

# Sample Ultrasound Assessment

Example of online platform and response form:

[https://stanforduniversity.qualtrics.com/jfe/form/SV\\_1zywMAVGAmnTMNv](https://stanforduniversity.qualtrics.com/jfe/form/SV_1zywMAVGAmnTMNv)

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

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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.

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Page Break

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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)
- 

Q18

Q15 Based on this video, the right ventricular systolic function is:

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

Q19

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?

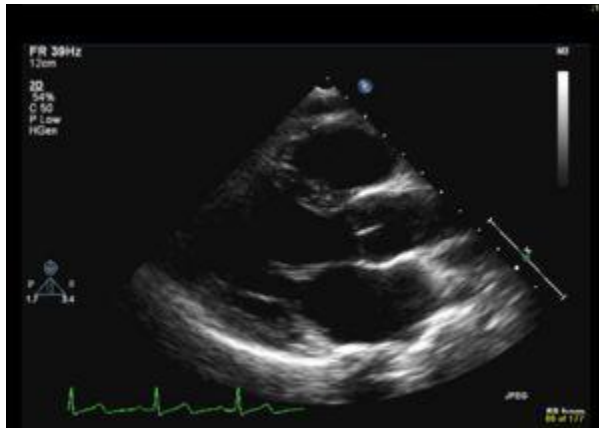
- ☐ Hyperdynamic (1)
  - ☐ Normal (21)
  - ☐ Moderately Reduced (22)
  - ☐ Severely Reduced (23)
- 

Q93

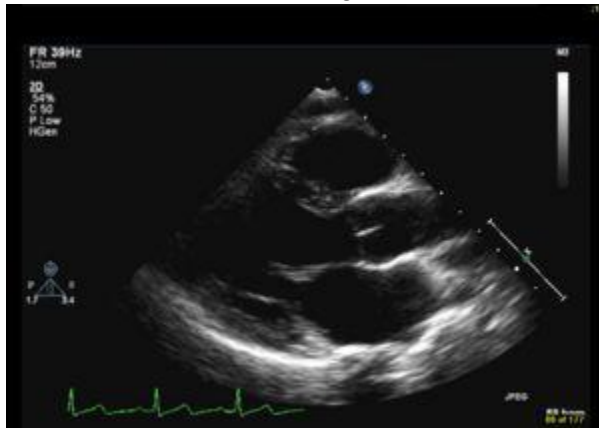
Q23 Based on this video, what is your assessment of the left ventricular systolic function?

- ☐ Hyperdynamic (1)
  - ☐ Normal (21)
  - ☐ Moderately Reduced (22)
  - ☐ Severely Reduced (23)
-

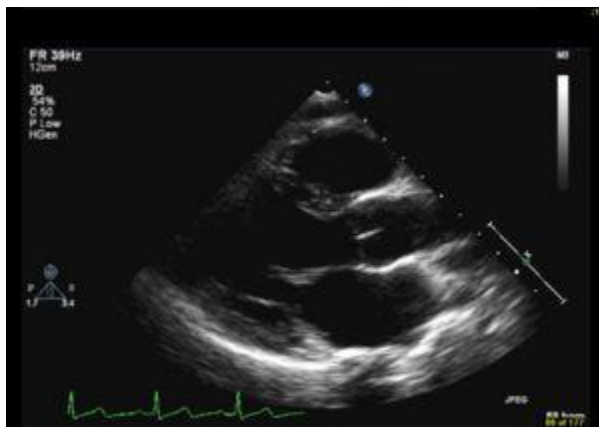
Q48 Please click on the mitral valve below:



Q49 Please click on the right ventricle below:

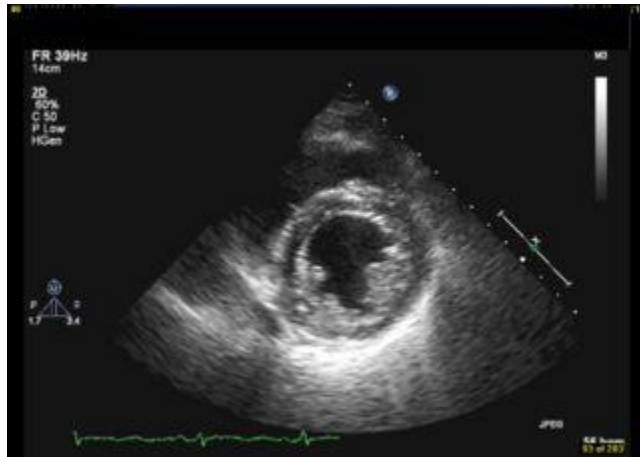


Q50 Please click on the aortic valve below:



