

Department of Emergency Medicine

Website: <https://emergencymedicine.wustl.edu/>

Courses

EMED 8010 Medical Toxicology (Clinical Elective)

This rotation offers practical experience in the evaluation and management of the acutely ill, poisoned, envenomated, or intoxicated patient. Students will function as sub-interns and either report to the senior resident, toxicology fellow, or directly to the toxicology attending. Students will gain familiarity and experience evaluating and treating patients who have intentionally and unintentionally overdosed on medications or illicit drugs or have substance use disorders, been envenomated (such as by spiders, snakes, or other reptiles), or been exposed to toxic substances or chemicals. Students will also gain experience in prescribing antidotes and learning to properly decontaminate someone after an ingestion or exposure.

Credit 4 units.

Typical periods offered: Medicine Year

EMED 8015 Emergency Ultrasound (Clinical Elective)

Point of care ultrasound is an integral diagnostic and procedural tool for nearly every clinical specialty, but is vitally important to Emergency Medicine. Ultrasound examination at the bedside is noninvasive, painless, and repeatable unless many other common diagnostic tests. However, like all procedures, developing ultrasound skills takes a significant amount of practice and experience. This rotation will focus on clinical ultrasound image acquisition and interpretation at the bedside. Students will participate in the performance of bedside ultrasound of patients in the Emergency Department. Common applications of Emergency Ultrasound include the FAST exam, pelvic ultrasound, Abdominal Aortic Aneurysm (AAA), vascular access, renal, ocular, cardiac ultrasound, and DVT. Students will be involved in direct patient care during this rotation as part of the ultrasound team in the Emergency Department. In general, the student will be in the Emergency Department during weekdays to perform these exams. In addition, the student will meet with the Elective Instructor approximately once per week, to review images or for direct hands-on instruction. At the end of the rotation, the student should be able to obtain images for basic point of care ultrasound examinations and interpret those images for diagnostic purposes. Students may also have the opportunity to practice ultrasound-guided procedures during the rotation.

Credit 2 units.

Typical periods offered: Medicine Year

EMED 8021 Emergency Medicine (Clinical Elective)

This four week elective will encompass all aspects of Emergency Medicine, with clinical time spent in the main urban trauma center as well as in a community setting. In addition, to seeing a wide range of pathology at the two sites, students will be given the opportunity for a 1:1 teaching shift, toxicology shift, and nursing shift, as well as a shift with ancillary departments such as social work and respiratory therapy. Students will be expected to attend grand rounds and teaching lectures as well as team-based learning and simulation sessions. Students will

work in the trauma/critical care area and general medicine areas of the ED, and are expected to see patients independently, present to the team, perform basic procedures with guidance, call consults, and sign out patients to the oncoming team.

Credit 4 units.

Typical periods offered: Medicine Year

EMED 8301 EMS: Emergency Medical Services (Clinical Elective)

The Emergency Medical Services (EMS) elective is hosted by the Division of EMS within the Department of Emergency Medicine. EMS is a growing subspecialty of medicine that focuses on the care of patients in the prehospital setting. EMS physicians provide direct and indirect medical direction, build systems of care, and treat patients in the prehospital setting. EMS cares for patients of all ages and all acute medical problems. This elective offers students an immersive EMS experience through observational ride along shifts with local EMS agencies, time with EMS physician medical directors, and self-directed learning assignments. EMS conference is held Friday mornings and includes didactics, workshops, and simulations with EMS faculty, EMS fellows, and emergency medicine residents.

Credit 2 units.

Typical periods offered: Medicine Year

EMED 9100 Emergency Medicine Advanced Clinical Rotation (ACR)

This rotation offers practical experience in the evaluation and management of acutely sick and injured patients. Students will function as subinterns, initially evaluating their assigned patients, and developing a plan for further diagnostic studies and therapy. They will report to a senior level resident or an attending physician. The student can expect the opportunity to perform or assist with a wide variety of procedural skills such as suturing, splinting, peripheral and central venous access, ultrasound, and cardiopulmonary resuscitation. Shifts will be eight hours and students will rotate between day, evening, and night shifts (including weekend shifts) to gain maximum exposure to all types of emergencies. The majority of shifts will occur at Barnes-Jewish Hospital; however, additional shifts may be scheduled at Barnes-Jewish West County Hospital and Missouri Baptist hospital, community teaching hospitals approximately 14 miles away. Students will also be expected to attend weekly grand rounds and student lectures covering aspects of the core content of Emergency Medicine as well as attend a departmental journal club and student simulation session. Students will gain an understanding of other disciplines closely associated with Emergency Medicine by doing rotations with either social work, nursing, or respiratory therapy. Students will also gain knowledge of the triage system during their time in the department. If schedules allow, students interested in EM will be doing 1:1 shifts with a single attending during their rotation as well as having a teaching shift with the education resident and fellow.

Credit 4 units.

Typical periods offered: Medicine Year