

EMERGENCY MEDICINE

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CLERKSHIP

Surgical Approach to the Patient Clerkship This twelve-week integrated clerkship block is composed of surgery and emergency medicine rotations. As disciplines with a heavy emphasis on procedures and management of acute disease, surgery

and emergency medicine share didactic sessions and simulation-based training over the course of the rotation. An appreciation of the basic and clinical sciences, critical thinking, and problem-solving in a fast-paced varied environment is experienced by learners. Given the complexity of patients with acute and critical illness, a high degree of professionalism and emotional intelligence is an essential skill during these rotations.

ELECTIVE

Emergency Medicine Medical Simulation Elective During this two- or four-week medical simulation elective at the Yale Center for Medical Simulation (YCMS), participants gain an immersive experience participating in medical simulation for medical education within the Yale School of Medicine. During the elective, students participate as learners in high-fidelity medical simulation cases and procedural sessions on topics related to the students' desired specialty/topic of interest. The students' topic of interest is decided on by the student and discussed with the course director prior to the start of the elective. Students also participate in medical simulation as educators and facilitators by participating as actors in medical simulation cases for medical students and residents rotating through YCMS. Students have the opportunity to participate in all educational activities within YCMS including simulation cases, debriefing sessions, procedural sessions, and in-situ simulations (simulations which take place in the clinical environment). Students also create and program a medical simulation case during their rotation on their topic of interest under the mentorship of YCMS faculty, using evidence-based medicine resources. Students will be given one-on-one instruction on how to program their case. Students can also participate in simulation-based journal clubs, a simulation debriefing course and simulation-based medical student preceptor sessions if they fall during the time of their selected rotation.

Emergency Medicine Point-of-Care Ultrasound Elective This two- or four-week experience introduces the student to the use of ultrasound at the bedside. Attention is paid to image acquisition, machine optimization, and image interpretation. Students may perform cardiac, pulmonary, general abdominal, pelvic, soft-tissue, trauma, and hypotension evaluation ultrasounds. In addition, there are opportunities for the student to participate in supervised ultrasound-guided procedures (central and peripheral vascular access, abscess drainage, paracentesis, regional analgesia). The bulk of time is spent performing ultrasounds in the emergency department, with one half-day a week spent reviewing recorded examinations, their influence in clinical management, and scanning techniques. Educational materials are provided. While the focus of this rotation is the sonographic evaluation of the emergency patient, students considering almost any specialty may benefit as clinician-performed ultrasound continues to expand. Students are assigned daily scanning shifts that do not carry any clinical responsibility but offer exposure to the clinical environment. It is not the same as the combined Emergency Medicine/Ultrasound Subinternship, in which the student is primarily assigned clinical shifts to demonstrate knowledge, proficiency, and workflow, and also receives exposure to ultrasound through a few scan shifts and image review sessions.

Subinternships

Combined Emergency Medicine/Ultrasound Subinternship At Yale New Haven Hospital, combined emergency medicine/ultrasound subinterns complete a four-

week rotation comprising ten clinical shifts, six scanning shifts dedicated to bedside ultrasound, and didactic activities. On clinical shifts, subinterns are expected to function as interns, evaluating patients primarily, managing multiple patients simultaneously, and presenting directly to the senior resident and attending physician. Students see a broad case mix in the emergency department and are expected to generate coherent, problem-focused, differential diagnoses. They are involved in all aspects of patient care including updating patients and families, calling consultants, and performing procedures. They rotate with a variety of attendings and are exposed to faculty from all sections of the emergency department, but they spend a majority of their shifts with ultrasound-trained faculty to maximize their ability to incorporate bedside ultrasound into clinical evaluation. Scanning shifts are dedicated to the skills of performing and interpreting bedside ultrasounds and are typically supervised by a senior resident or ultrasound fellow. Attention is paid to image acquisition, machine optimization, and image interpretation. Diagnostic pelvic, vascular, cardiac, pulmonary, biliary, trauma, and soft-tissue sonography are introduced. In addition, there are opportunities for the student to participate in supervised ultrasound-guided procedures (central and peripheral vascular access, abscess drainage, paracentesis). Didactic activities include resident educational conference and ultrasound image review. This is an advanced elective. Applicants must have completed or plan to complete an Emergency Medicine rotation prior to starting this elective.

Emergency Medicine Subinternship At Yale New Haven Hospital, emergency medicine subinterns complete a four-week rotation composed of clinical shifts and didactic activities. Students complete sixteen shifts of eight hours' duration. Students are expected to function as interns, evaluating patients primarily, managing multiple patients simultaneously, and presenting directly to the senior resident and attending physician. Students see a broad case mix in the emergency department and are expected to generate coherent, problem-focused, differential diagnoses. They are involved in all aspects of patient care including updating patients and families, calling consultants, and performing procedures. They rotate with a variety of attendings and are exposed to faculty from the sections of education, ultrasound, critical care, global health, administration, and EMS. Didactic activities include resident educational conference, ultrasound image review, and simulation. Prerequisites: Internal Medicine and General Surgery Clerkships.