Point of Care Ultrasound (PoCUS)

Competency Assessment Forms

eFAST (Thoracic)

Competency F – Thoracic (eFAST)
Guidance

Please follow this guidance as closely as possible to ensure consistency between assessors. Ability to enter details, save image/clip and optimize environment only needs to be done once if multiple competencies are being assessed.

1. **"What are the core indications?"**
   e.g. any trauma patient, especially blunt chest or abdomen. Any questionable indications should be challenged.

2. **Demonstrates familiarity with the machine controls and transducer handling.**

3. **Demonstrates an ability to enter patient details as per EDPoCUS policy.**

4. **"This patient presents with blunt chest trauma and dyspnoea"**

5. **"Please show me the views would you use to look for hemothorax and then show me the views you would use to look for pneumothorax"**

6. **Demonstrates a knowledge of the thoracic views and confidence in obtaining them** -Right and left lateral chest coronal diaphragm and lung base, right and left longitudinal anterior chest

7. **For each view "Please point out the structures that you can identify and show me where you are looking for hemothorax and then show me the signs are consistent with a pneumothorax "**
   -Lateral Chest Coronal Views - Must be able to correctly identify diaphragm, potential sites of fluid collection within pleural space. Should describe the significance of the Vertebral Line. May describe the Quad Sign.
   -Anterior Chest - Must be able to correctly identify ribs, intercostal muscle, pleural line, pleural sliding. Should identify comet-tails. May demonstrate M-Mode signs.

8. **If they fail to mention any one of the above structures then ask them to identify it.**

9. **"What are the potential pitfalls in PoCUS assessment for pneumothorax?"**
   Small pneumothoraces can be missed especially if the probe is positioned too medially on the anterior chest wall. False positives can also occur.

10. **"What are the implications of a negative or indeterminate eFAST scan?"**
    Does not rule out thoracic injury

11. **"Please save an image or clip"**

Competency F – Thoracic (eFAST)

Name: _____ **Assessor:** _____ **Date:** _____

Logged Experience: number of scans (circle)   10   25   50+   Number:_____

Experience certified as evidenced by: _____ (signed by Assessor)

Competency component	Trainer's comments recorded during the assessment	Competent?
1. Preparation for the scan *Greet the patient appropriately and identify the patient. Demonstrate appropriate attitude and professional manner*		Yes ❑ Prompted ❑ No ❑
Knowledge of core indications		Yes ❑ Prompted ❑ No ❑
Positions the patient correctly and ensures an appropriate environment		Yes ❑ Prompted ❑ No ❑
2. The scan Sets up the equipment acceptably		Yes ❑ Prompted ❑ No ❑
Probe selection, handling and scanning technique		Yes ❑ Prompted ❑ No ❑
Demonstrates the diaphragm and pleural space	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Demonstrates the vertebral line		Yes ❑ Prompted ❑ No ❑
Identifies / describes appearance of pleural fluid	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Demonstrates pleural line and pleural sliding	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Assesses all antero-lateral rib spaces	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Demonstrates comet tails / B-lines		Yes ❑ Prompted ❑ No ❑
Demonstrates M-mode signs		Yes ❑ Prompted ❑ No ❑
Identifies / describes appearance of pneumothorax	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Thoroughness (sweeps diaphragm, >2 rib spaces)	**KEY STEP**	Yes ❑ Prompted ❑ No ❑
Efficiency / Speed of scan		Yes ❑ Prompted ❑ No ❑
Saves/prints/documents *(As per local policy)*		Yes ❑ Prompted ❑ No ❑
3. Post scan Appropriate interpretation of the findings		Yes ❑ Prompted ❑ No ❑
Result correctly integrated into clinical scenario		Yes ❑ Prompted ❑ No ❑

Self Assessment (circle) **: A B C**	**Competency Level**	
Guide	**Level**	**Assessor (Print and Sign level)**
Virtually no prompting required	**A. Advanced / Instructor potential**	
Some prompting required	**B. Competent to scan and interpret findings independently**	
Significant prompting required and/or Any KEY STEP requires prompting	**C. Requires reassessment. If scanning alone cannot rely on negative findings**	