

1. Completion of a Core (Level 1) RCEM approved course

All Cstems are provided with a Core US training Day, once in their 3 years. This is an approved RCEM Level 1 Course

If you want to run a level 1 course eg for non-trainees or for consultants, you can send a copy of the course content, and the names of faculty, to the National Ultrasound Lead for approval as an approved Level 1 Course

2. Completion of 7 RCEM Learning Modules

<http://www.rcemlearning.co.uk/>

- Indications,
- Physics,
- Image acquisition,
- eFAST,
- Aortic assessment,
- Echo in Life Support,
- Vascular access

It is useful for trainers to have completed these, to know what content is on them and for CME.

3. General Logbook

Core accreditation is aimed to be competency based and not numerically defined (i.e. solely based on numbers of scans undertaken). However, it is advised that the General logbook should include a **MINIMUM** of:

- 10 eFAST scans
- 10 AAA scans
- 5 Vascular accesses using USS of which **AT LEAST 1** must be central access
- 10 ELS scans of which **AT LEAST 5** must be in full cardiac arrest
- There should be a **MINIMUM** of 50% of these performed with supervision from an accredited Core supervisor.
- There should be a **MINIMUM** of 2 cases in FAST/AAA and 1 case in ELS where there were positive findings.

Trainees should have as many of these as possible supervised. There is no recommended method for gathering this data. We are working on creating an app or a data storage system to assist with this. Trainees may use the e-portfolio for the logbook.

4. Reflective Logbook (10 Case Studies)

The reflective should be presented as a powerpoint or keynote presentation using one slide per case describing – Clinical Indication, Results of Scan, How it affected management and learning point

The logbook must include at least 1 case involving each of all the 4 Core competencies (FAST/AAA/Vascular Access/ELS)

These scans should also include some pathological findings in patients and **NOT** include training scans on normal volunteers.

5. Final Sign-Off of Competency

Local

This can be organized locally by individual hospital leads, or faculty members. Ideally 2 assessors should sign off the competency of the trainee. The assessors can also be Sonographers, Echo technicians, or Ultrasound trainers from other specialties (e.g. Cardiology, Anaesthetics, Radiology etc.). The trainee must have completed steps 1 to 4 above.

Assessment documentation is shown below, and is also available in the Appendix of the RCEM Ultrasound Training Manual: [https://www.rcem.ac.uk/docs/Training/1.14.5%20RCEM-EMUS-booklet%20\(3\).pdf](https://www.rcem.ac.uk/docs/Training/1.14.5%20RCEM-EMUS-booklet%20(3).pdf)

Completed Documentation should be sent by the trainee to the National Ultrasound Lead.

National

A 'Finishing School' may be organized nationally when a group of trainees are ready for assessment.

The elements of the 'Finishing School' are:

- OSCE –style
- Candidates bring proof of completion of the steps 1 to 4 outlined above
- 'Practice stations'
- 'test stations'
- One for each of the 4 modules
- Ideally tested twice by 2 separate examiners

Other

Trainees can opt to get signed off in another jurisdiction, in an RCEM-approved Finishing School