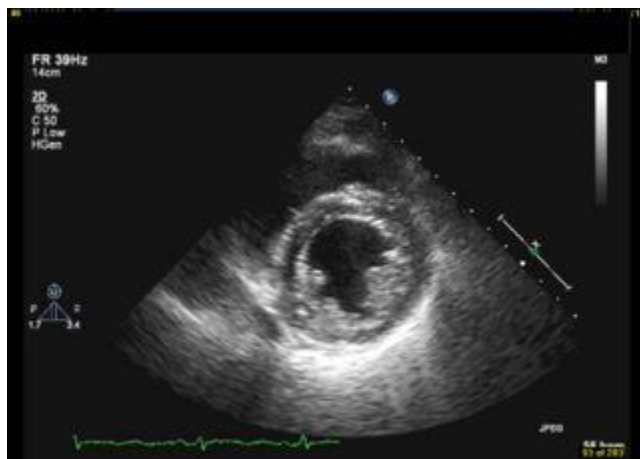
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Q105 Please click on the right ventricle below:

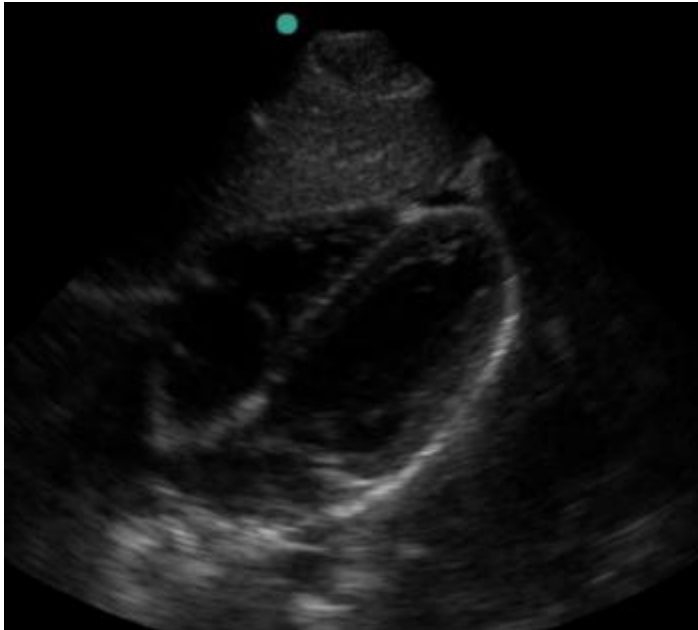


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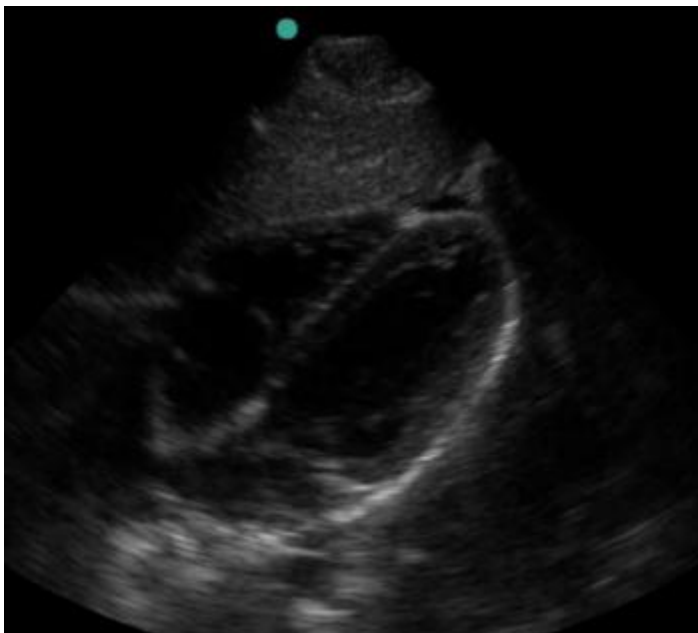
Q107 Please click on the left ventricle below:



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:



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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)
- 

End of Block: Default Question Block

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Start of Block: Default Question Block

Page Break

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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?

	Unconfident (1)	Somewhat Unconfident (2)	Neutral (3)	Somewhat Confident (4)	Confident (5)
Lung (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liver (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gallbladder (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Common Bile Duct (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spleen (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kidney (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Left/Right Ventricle (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Left/Right Atria (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aortic Valve (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mitral Valve (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tricuspid Valve (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pulmonic Valve (12)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Normal Right Heart Systolic Function (13)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Normal Left Heart Systolic Function (14)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

IVC Diameter  
(15)



IVC  
Respiratory  
Variation (16)



Internal  
Jugular Vein  
(17)



Q122 How confident do you feel at identifying the following pathology with point-of-care (e.g. bedside) ultrasound?

	Unconfident (1)	Somewhat Unconfident (2)	Neutral (3)	Somewhat Confident (4)	Confident (5)
A-lines (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B-lines (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pleural Effusion (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pneumothorax (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ascites (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydronephrosis (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nephrolithiasis (18)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced Left Heart Systolic Function (15)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced Right Heart Systolic Function (16)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pericardial Effusion (17)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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)

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Q136 Did your medical school have an ultrasound curriculum?

☐ Yes (1)

☐ No (2)

☐ Unsure (3)

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

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End of Block: Default Question Block

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