



The College of
Emergency Medicine

College of Emergency Medicine

Emergency Medicine Ultrasound

Core (Level 1) competency

Workplace Based Triggered Assessment - 2010

Before using this document, a trainee should have completed a suitable theory course or series of modules, and received hands-on instruction. They should then have carried out supervised practice with maintenance of a log.

This document covers all workplace based assessments in level 1 (ie Focussed Assessment of the Abdominal Aorta, FAST, Ultrasound assisted Vascular Access, and Echo in Life Support) and is to be used alongside a training log.

When trainees are confident that they are ready for a formal assessment, the relevant section of the document is completed by an assessor who watches an actual patient scan. When each section is successfully completed, the whole document forms proof of achieving competency.

The College of Emergency Medicine
Churchill House
35 Red Lion Square
London WC1R 4SG

Trainee information, theory training and log summary

Trainee's Name:	Year EMUS training started:	Trainer:
CT / HST / Non-training / Post CCT (circle)	School or Deanery:	Regional EMUS Co-ordinator:

Theoretical and hands-on training

To cover basic theory

- All 6 Enlightenme sessions completed (Indications, Physics, Image acquisition, FAST, Aortic assessment and Vascular access)

To cover basic practice

- CEM approved course, **OR** local modular training

Certified as complete by _____ (signed by above named Trainer)

Date completed _____

Logged Experience

Evidence provided of scans carried out. Follow up notes and reflective writing on 10 case studies.

Certified as complete by _____ (signed by above named Trainer)

Date completed _____

Section A -Triggered Assessment in Focussed Assessment of the Aorta

Date

Location

Within each of the following three sections, the learner must:	Medical assessors comments recorded during the assessment	Competent?
<u>1. Preparation for the scan</u> Greet the patient appropriately and identify the patient with the notes		
Confirms that the indication for the procedure is within own competency		
Positions the patient correctly		
Demonstrates appropriate attitude and professional manner		
<u>2. The scan</u> Sets up the equipment acceptably <ul style="list-style-type: none"> ○ Patient details ○ Body marker insertion 		
Probe selection, handling and scanning technique		
Acquisition of the best possible image Identifies IVC and Aorta in LS and TS Identifies SMA Measures AP diameter of aorta accurately		
Timelines <ul style="list-style-type: none"> ○ Knows when to scan ○ Speed of scan 		
Saves/prints		
<u>3. Post scan</u> Informs the patient appropriately		
Makes a record of the findings		
Knows if a repeat scan would be useful		

Section B -Triggered Assessment in FAST

Date

Location

Within each of the following three sections, the learner must:	Medical assessors comments recorded during the assessment	Competent?
<u>1. Preparation for the scan</u> Greets the patient appropriately and identify the patient with the notes		
Confirms that the indication for the procedure is within own competency		
Positions the patient correctly		
Demonstrates appropriate attitude and professional manner		
<u>2. The scan</u> Sets up the equipment acceptably <ul style="list-style-type: none"> ○ Patient details ○ Body marker insertion 		
Probe selection, handling and scanning technique		
Acquisition of the best possible image: Demonstrates Morison's pouch Demonstrates the spleno-renal interface Demonstrates potential fluid in the pelvis Demonstrates pericardial views Demonstrates the pleural space and can identify fluid		
Timelines <ul style="list-style-type: none"> ○ Knows when to scan ○ Speed of scan 		
Saves/prints		
<u>3. Post scan</u> Informs the patient appropriately		
Makes a record of the findings		
Interprets and reports findings appropriately		
Knows if a repeat scan would be useful		

Section C -Triggered Assessment in Vascular Access

Date

Location

Within each of the following three sections, the learner must:	Medical assessors comments recorded during the assessment	Competent?
<u>1. Preparation for the scan</u> Greets the patient appropriately and identify the patient with the notes		
Confirms that the indication for the procedure is within own competency		
Positions the patient correctly		
Demonstrates appropriate attitude and professional manner		
<u>2. The scan</u> Sets up the equipment acceptably <ul style="list-style-type: none"> ○ Patient details ○ Body marker insertion 		
Probe selection, handling and scanning technique		
Acquisition of the best possible image Demonstrates the internal jugular vein Demonstrates a peripheral vein Indicates the technique to cannulate (may be ultrasound assisted or guided if peripheral)		
Timelines <ul style="list-style-type: none"> ○ Speed of scan 		
Saves/prints		
<u>3. Post scan</u> Informs the patient appropriately		
Makes a record of the findings		
Interprets and reports findings appropriately		
Indicates if a CXR is needed (ie in CV access)		

Section D - Echo in Life Support

Date

Location

Within each of the following three sections, the learner must:	Medical assessors comments recorded during the assessment	Competent?
<u>1. Preparation for the scan</u> Greets the patient appropriately and identify the patient with the notes		
Confirms that the indication for the procedure is within own competency		
Positions the patient correctly		
Demonstrates appropriate attitude and professional manner		
<u>2. The scan</u> Sets up the equipment acceptably <ul style="list-style-type: none"> ○ Patient details ○ Body marker insertion 		
Probe selection, handling and scanning technique		
Acquisition of the best possible image: Demonstrates subxiphoid view plus one other cardiac view (eg long axis parasternal) Identifies pericardial space and any fluid that is present. Identifies presence / absence of ventricular wall motion, globally and focal. Comments appropriately on right and left ventricular size and can decide if RV dilated. Identifies IVC in LS. Assesses IVC diameter and collapsibility.		
Timelines <ul style="list-style-type: none"> ○ Speed of scan 		
Saves/prints		
<u>3. Post scan</u> Informs the patient appropriately		
Makes a record of the findings		
Interprets and reports findings appropriately		
Indicates if a CXR is needed (ie in CV access)		

Summary

	(a) Competent to scan and interpret findings independently	(b) Needs Supervision. If scanning alone cannot rely on findings	(c) Not competent at this stage	Signed and dated
Assessment of the abdominal aorta				
FAST				
Vascular access				
Echo in Life Support				

Once (a) has been achieved in all four areas, final sign –off can occur.
If not, advice from trainer:

FINAL SIGN-OFF

Trainee name in print _____

This doctor is certified as competent in Level 1 Emergency Medicine Ultrasound, as defined by the College of Emergency Medicine, having undergone theoretical and practical training and demonstrated competency in all required areas.

Signed by:

Regional Ultrasound Co-ordinator (print / sign) _____

Date _____ Further advice _____
