

CONTENT DETAILS
ULTRASOUND ASSESSMENT DURING THE SECOND AND THIRD TRIMESTER

Introduction

Step 1 - Preparation

- Step 1.1 - Equipment preparation
- Step 1.2 - Patient preparation
- Step 1.3 - Operator preparation

Step 2 - Expose the lower abdomen and apply the gel

Step 3 - Select the transducer

Step 4 - Commence the second and third trimester pregnancy scanning protocol

- Step 4.1 - Patient position
- Step 4.2 - Scan plane
- Step 4.3 - Standard second and third trimester protocol image requirements
 - Step 4.3.1 - Fetal lie, life, number, presentation and situs*
 - Step 4.3.2 - Maternal uterus and adnexae*
 - Step 4.3.3 - Amniotic fluid and placental location*
 - Step 4.3.4 - Fetal biometry*
 - Step 4.3.5 - Fetal anatomy*
- Step 4.4 - Annotations required
- Step 4.5 - Troubleshooting

Step 5 - Scan for fetal viability, number, presentation, and situs

- Step 5.1 - Determine fetal lie and presentation
- Step 5.2 - Scan the fetus for fetal viability
- Step 5.3 - Determine fetal number
- Step 5.4 - Determine fetal organ situs

Step 6 - Scan the maternal uterus and adnexae

Step 7 - Scan for amniotic fluid and placental location

- Step 7.1 - Scan for amniotic fluid
 - Step 7.1.1 - Calculate amniotic fluid volume*
- Step 7.2 - Determine placental location

Step 8 - Assess fetal biometry

- Step 8.1 - Calculate the biparietal diameter
- Step 8.2 - Head circumference
- Step 8.3 - Abdominal circumference
- Step 8.4 - Femur length
- Step 8.5 - Transcerebellar diameter
- Step 8.6 - Cephalic index

Step 9 - Scan fetal anatomy relevant to gestational age

- Step 9.1 - Scan the fetal head and face
 - Step 9.1.1 - Cranium*
 - Step 9.1.2 - Orbits*
 - Step 9.1.3 - Lips and nostrils*
 - Step 9.1.4 - Fetal profile*
- Step 9.2 - Scan the fetal spine
- Step 9.3 - Scan the fetal thorax

Step 9.3.1 - Diaphragm
Step 9.3.2 - Fetal heart four-chamber view
Step 9.3.3 - Fetal heart left ventricular outflow tract, or aortic outflow tract
Step 9.3.4 - Fetal heart right ventricular outflow tract or pulmonary outflow tract.
Step 9.3.5 - Fetal ductal arch and aortic arch views
Step 9.4 - Scan the fetal abdomen
Step 9.4.1 - Fetal stomach
Step 9.4.2 - Fetal liver, spleen, and gallbladder
Step 9.4.3 - Fetal kidneys and adrenals
Step 9.4.4 - Fetal bowel
Step 9.4.5 - Fetal cord insertion and umbilical cord
Step 9.4.6 - Fetal bladder
Step 9.4.7 - Fetal umbilical vein, aorta, and inferior vena cava
Step 9.5 - Scan the fetal limbs/extremities
Step 9.5.1 - Fetal lower limbs
Step 9.5.2 - Fetal upper limbs
Step 9.6 - Scan fetal gender

Step 10 - Sonographic examination of the fetus in 2D, 3D, and 4D

Step 11 - Complete the procedure