EMERGENCY ULTRASOUND EMU-2 (2 weeks) or EMU-4 (4 weeks)

Location: LAC+USC Medical Center

DIRECTOR: Talib Omer, MD RDMS
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COORDINATOR: Hiralda Godoy
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REPORT TO: ED West (1st floor D&T building), Doctor’s room on the first Monday of the rotation (exact time TBA)

PREREQUISITE: MS-IV only, priority given to students intending to apply to Emergency Medicine Residency

DURATION: 2 weeks (Students wishing to have a longer experience in EM Ultrasound should sign up for the 4 week elective - EMU4)

DATES OFFERED: July - April

Rotations are scheduled: to begin on 7/1, 7/15, 7/29, 8/12, 8/26, 9/9, 9/23, 10/7, 10/21, 11/4, 11/25, 12/9, 1/6, 1/20, 2/3, (Tues., 2/18), 3/2, 3/16, 3/30, 4/13

NUMBER OF STUDENTS: 2 maximum at any time.

VISITING STUDENTS: For those who apply to our May-Nov rotations, you must email the following to hgodoy@usc.edu for your application to be considered complete:

1. Top 3 preferred start dates
2. Specialty/Specialties you will be applying to
3. Name of your EM faculty advisor

COURSE OBJECTIVES:
Students will be able to:
1. Operate an ultrasound machine to obtain images, understanding how to select the proper probe for the given study, how to adjust gain and depth to optimize the image, and how to save appropriate images.
2. Recognize indications for emergency ultrasound.
3. Learn how to integrate ultrasound into the clinical workup of multiple patient presentations in the Emergency Department.
4. Understand how bedside ultrasound improves patient care.
5. Gain proficiency in the core emergency ultrasound applications (cardiac, OB/Gyn, renal, aorta, hepatobiliary and focused trauma assessment) through the performance of multiple bedside exams with direct proctoring by the ultrasound teaching staff.
6. Become familiar with advanced emergency ultrasound applications (DVT, ocular, soft tissue, and procedural applications).
7. Review the anatomy examined by each ultrasound approach to reinforce a basic understanding of the human anatomy essential to medical practice.
8. Perform at least 50 independent ultrasound exams over the course of the two-week rotation.
9. Present one interesting ultrasound case and two journal club articles over the course of the rotation.
10. For 4-week rotations only: Write up and one publishable ultrasound case report and submit to a Journal.

INSTRUCTION:
75% Supervised EM Ultrasound
7.5% Lectures
7.5% Video-based Quality Assurance/Improvement
10% Independent Study / Daily online modules

DESCRIPTION:
Under direct supervision by faculty, staff, and residents, patients are evaluated in the emergency department (major and minor medical and trauma areas, including the Pediatric ED). Experience is gained in the use of bedside ultrasound in the diagnosis, treatment and disposition of many patients with undifferentiated complaints. Students will work at least 40 clinical hours per week. The student is also expected to participate in weekly departmental conferences (Thursday mornings) and weekly ultrasound educational conferences (Wednesday mornings).

EVALUATION:
Students will receive continuous feedback on their performance during the rotation by EM ultrasound faculty and fellows. The course director will write a summary evaluation, based on evaluations by faculty and residents. Students will be graded Pass/Fail based on their work during the elective. Students intending to request a letter of recommendation need to pursue the 4 week elective (EMU-4)

Selective Attendance and Illness Policy
In order to insure adequate clinical exposure, no more than 3 days of excused absences (to include official Holidays) can be accepted during a selective. Avoid absences on Wednesday, a maximum of one excused Wednesday can be missed. This policy does not imply that absences are guaranteed; absences may be excused at the discretion of the faculty. Absence due to illness must be reported to the faculty or his/her designee as soon as possible. In case of extended absence (2 days or more), a note from a physician (who is not a relative) is required and the absence will be reported to the Office of Student Affairs. A physician note may be requested for any absence, at the discretion of the faculty.

Students will generally be required to make up days before a passing grade can be assigned. All absences must be excused and any planned absence must be registered with the preceptor prior to the first day of the elective. Students should take vacation time if he/she anticipates a need for more than 3 absences during a selective. USMLE and BLS/ACLS will not be considered excused absences.