

Point of Care Ultrasound (PoCUS)

Competency Assessment Forms

SHOCK (IVC)

Competency E - Shock/Resuscitation (IVC) 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 hypotensive patient, any patient requiring iv fluid resuscitation. 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 present with unexplained hypotension”**
5. **“Please show me the views would you use to assess the IVC in a hypotensive patient”**
6. Demonstrates knowledge of the IVC views and confidence in obtaining them. Subxiphoid longitudinal or transverse. Optional - right coronal (through liver)
7. For each view **“Please point out the structures that you can identify”**
Must be able to correctly identify the sub-hepatic IVC, liver and right atrium
8. If they fail to mention any one of the above structures then ask them to identify it.
9. **“Please describe the size and collapsibility of the IVC”**
10. **“In a hypotensive patient what IVC diameter would you consider to be large and what diameter would you consider to be small?”**
Small < than 1cm or Big > than 2cm (Note: this is just a ballpark guide)
11. **“What are potential causes a Small and Collapsing IVC in a hypotensive patient”**
Hypovolemic shock, Sepsis, etc
12. **“What are potential causes a Large and Non-Collapsing IVC in a hypotensive patient”**
P.E., Cardiac tamponade, Cardiogenic shock, etc
13. **“Please save an image or clip”**

Competency E - Shock/Resuscitation (IVC)

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 <i>Greet the patient appropriately and identify the patient. Demonstrate appropriate attitude and professional manner</i>		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Knowledge of core indications		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Positions the patient correctly and ensures an appropriate environment		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
2. The scan Sets up the equipment acceptably		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Probe selection, handling and scanning technique		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Identifies IVC in LS and/or TS	KEY STEP	Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Assesses intrahepatic IVC diameter and respiratory phase collapsibility		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Thoroughness (complete interface)	KEY STEP	Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Efficiency / Speed of scan		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Saves/prints/documents (<i>As per local policy</i>)		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
3. Post scan Appropriate interpretation of the findings		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
Result correctly integrated into clinical scenario		Yes <input type="checkbox"/> Prompted <input type="checkbox"/> No <input type="checkbox"/>
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	