - Spine

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	421060004	Spine	T-D04FF	C0037949
SCT	122494005	Cervical Spine	T-11501	C0728985
SCT	122494006	Thoracic Spine	T-11502	C0581269
SCT	122494007	Lumbar Spine	T-11503	C0024091
SCT	699698002	Sacral Spine		

CID newcid8 Fetal Anatomy Survey Assessment - Extremities

Resources: HTML | FHIR JSON | FHIR XML | IHE SVS XML
Keyword: FetalAnatomySurveyAssessmentExtremities
FHIR Keyword: dicom-cid-newcid8-FetalAnatomySurveyAssessmentExtremities
Type: Extensible
Version: yyyymmdd
UID: 1.2.840.10008.6.1.newuid8

Table CID newcid8. Fetal Anatomy Survey Assessment - Extremities

Coding Scheme Designator	Code Value	Code Meaning	SNOMED-RT ID	UMLS Concept Unique ID
SCT	53120007	Upper limb	T-D8000	C1140618
SCT	40983000	Upper arm	T-D8200	
SCT	14975008	Forearm	T-D8500	
SCT	85562004	Hand	T-D8700	C0018563
SCT	70327001	All Fingers		
SCT	61685007	Lower limb	T-D9000	C0023216
SCT	71341001	Femur	T-12710	
SCT	30021000	Lower Leg	T-D9400	
SCT	56459004	Foot	T-D9700	C0016504
SCT	8671006	All Toes		

CID newcid9 Fetal Anatomy Survey Practice Guideline

Resources: **HTML | FHIR JSON | FHIR XML | IHE SVS XML**
Keyword: **FetalAnatomySurveyPracticeGuideline**
FHIR Keyword: **dicom-cid-newcid9-FetalAnatomySurveyPracticeGuideline**
Type: **Extensible**
Version: **yyyymmdd**
UID: **1.2.840.10008.6.1.newuid9**

Table CID newcid9. Fetal Anatomy Survey Practice Guideline

Coding Scheme Designator	Code Value	Code Meaning	
DCM	Newcode11	ISUOG 1st Trimester 2023	
DCM	Newcode12	ISUOG 2nd Trimester 2022	
DCM	Newcode13	ISUOG 3rd Trimester 2024	
DCM	Newcode14	JSUM Fetal Morphology 2022	
DCM	Newcode15	JDMS Fetal Anatomy 2014	

Add the following Definitions to Annex D

DICOM Code Definitions (Coding Scheme Designator "DCM" Coding Scheme Version "01")

Code Value	Code Meaning	Definition	Notes
…			
121406	Reference Authority	Bibliographic or clinical reference**, such as** for a description of a population of measurements.	
Newcode0	**Fetal Anatomy Survey**	**Report section for qualitative assessments of fetal anatomy**	
Newcode2	**Abdominal attachment of umbilical cord**	**The structural attachment of the umbilical cord to the abdomen of the fetus.**	
Newcode3	**Retronasal triangle**	**A sonographic landmark comprised of the three echogenic lines formed by the two frontal processes of the maxilla and the palate visualized in the coronal view of the fetal face posterior to the nose.** **Relevant to early screening for cleft palate.**	
Newcode4	**Midsagittal facial profile**	**A view of the face in a sagittal plane roughly on the left-right line of symmetry (i.e. centered on the nose).**	

Newcode6	Cardiac axis	A qualitative assessment of the orientation of the axis of the heart (i.e. the line roughly from the apex of the left ventricle to the aortic valve). Typically oriented 30 to 60 degrees to the left of vertical.	
Newcode10	Antegrade ductus venosus	Antegrade blood flow in the ductus venosus.	
Newcode11	ISUOG 1st Trimester 2023	Practice Guideline ISUOG, 2023. ISUOG Practice Guidelines (updated): performance of 11–14-week ultrasound scan. Ultrasound Obstet Gynecol 2023; 61:127-143. doi:10.1002/uog.26106	
Newcode12	ISUOG 2nd Trimester 2022	Practice Guideline ISUOG, 2022. ISUOG Practice Guidelines (updated): performance of the routine mid-trimester fetal ultrasound scan. Ultrasound Obstet Gynecol 2022; 59:840-856. doi:10.1002/uog.24888	
Newcode13	ISUOG 3rd Trimester 2024	Practice Guideline ISUOG, 2024. ISUOG Practice Guidelines: performance of third-trimester obstetric ultrasound scan. Ultrasound Obstet Gynecol 2024; 63:131-147. doi:10.1002/uog.27538.	
Newcode14	JSUM Fetal Morphology 2022	Practice Guideline JSUM. 2022. JSUM Standard ultrasound assessment of fetal morphology. https://www.jsum.or.jp/uploads_files/guideline/shindankijun/fetal_morphology.pdf	
Newcode15	JDMS Fetal Anatomy 2014	Consensus Report Wax, J et al. Consensus Report on the Detailed Fetal Anatomic Ultrasound Examination: Indications, Components, and Qualifications. Journal of Diagnostic Medical Sonography, Vol 30, Issue 3, May 2014, 107-113. doi:10.1177/8756479314532221	