Fetal Echocardiography Case Submission Requirements

<table>
<thead>
<tr>
<th>From the main site</th>
<th>From each additional site or mobile machine</th>
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<tbody>
<tr>
<td>Submit a total of 3 NORMAL fetal echo cases showing ALL components in the practice parameters with their corresponding final reports as outlined below:</td>
<td>Submit 1 NORMAL fetal echo case with its corresponding final report:</td>
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<td><strong>•</strong> ALL anatomic structures or designated views must be labeled (e.g. 4 chamber view, 3V-trachea view, short axis ventricles, etc.)</td>
<td>The case must show ALL components listed in the practice parameters. Refer to the NORMAL case requirements as described for the main site.</td>
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<td><strong>•</strong> ALL listed required items in section C (Gray Scale Imaging) and D (Color Doppler Sonography) of the parameters must be demonstrated and labeled.</td>
<td>And, from any site</td>
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<td><strong>•</strong> In section D, Pulsed Doppler evaluation is required of the Atrioventricular valves, Semilunar valves, and Ductus Venosus.</td>
<td>Submit 1 ABNORMAL fetal echo study containing a major structural congenital heart defect involving one of the 4 chambers and/or outflow tracts (e.g. HLHS, ToF, TGA, AV Canal, Ebstein anomaly, etc.) with its corresponding final report:</td>
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<td><strong>•</strong> M-mode evaluation of heart rate demonstrating the atria, ventricles, and their relationship to each other is required.</td>
<td>• For the purpose of accreditation, the following ARE NOT considered to be major structural anomalies: isolated arrhythmia, isolated VSD (or ASD), echogenic intracardiac focus, isolated pericardial effusion.</td>
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<td><strong>•</strong> ALL listed components in section F (Cardiac Biometry) MUST be demonstrated and labeled in ONE of your NORMAL case submissions.**</td>
<td>• In addition to the still images, below are the REQUIRED VIDEO CLIPS (keep clips short and do not send extra videos for review):</td>
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| 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. | 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 |
| **•** In addition to the still images, below are the REQUIRED VIDEO CLIPS (keep clips short and do not send extra videos for review): |
| 1. Demonstrating situs  
2. Atrioventricular junction  
3. Ventriculoarterial junction |

Additional Notes:

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

• All cases must follow the General Requirements for the Submission of Case Studies.
**Fetal Echocardiography Normal* Imaging Checklist**

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

### 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)

<table>
<thead>
<tr>
<th>24. Aortic artery diameter at the level of the valve annulus in systole</th>
<th>29. Right and left ventricular lengths</th>
<th>34. Transverse diameters of the atria</th>
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<tbody>
<tr>
<td>25. Pulmonary artery diameter at the level of the valve annulus in systole</td>
<td>30. End-diastolic ventricular dimensions just inferior to the AV valve leaflets</td>
<td>35. Diameter of the branch pulmonary arteries</td>
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<tr>
<td>27. Aortic and/or isthmus diameter</td>
<td>32. Interventricular septum just inferior to the AV valves</td>
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<td>28. Main pulmonary artery and/or ductus arteriosus diameter</td>
<td>33. Systolic dimensions of the ventricles</td>
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