

Fetal Echocardiography Case Submission Requirements



From the main site:	From <u>each additional site or mobile unit</u> :
<p>Submit a total of 4 fetal echocardiography cases with corresponding final reports as outlined below:</p> <ul style="list-style-type: none"> • 1 <u>ABNORMAL</u> study containing a major structural congenital heart defect involving one of the 4 chambers and/or outflow tracts. Example: HLHS, ToF, TGA, AV Canal, Ebstein anomaly, etc. <ul style="list-style-type: none"> ▪ For the purpose of accreditation, the following ARE NOT considered to be major structural anomalies: <i>isolated arrhythmia, isolated VSD (or ASD), echogenic intracardiac focus, isolated pericardial effusion.</i> ▪ In addition to the grayscale images, below are the REQUIRED VIDEO CLIPS (keep clips short and <u>do not send extra videos for review</u>): <ol style="list-style-type: none"> 1. Demonstrating situs 2. Atrioventricular junction 3. Ventriculoarterial junction 4. Any salient features (positive and negative) of the cardiac pathology contributory in determining the final diagnosis • 3 <u>NORMAL</u> cases showing ALL components in the practice parameters: <ul style="list-style-type: none"> ▪ <u>ALL</u> anatomic structures or designated views must be labeled (e.g. 4 chamber view, 3V-trachea view, short axis ventricles, etc.) ▪ <u>ALL</u> listed required items in section C (Gray Scale Imaging) and D (Color Doppler Sonography) of the parameters must be demonstrated and labeled. ▪ In section D, Pulsed Doppler evaluation is required of the Atrioventricular valves, Semilunar valves, and Ductus Venosus. ▪ M-mode evaluation of heart rate demonstrating the atria, ventricles, and their relationship to each other is required. ▪ <u>ALL</u> listed components in section F (Cardiac Biometry) MUST be demonstrated and labeled in ONE of your NORMAL case submissions.** These include biometry as stipulated of the four cardiac valves, the ventricular lengths, outflow tracts including the branch pulmonary arteries, atria and ventricular dimensions and cardiothoracic ratio. See page 2 for imaging checklist. ▪ In addition to the grayscale images, below are the REQUIRED VIDEO CLIPS (keep clips short and <u>do not send extra videos for review</u>): <ol style="list-style-type: none"> 1. Demonstrating situs 2. Atrioventricular junction 3. Ventriculoarterial junction 	<p>Submit 1 NORMAL fetal echo study with corresponding final report</p> <ul style="list-style-type: none"> • The case must show ALL components listed in the practice parameters. Refer to the <u>NORMAL</u> case requirements as described for the main site.

**All cases must follow the
General Requirements for the Submission of Case Studies**
(<http://www.aium.org/accreditation/qencasereq.pdf>)

Note:

DO NOT SEND an unedited video of the entire exam. If your practice only stores video (and not 2D images), contact accreditation@aium.org. If you find your cases or video files exceed 50 MB each, contact us for assistance.

****Although the [Fetal Echo Practice Parameters](#) state cardiac biometry is “optional”, for the purpose of accreditation, cardiac biometry is required for at least ONE of your NORMAL FE case studies.**

All anatomy must be appropriately labeled (for example – SAX OUTFLOW).

Fetal Echocardiography Imaging Checklist (Normal Submissions*)

*For **abnormal** submissions (i.e. AVSD, HLHS, TGA, ToF), you may contact accreditation@aium.org if needed.

Fetal Echo		
• VIDEO CLIPS (REQUIRED)		
1. Short, labeled video clip of visceral / abdominal situs	2. Short, labeled video clip of atrioventricular junction	3. Short, labeled video clip of ventriculoarterial junction between the ventricles and the great arteries
Labeled, still images of the following:		
4. Four chamber	5. Left ventricular outflow tract	6. Right ventricular outflow tract
7. Three-vessel and trachea	8. Short axis views of ventricles	9. Short axis views of outflow tracts
10. Aortic arch	11. Ductal arch	12. SVC and IVC entering RA (bicaval view)
• M-MODE		
13. M-mode assessment of rhythm		
• DOPPLER		
14. Color Doppler of the pulmonary veins	15. Color Doppler of the foramen ovale	16. Color and spectral Doppler of the tricuspid valve
17. Color and spectral Doppler of the mitral valve	18. Color and spectral Doppler of the pulmonary valve	19. Color and spectral Doppler of the aortic valve
20. Color Doppler of the aortic arch	21. Color Doppler of the ductal arch	22. Color Doppler of the SVC and IVC
23. Color and spectral Doppler of the ductus venosus		
• CARDIAC BIOMETRY (REQUIRED IN ONE OF YOUR NORMAL CASE SUBMISSIONS)		
24. Aortic artery diameter at the level of the valve annulus in systole	25. Pulmonary artery diameter at the level of the valve annulus in systole	26. Dimensions of tricuspid and mitral valve annulus in diastole
27. Aortic and/or isthmus diameter	28. Main pulmonary artery and/or ductus arteriosus diameter	29. Right and left ventricular lengths
30. End-diastolic ventricular dimensions just inferior to the AV valve leaflets	31. Thickness of ventricular free walls	32. Interventricular septum just inferior to the AV valves
33. Systolic dimensions of the ventricles	34. Transverse diameters of the atria	35. Diameter of the branch pulmonary arteries
36. Cardiothoracic ratio		