Sample Ultrasound Assessment

Example of online platform and response form:
https://stanforduniversity.qualtrics.com/jfe/form/SV_1zywMAVGAmnTMNv

Paper Version (does not include videos, please use link to see videos)

Start of Block: Default Question Block

Intro Please enter your first initial, last initial, and numeric month of birth

(For example, John Doe was born in June = JD6).

Your responses will be de-identified and encrypted. This ID allows us to track your progress through the course over time.
Q1
Q1 What is your interpretation of the starred area on this lung ultrasound?

- Normal Lung Sliding (1)
- Abnormal Lung Sliding (2)
- Pneumothorax (3)
- Pleural Effusion (4)

Q2
Q2 What does the starred area on this lung ultrasound represent?

- Pleural Lining (1)
- Lung Sliding (5)
- A-line (2)
- B-line (3)
- Rib Shadowing (4)

Q3
Q3 What finding is present on this lung ultrasound?

- Pneumothorax (1)
- A-line (2)
- B-line (3)
- Pleural Effusion (5)
Q4
Q4 You place a probe along the posterior axillary line in the fifth intercostal space. What finding is demonstrated in this video?

- Ascites (1)
- Pleural Effusion (2)
- Normal Lung and Liver Interface (3)
- Dilated bowel (5)

Q6
Q5 What structure does the star represent in this image?

- Kidney (1)
- Liver (2)
- Gallbladder (3)
- Bowel (5)

Q7
Q6 This still-image represents:

- Normal Kidney (1)
- Kidney, with hydronephrosis (2)
- Kidney interposed with bowel (3)
- Kidney, with multiple cysts (6)
- Kidney, with mass (7)
Q8

Q7 In this video, item 1 represents:

- Liver (1)
- Morrison's Pouch (2)
- Superior Renal Pole (3)
- Gallbladder (6)
- Lung (7)

Q10

Q8 In this still image, item 2 represents:

- Liver (1)
- Morrison's Pouch (2)
- Superior Renal Pole (3)
- Gallbladder (6)
- Lung (7)
Q12  
Q9 You place a probe along the right posterior axillary line in the fifth intercostal space. What finding is demonstrated in this video?

- Pleural Effusion (1)
- Ascites (11)
- Normal Lung/Liver Interface (12)
- Consolidated Lung (13)
- Atelectasis (14)

Q13  
Q10 What echocardiographic view is being demonstrated here?

- Parasternal Long (1)
- Parasternal Short (11)
- Apical 4-chamber (12)
- Sub-xiphoid (13)

Q14  
Q11 What echocardiographic view is being demonstrated here?

- Parasternal Long (1)
- Parasternal Short (11)
- Apical 4-chamber (12)
- Sub-xiphoid (13)
Q15

Q12 What echocardiographic view is being demonstrated here?

- Parasternal Long (1)
- Parasternal Short (11)
- Apical 4-chamber (12)
- Sub-xiphoid (13)

Q16

Q13 What echocardiographic view is being demonstrated here?

- Parasternal Long (1)
- Parasternal Short (11)
- Apical 4-chamber (12)
- Sub-xiphoid (13)

Q17

Q14 Based on this video, which finding is definitively present?

- Severely reduced LV function (1)
- Constrictive pericardium (11)
- Pericardial Effusion (12)
- Ascites (13)
Q15 Based on this video, the right ventricular systolic function is:

- Hyperdynamic (1)
- Normal (11)
- Reduced (12)

Q16 Based on this video, what is your estimation of this patient’s right atrial pressure?

- >15 mmHg (1)
- 11-15 mmHg (11)
- 5-10 mmHg (12)
- <5 mmHg (13)
Q20
Q17 Based on this video, which finding is definitively present?

- Mitral Stenosis (1)
- Mitral Regurgitation (14)
- Aortic Stenosis (15)
- Aortic Regurgitation (16)
- Pulmonic Stenosis (17)
- Pulmonic Regurgitation (18)
- Tricuspid Stenosis (19)
- Tricuspid Regurgitation (20)

21
Q18 Based on this video, which finding is definitively present?

- Mitral Stenosis (1)
- Mitral Regurgitation (14)
- Aortic Regurgitation (16)
- Pulmonic Stenosis (17)
- Pulmonic Regurgitation (18)
- Tricuspid Stenosis (19)
- Tricuspid Regurgitation (20)
Q22
Q19 Based on this video, which finding is definitively present?

- Mitral Stenosis (1)
- Mitral Regurgitation (14)
- Aortic Stenosis (15)
- Aortic Regurgitation (16)
- Pulmonic Stenosis (17)
- Pulmonic Regurgitation (18)
- Tricuspid Stenosis (19)
- Tricuspid Regurgitation (20)

Q23
Q20 Based on this video, which finding is definitively present?

- Mitral Stenosis (1)
- Mitral Regurgitation (14)
- Aortic Stenosis (15)
- Aortic Regurgitation (16)
- Pulmonic Stenosis (17)
- Pulmonic Regurgitation (18)
- Tricuspid Stenosis (19)
- Tricuspid Regurgitation (20)
Q24
   Q21 Based on this video, what is your assessment of the left ventricular systolic function?

   ○ Hyperdynamic (1)
   ○ Normal (21)
   ○ Moderately Reduced (22)
   ○ Severely Reduced (23)

Q25
   Q22 Based on this video, what is your assessment of the left ventricular systolic function?

   ○ Hyperdynamic (1)
   ○ Normal (21)
   ○ Moderately Reduced (22)
   ○ Severely Reduced (23)

Q93
   Q23 Based on this video, what is your assessment of the left ventricular systolic function?

