

Summary Quiz (Name: _____)

1. Which probe would be best to image the jugular veins?

- A. Phased array (2-5 MHz)
- B. Curved linear array (5-7 MHz)
- C. Linear array (7-10 MHz)
- D. Microconvex probe (5-7 MHz)

2. 'Dynamic' approach for line insertion using ultrasound means:

- A. The procedure is done blindly but after having localized the vein prior to procedure
- B. The procedure is done with ultrasound in the Doppler mode to see the dynamic blood flow
- C. The procedure is done with ultrasound after the blind approach fails
- D. The procedure is performed under direct guidance, with real time view of the needle

3. When evaluating pleural effusions, what structure is most important to identify?

- A. Heart
- B. Pleural line
- C. Lung line
- D. Diaphragm

4. What structure is most important to identify on parasternal long axis view of the heart when evaluating pericardial fluid?

- A. Mitral valve
- B. Aortic valve
- C. Descending aorta
- D. Pleural line

5. Horizontal lines visualized due to the pleural line artifact (equidistant from the chest wall to the pleural line and then after the pleural line) are called:

- A. H lines
- B. B lines
- C. A lines
- D. Lung lines

6. Which of the following can make errors in diagnosis when using M-mode to evaluate for lung sliding?

- A. Motion artifact from operator's hand moving
- B. Motion artifact from patient moving
- C. Motion artifact from high frequency oscillatory ventilation
- D. All of the above

7. Which of the following is not evaluated during a typical FAST exam?

- A. Pericardial space
- B. Hepatorenal space
- C. Splenorenal space
- D. Aorta

8. What is the best view of evaluation of LV systolic function?

- A. Parasternal short - Mitral valve level
- B. Parasternal short - Papillary muscle level
- C. Parasternal short - Apical level
- D. Parasternal long

9. From the parasternal long axis view, the parasternal short axis view is obtained by:

- A. Clockwise rotation of 45 degrees
- B. Clockwise rotation of 90 degrees
- C. Counter-clockwise rotation of 90 degrees
- D. 180 degrees clockwise

10. When evaluating the IVC, what clinical parameter is important to note?

- A. Blood pressure
- B. Heart rate
- C. Type of ventilation: spontaneous or positive pressure
- D. Age of patient

11. What is the appropriate terminology to report when evaluating LV function in the ICU setting?

- A. 10% EF, 50% EF, 80% EF
- B. Low, Middle, High
- C. Subnormal, Normal, Hypernormal
- D. Poor, Normal, Hyperdynamic