

The Point-of-Care Ultrasound (POCUS) Clinical Certificates are comprised of two assessments: a Clinical Case Based Assessment and a Peer Evaluation. Specialty Certifications include the two assessments plus Clinical Video Submissions.

## Clinical Case Assessment

The clinical Case-Based assessments are designed to simulate a clinical encounter. They are scenario based exams with question types ranging from multiple choice to hotspots. The questions are designed to assess the following:

<b>7%</b>	<b>Standard POCUS Views</b>	<ul style="list-style-type: none"> <li>• Familiarity with normal exploration paths</li> <li>• Recognition of when patient condition or presentation requires deviations from the normal exploration paths</li> <li>• Identification of regions or basic POCUS views described in consensus documents or protocols</li> </ul>
<b>23%</b>	<b>Anatomical Features</b>	<ul style="list-style-type: none"> <li>• Ability to recognize and identify various anatomical features in M-mode and 2D/B-mode images, color Doppler, spectral Doppler</li> </ul>
<b>30%</b>	<b>Sonographic Findings</b>	<ul style="list-style-type: none"> <li>• Knowledge of common sonographic artifacts or measurements</li> <li>• Ability to identify artifacts that may aid in diagnosis</li> <li>• Recognition of sonographic patterns and their implications for diagnosis</li> </ul>
<b>36%</b>	<b>Diagnostic Findings</b>	<ul style="list-style-type: none"> <li>• The ability to determine and confirm an initial diagnosis using integrated POCUS media and clinical information</li> <li>• Understanding and recognition when it is not possible to obtain an initial diagnosis through POCUS</li> </ul>
<b>4%</b>	<b>OB 2<sup>nd</sup>/3<sup>rd</sup> Trimester Pathologies</b>	<ul style="list-style-type: none"> <li>• Knowledge of common pathologies and conditions identified through OB 2<sup>nd</sup>/3<sup>rd</sup> Trimester POCUS (including but not limited to: <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Anhydramnios,</li> <li><input checked="" type="checkbox"/> Cervical dilation,</li> <li><input checked="" type="checkbox"/> Cervical shortening,</li> <li><input checked="" type="checkbox"/> Fetal anomaly,</li> <li><input checked="" type="checkbox"/> Fetal bradycardia,</li> <li><input checked="" type="checkbox"/> Fetal demise,</li> <li><input checked="" type="checkbox"/> Fetal presentation – breech,</li> <li><input checked="" type="checkbox"/> Fetal presentation – cephalic,</li> <li><input checked="" type="checkbox"/> Fetal tachycardia,</li> <li><input checked="" type="checkbox"/> Intrauterine fetal grow restriction,</li> <li><input checked="" type="checkbox"/> Low-lying placenta,</li> <li><input checked="" type="checkbox"/> Macrosomia (Large for Dates),</li> <li><input checked="" type="checkbox"/> Multiple pregnancy – (triplets, quadruplets, etc.),</li> <li><input checked="" type="checkbox"/> Normal pregnancy,</li> <li><input checked="" type="checkbox"/> Oligohydramnios,</li> <li><input checked="" type="checkbox"/> Placenta accreta,</li> <li><input checked="" type="checkbox"/> Placenta previa,</li> <li><input checked="" type="checkbox"/> Placental abruption,</li> <li><input checked="" type="checkbox"/> Polyhydramnios,</li> <li><input checked="" type="checkbox"/> Pregnancy preterm labor,</li> <li><input checked="" type="checkbox"/> Retained products of conception,</li> <li><input checked="" type="checkbox"/> Single live intrauterine pregnancy,</li> <li><input checked="" type="checkbox"/> Transverse lie,</li> <li><input checked="" type="checkbox"/> Twin growth discrepancies,</li> <li><input checked="" type="checkbox"/> Twin pregnancy,</li> <li><input checked="" type="checkbox"/> Twin pregnancy– Dizygotic (Dichorionic/ Diamniotic),</li> <li><input checked="" type="checkbox"/> Twin pregnancy– Monozygotic (Monochorionic/ Monoamniotic),</li> <li><input checked="" type="checkbox"/> Uterine rupture, Vasa previa)</li> </ul> </li> <li>• Must comprehend that it is sometimes not possible to get a diagnosis and recognize when this is the case</li> <li>• Must know how to determine or confirm a diagnosis using created images</li> <li>• Ability to comprehensively consider all case information (images, patient presentation, labs, etc.) to determine an initial diagnosis</li> </ul>

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## Peer Evaluation

The Peer Evaluation is designed to assess your practical abilities in Point-of-Care Ultrasound (POCUS). Clinicians of your choosing will be sent an anonymous questionnaire to evaluate your POCUS abilities. Assessment results are based on the first two evaluations received. Peer Evaluators will evaluate on the following criteria which will be evenly weighted:

- |   |   |  |  |
|---|---|--|--|
| <b>1</b> <b>Diagnostic Quality</b><br>Ability to obtain images of diagnostic quality  | <b>2</b> <b>Gain</b><br>Demonstrate proficient use of gain settings   | <b>3</b> <b>Views</b><br>Demonstrate proper transducer placement                     | <b>4</b> <b>Measurement</b><br>Ability to use appropriate measurement techniques           |
| <b>5</b> <b>Pathology</b><br>Acquired and interpreted POCUS images related to most common OB/First Trimester pathologies for which POCUS is appropriate | <b>6</b> <b>Depth</b><br>Demonstrate appropriate use of depth setting and center the area of interest on the screen | <b>7</b> <b>M-Mode</b><br>Demonstrate an appropriate use and understanding of M-Mode | <b>8</b> <b>Color Doppler</b><br>Demonstrate an appropriate understanding of Color Doppler |

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## Clinical Video Submission

The Clinical Video Submission is designed to assess your ability to acquire POCUS scans. When enrolled in a Specialty Certification that includes this content area, you will be required to upload HIPAA compliant OB 2nd/3rd Trimester media. The submitted videos (one normal and one with correctly identified pathology) will be evaluated by clinical reviewers based on POCUS protocols and criteria listed below:

- |   |                         |                                    |  |
|---|-------------------------|------------------------------------|--|
| <b>1</b> <b>Pathology Identified</b>          | <b>2</b> <b>Depth</b>   | <b>3</b> <b>Diagnostic Quality</b> | <b>4</b> <b>Gain</b>                           |
| <b>5</b> <b>Measurement</b>                   | <b>6</b> <b>On-Axis</b> | <b>7</b> <b>Transducer Use</b>     | <b>8</b> <b>M-Mode (when/where applicable)</b> |
| <b>9</b> <b>Ultrasound Machine Preset Use</b> | <b>10</b> <b>Views</b>  |                                    |  |