   ○ Hyperdynamic (1)
   ○ Normal (21)
   ○ Moderately Reduced (22)
   ○ Severely Reduced (23)
Q48 Please click on the mitral valve below:

Q49 Please click on the right ventricle below:

Q50 Please click on the aortic valve below:
Q105 Please click on the right ventricle below:

Q107 Please click on the left ventricle below:
Q108 Please click on the right ventricle below:

Q109 Please click on the left ventricle below:
Q84 Please click on the pericardial effusion below:

Q74 Please click on the inferior vena cava below:
Q112 How motivated are you to perform point of care ultrasound on your patients?

- Very Unmotivated (1)
- Unmotivated (2)
- Neutral (3)
- Motivated (4)
- Very Motivated (5)

Q117 What are the barriers (if any) to performing bedside ultrasound on your patients? (select all that apply)

- It takes too long (1)
- I don't like carrying a device around (7)
- I'm not skilled enough/don't trust my findings (2)
- I don't have enough access to a device (3)
- My superiors (e.g. attendings/residents) disregard my findings (4)
- I don't know how to perform bedside ultrasound (5)
- Other (please specify) (6)
Q118 How confident do you feel in using point-of-care ultrasound to assist with performing procedures pertinent to anesthesia?

- Unconfident (1)
- Somewhat unconfident (2)
- Neutral (3)
- Somewhat confident (4)
- Confident (5)

Q119 How confident are you that further training in point-of-care ultrasound principles and techniques will increase your comfort level with point-of-care ultrasound use for procedures?

- Unconfident (1)
- Somewhat Unconfident (2)
- Neutral (3)
- Somewhat Confident (4)
- Confident (5)
Q120 How confident are you that further training in point-of-care ultrasound principles and techniques will increase your comfort level with point-of-care ultrasound use for diagnostic purposes?

- Unconfident (1)
- Somewhat Unconfident (2)
- Neutral (3)
- Somewhat Confident (4)
- Confident (5)
Q121 How confident do you feel at identifying the following structures with point-of-care (e.g. bedside) ultrasound?

<table>
<thead>
<tr>
<th>Structure</th>
<th>Unconfident (1)</th>
<th>Somewhat Unconfident (2)</th>
<th>Neutral (3)</th>
<th>Somewhat Confident (4)</th>
<th>Confident (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lung (1)</td>
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<td>Liver (2)</td>
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<td>Gallbladder (3)</td>
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<td>Common Bile Duct (4)</td>
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<td>Spleen (5)</td>
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<td>Kidney (6)</td>
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<td>Left/Right Ventricle (7)</td>
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<td>Left/Right Atria (8)</td>
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<td>Aortic Valve (9)</td>
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<td>Mitral Valve (10)</td>
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<td>Tricuspid Valve (11)</td>
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<td>Pulmonic Valve (12)</td>
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<tr>
<td>Normal Right Heart Systolic Function (13)</td>
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<tr>
<td>Normal Left Heart Systolic Function (14)</td>
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<td>IVC Diameter (15)</td>
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<tr>
<td>IVC Respiratory</td>
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<td>Variation (16)</td>
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<td>Internal Jugular Vein</td>
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<td>(17)</td>
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</tbody>
</table>
Q122 How confident do you feel at identifying the following pathology with point-of-care (e.g. bedside) ultrasound?

<table>
<thead>
<tr>
<th>Pathology</th>
<th>Unconfident (1)</th>
<th>Somewhat Unconfident (2)</th>
<th>Neutral (3)</th>
<th>Somewhat Confident (4)</th>
<th>Confident (5)</th>
</tr>
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<tbody>
<tr>
<td>A-lines (1)</td>
<td>○</td>
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<td>○</td>
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<tr>
<td>B-lines (2)</td>
<td>○</td>
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<tr>
<td>Pleural Effusion (3)</td>
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<tr>
<td>Pneumothorax (4)</td>
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<tr>
<td>Ascites (8)</td>
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<td>Hydronephrosis (9)</td>
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<td>Nephrolithiasis (18)</td>
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<tr>
<td>Reduced Left Heart Systolic Function (15)</td>
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<tr>
<td>Reduced Right Heart Systolic Function (16)</td>
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<tr>
<td>Pericardial Effusion (17)</td>
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</tbody>
</table>
Q123 How relevant is a curriculum in point-of-care ultrasound to your practice as a resident?

- Irrelevant (1)
- Somewhat Irrelevant (2)
- Neither Relevant or Irrelevant (3)
- Somewhat Relevant (4)
- Relevant (5)

Q124 How relevant is a curriculum in point-of-care ultrasound to your eventual practice as an attending physician?

- Irrelevant (1)
- Somewhat Irrelevant (2)
- Neither Relevant or Irrelevant (3)
- Somewhat Relevant (4)
- Relevant (5)
- Don't Know/ Unsure (6)
Q129 A barrier to performing more point-of-care ultrasound assessments in patients is access to a portable ultrasound device

- Strongly disagree (1)
- Disagree (2)
- Neutral (3)
- Agree (4)
- Strongly agree (5)

Q130 I would perform more point-of-care ultrasound assessments of my patients if I had improved access to a portable ultrasound device

- Strongly disagree (1)
- Disagree (2)
- Neutral (3)
- Agree (4)
- Strongly Agree (5)

Q132 What is your gender

- Male (1)
- Female (2)
- Other/Prefer Not to Say (3)
Q133 Did your previous program (for intern/TYs) have an ultrasound curriculum?

- Yes (1)
- No (2)
- Unsure (3)

Q136 Did your medical school have an ultrasound curriculum?

- Yes (1)
- No (2)
- Unsure (3)

Q134 Career Plans? (e.g. cardiac anesthesia, pediatric anesthesia, pain, etc?)

End of Block: Default Question Block