


Kaweah Health

GME Ultrasound Goals and Objectives

Internal Medicine

OVERVIEW

The goal of the point of care ultrasound study (POCUS) curriculum is to provide a practical and didactic experience to enable IM residents to become competent in the core POCUS applications. Residents will have competency in ultrasound physics, image generation, acquisition, and interpretation.

- Review www.kaweahem.com/ultrasound for complete details on all following items including clinical, didactics, requirements, methods, and resources
- Complete all required modules from POCUS 101
- Demonstrate competency in the core emergency ultrasound applications by performing at least 224 total scans (a minimum of ten in each category is suggested): EFAST, aorta, trans-tracheal echocardiography, chest, biliary, renal, lower extremity venous, musculoskeletal, soft tissue, bowel, and ocular at this suggested pace
 - 1 exam per hour x 8 hours the first week = 32 exams
 - 2 exams per hour x 8 hours the 2nd to 4th week = 64 exams each week
 - Total of 224 exams adjusted per GME excused days off
 - Be listed as the primary performer for at least 75% of the exams
- Demonstrate competency in the core emergency ultrasound applications in procedural guidance
- Know how to correctly clean, stock and maintain the ultrasound units
- Demonstrate ability to perform, interpret, and assign exams to attendings in Synchronicity 
- Demonstrate commitment to research by enrolling patients in any ongoing ultrasound research

CLINICAL AND DIDACTICS

- Provide a schedule (subject to final approval) on the first day of the rotation
- Schedule scanning shifts every weekday except for Thursday which is conference in the morning and image review in the afternoon. Do not schedule a scanning shift on Thursday without prior approval
- Aim to do more solo shifts, e.g. afternoon and nights, the last **two to three** weeks of the rotation
- Introduce yourself daily to all clinicians & check the ED tracking board for scanning opportunities
- When the ultrasound faculty and fellows are present, they will provide hands-on education and supervision. If not, the resident will scan under the supervision of the patient's attending physician and have them reviewed at QA

Requirements and Methods

Passing requirements for rotation include:

- Complete all required modules in the 4-week POCUS 101 Course
- Perform a minimum of 225 scans as outlined previously
- Attend program specific conference days, journal clubs, QA, and all ultrasound lectures
- Set up room and US equipment for SIM/US workshops occurring during conference times
- Demonstrate competency via observation and Standardized Direct Observed Testing
- Demonstrate ability to use Sim Lab BodyWorks Eve and HeartWorks Adam
- Maintain equipment via appropriate cleaning, stocking and archiving

Assessment Methods:

- The resident will receive written evaluation at rotation's end. Formative feedback (ways to improve) will be provided to the resident during the rotation. The aim is early recognition of both good and poor performance while there's time for mid-course adjustments
- A resident whose performance is substandard will be counseled and remediated during the rotation. The aim being successful completion of the rotation with a high-performance standard on all metrics described in this document.
- The resident can access all the written evaluations online through New Innovations.

Assessment Method (Program Evaluation)

1. At any time during the rotation, the resident on service is invited to discuss any aspect of his/her experience with their Program Director. Confidentiality about any sensitive disclosures will be maintained. Needed discussions and mid-course corrections and improvements to the rotation will be addressed as required.
2. All residents will be asked for both confidential written and open verbal feedback on this rotation (and all others) at the end of the rotation and during the Emergency Department's annual program evaluation. Residents are also invited to discuss this rotation (and all others) during their resident-only meetings.
3. Program graduate performance in subsequent training programs will be used to identify areas for improvement in the content of the rotation.