Fetal Echocardiography Case Submission Requirements

From the main site:

Submit a total of 4 fetal echocardiography cases with corresponding final reports as outlined below:

- **1 ABNORMAL** 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.
  - 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.
  - In addition to the grayscale 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
    4. Any salient features (positive and negative) of the cardiac pathology contributory in determining the final diagnosis

- **3 NORMAL** cases showing ALL components in the practice parameters:
  - **ALL** anatomic structures or designated views must be labeled (e.g. 4 chamber view, 3V-trachea view, short axis ventricles, etc.)
  - **ALL** 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.
  - **ALL** 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 **do not send extra videos for review**):
    1. Demonstrating situs
    2. Atrioventricular junction
    3. Ventriculoarterial junction

From each additional site or mobile unit:

Submit 1 NORMAL fetal echo study with corresponding final report

- The case must show **ALL components listed in the practice parameters.** Refer to the **NORMAL 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/gencasereq.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.

<table>
<thead>
<tr>
<th>Fetal Echo</th>
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<tbody>
<tr>
<td>• VIDEO CLIPS (REQUIRED)</td>
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<tr>
<td>1. Short, labeled video clip of visceral / abdominal situs</td>
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<tr>
<td>Labeled, still images of the following:</td>
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<td>4. Four chamber</td>
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<tr>
<td>10. Aortic arch</td>
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<tr>
<td>• M-MODE</td>
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<td>13. M-mode assessment of rhythm</td>
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<td>• DOPPLER</td>
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<tr>
<td>23. Color and spectral Doppler of the ductus venosus</td>
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<tr>
<td>• CARDIAC BIOMETRY (REQUIRED IN ONE OF YOUR NORMAL CASE SUBMISSIONS)</td>
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<tr>
<td>24. Aortic artery diameter at the level of the valve annulus in systole</td>
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<tr>
<td>27. Aortic and/or isthmus diameter</td>
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<tr>
<td>30. End-diastolic ventricular dimensions just inferior to the AV valve leaflets</td>
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<td>33. Systolic dimensions of the ventricles</td>
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<td>36. Cardiothoracic ratio</td>
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