

AIUM Practice Parameter for the Performance of Detailed Second- and Third-Trimester Diagnostic Obstetric Ultrasound Examination

Table: Components of Basic and Detailed Examination Ultrasound Exams

Component	Basic	Detailed*
Head and neck	Lateral cerebral ventricles Choroid plexus Midline falx Cavum septi pellucidi Cerebellum Cisterna magna	3rd ventricle ²⁷ 4th ventricle ²⁷ Lateral ventricular wall integrity, contour, ependymal lining ²⁷ Cerebellar lobes, vermis, and cisterna magna ²⁸ Corpus callosum ²⁹ Integrity and shape of cranial vault ³⁰ Brain parenchyma ³¹ Neck ^{32,33} Profile ^{34–36} Nasal bone (15–22 wk) ^{37–40} Coronal face (nose/lips/lens) ³⁴ Palate, maxilla, mandible, and tongue ^{41,42} Ear position and size Orbits
Face	Upper lip	Situs Aortic arch Superior and inferior venae cavae ⁴³ Ductal arch Interventricular septum 3-vessel view ⁴⁴ 3-vessel and trachea view ⁴⁴
Chest Heart	Cardiac activity 4-chamber view Left ventricular outflow tract Right ventricular outflow tract 3-vessel view (if technically feasible) ⁴⁴ 3-vessel and trachea view (if technically feasible) ⁴⁴	Lungs ^{45,46} Integrity of diaphragm ⁴⁷ Ribs ^{48,49}
Thorax		Small and large bowel ^{50–52} Adrenal glands ⁵³ Gallbladder ^{54,55} Liver ⁵⁶ Renal arteries ⁵⁷ Spleen Integrity of abdominal wall ⁵⁸ Integrity of spine and overlying soft tissue ^{59,60} Shape, curvature, conus medullaris ^{61,62}
Abdomen	Stomach (presence, size, and situs) Kidneys Urinary bladder Cord insertion site into fetal abdomen Umbilical cord vessel number	Number, architecture, and position ^{61–65}
Spine	Cervical Thoracic Lumbar Sacral spine	Digits of hands and feet: number and position ^{65–68} External genitalia ⁶⁹
Extremities	Legs Arms Hands Feet	Masses ^{70,71} Accessory/succenturiate lobe with location of connecting vascular supply to primary placenta and internal cervical os ^{72,73} Implantation site with evaluation for abnormal adherence ²⁵
Genitalia	In multiple gestations When medically indicated	
Placenta	Location Relationship to internal os Appearance Placental cord insertion	
Standard evaluation	Fetal number Presentation Qualitative or semiquantitative estimate of amniotic fluid	

(Continues)

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Table: Continued

Component	Standard	Detailed*
Maternal anatomy	Cervix (transvaginal when indicated) Uterus Adnexa	
Biometry	Biparietal diameter Head circumference Femur length Abdominal circumference Fetal weight estimate	Cerebellum ⁷⁴ Inner and outer orbital diameters ⁷⁵ Nuchal fold thickness (16–20 wk) ^{37–39} Humerus ^{37–39} Ulna/radius Tibia/fibula

*As noted in the text of this Practice Parameter, all of these elements may not be indicated in every detailed obstetric ultrasound examination. Likewise, obtaining additional elements not listed in the table may be warranted.