

## **Required Images for the Certificate of Achievement**

Participants must submit the following images, ensuring adherence to ISUOG quality criteria and correct labeling.

### A. Early Fetal Assessment

- A1. Crown–Rump Length  
Midsagittal, zoomed view showing the fetus in a neutral position, with measurement of the cranio-caudal length.
- A2. Nuchal Translucency  
Midsagittal view of the fetal head and upper chest showing the measurement of nuchal translucency and visualization of the nasal bone.

### B. Fetal Head

- B1. Transventricular Plane  
Axial view showing the frontal and posterior horns of the lateral ventricles, cavum septi pellucidi, and choroid plexuses.
- B2. Transthalamic Plane  
Axial view showing the thalami, cavum septi pellucidi, and midline echo.
- B3. Transcerebellar Plane  
Axial view including the cerebellum, cisterna magna, and cavum septi pellucidi.

### C. Fetal Heart

(Include both grayscale and color Doppler images)

- C1. Visceral Situs  
Upper abdominal view demonstrating the arrangement of the stomach, aorta, and inferior vena cava.
- C2. Four-Chamber View  
Transverse view of the fetal chest showing both atria and ventricles.
- C3. Left Ventricular Outflow Tract  
Longitudinal view showing the continuity between the interventricular septum and the ascending aorta.
- C4. Right Ventricular Outflow Tract  
Longitudinal view showing the pulmonary artery,
- C5. Three-Vessel and Trachea View  
Transverse view showing the superior vena cava, aortic arch, and pulmonary artery forming a “V”,.

#### D. Third Trimester

- D1. Transverse Abdominal View  
Cross-section of the fetal abdomen including the stomach, portal vein, and measure of abdominal circumference.
- D2. Femur Length  
Longitudinal view showing and measuring the entire femoral diaphysis, with both ends clearly visible.
- D3. Umbilical Artery  
Color Doppler image showing the umbilical artery waveform in a free loop of cord.
- D4. Uterine Artery  
Color Doppler image showing the uterine artery at the apparent crossover with the external iliac artery, including waveform measurement.
- D5. Middle Cerebral Artery  
Color Doppler image of the fetal brain at the level of the sphenoid bone, showing the middle cerebral artery and its waveform.
- D6. Ductus Venosus  
Color Doppler image showing the ductus venosus in a midsagittal or transverse view with its characteristic triphasic waveform.