

Harbor-UCLA PEM Faculty Ultrasound Training

GOALS

Provide a process by which a PEM faculty member may acquire skills to use POCUS in their practice.

OBJECTIVES

- Identify interest in learning particular PEM POCUS scans
- Learn basic use and maintenance of the department ultrasound machines
- Appropriate use of our department's POCUS infrastructure
 - Ordering, uploading, documenting scans
- Demonstrate adequate image acquisition of core PEM POCUS indications
- Image acquisition and interpretation PEM POCUS indications chosen by the learner
- Achieve Harbor-UCLA credentialing for indications chosen by the learner

PROCESS

1. **Meeting with US director** to set individualized goals and plan for them
2. Learn **Knobology**: via hands on with current US faculty, fellow, attending of an US course at a conference
3. **1:1 scanning time**: first several sessions with US faculty or fellows
 - a. Focus on one scan at a time
 - b. Practice scans on pediatric and adult patients
 - c. Save scans on USB stick
 - d. Keep track of scans in a log
4. Review and Credentialing
 - a. The minimum number of each scan must be reviewed by ultrasound credentialed faculty members (remember to ask on adult side if there are good positive examples)
 - b. Credentialing in indications verified by US Director
 - c. Once qualified to do a scan, make sure to also walk through process of study ordering in Cerner

Minimum scan numbers for each of the core indications (prioritize **bold** indications)

INDICATION	Total	Abnormal
eFAST	25	5
Cardiac	25	5
Lung	25	10
Soft Tissue	10	5
Bladder (volume)	5	n/a
OB	25	2
Vascular Access	5	n/a
MSK	10	2
Biliary	25	5
Ocular	10	2
Renal	25	5
Adv ped abdomen (appy/pyloric/intus)	25	3

ADDITIONAL RESOURCES

- Welcome to join weekly ultrasound meetings (Thursday afternoons) which include journal club, minilecture, and department QA

FUTURE DIRECTIONS

- working on simulation based curriculum
- Image interpretation focused curriculum (based on fact residents doing most of scans but need faculty member to review them)
- Competence based assessments