

**CONTENT DETAILS**  
**ULTRASOUND ASSESSMENT DURING THE FIRST 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 first trimester scanning protocol**

- Step 4.1 - Patient position
- Step 4.2 - Scan plane
  - Step 4.2.1 - Transabdominal scan plane*
  - Step 4.2.2 - Endovaginal scan plane*
- Step 4.3 - Standard first trimester protocol image requirements
  - Step 4.3.1 - Maternal uterus, ovaries, and adnexae*
  - Step 4.3.2 - Gestation sac*
  - Step 4.3.3 - Embryo*
  - Step 4.3.4 - Placenta*
- Step 4.4 - Annotations required
- Step 4.5 - Troubleshooting

**Step 5 - Scan the pregnant pelvis transabdominally**

- Step 5.1 - Scan the uterus in longitudinal and transverse planes
- Step 5.2 - Scan the ovaries and adnexae in longitudinal and transverse planes
- Step 5.3 - Scan the gestation sac and yolk sac
  - Step 5.3.1 - Scan the gestation sac*
  - Step 5.3.2 - Scan the yolk sac*
  - Step 5.3.3 - Multiple pregnancy and chorionicity*
- Step 5.4 - Scan the embryo in longitudinal and transverse planes
  - Step 5.4.1 - Scan for crown-rump length and gestational age*
  - Step 5.4.2 - Scan the embryonic heart*
  - Step 5.4.3 - Scan the embryonic abdomen and pelvis*
  - Step 5.4.4 - Scan the fetal cranium*
  - Step 5.4.5 - Scan the embryonic spinal column*
  - Step 5.4.6 - Multiple pregnancy: scan for chorionicity*

**Step 6 - Scan the pregnant pelvis endovaginally**

- Step 6.1 - Scan the uterus in longitudinal and coronal planes
- Step 6.2 - Scan the adnexae and ovaries in coronal and longitudinal planes
- Step 6.3 - Scan the gestation sac and yolk sac in longitudinal and coronal planes
- Step 6.4 - Scan the embryo/fetus in longitudinal and transverse planes
  - Step 6.4.1 - Scan for crown-rump length and gestational age*
  - Step 6.4.2 - Scan the embryonic heart*
  - Step 6.4.3 - Scan the embryonic abdomen and pelvis*
  - Step 6.4.4 - Scan the fetal cranium*
  - Step 6.4.5 - Scan the embryonic spinal column*
  - Step 6.4.6 - Multiple pregnancy*

**Step 7 - Complete the procedure**