

Trauma & Emergency Surgery

SU 420.99

General Information

COURSE CHAIR: Nicolas Melo, MD

STUDENT COORDINATOR: Linda Heineman

E-MAIL: MedStudentInquiries@cshs.org

STUDENTS / PERIOD: max 1 min 1

DURATION: 4 weeks

Electives at Cedars-Sinai start in May. Please visit our [VSLO](#) catalog for dates and to submit your application.

Requirement(s)

1. USMLE Step 1 Score
2. Two Letters of Recommendation

Description

This sub-internship is intended to provide the student with in-depth knowledge of patient care as it relates to trauma and non-trauma emergency surgically diseases. The student is expected to function at the level of a junior resident and be on the scene for first-line evaluation and management of patients in the emergency room. In addition, it is expected that the student maintains close follow-up of the patient's progress on a daily basis. In addition, the student is involved in formal daily bedside presentations, and case presentations which are all teaching sessions.

Course Objectives

1. Knowledge of principles of blunt and penetrating trauma patient resuscitation with regards to primary and secondary evaluation.
2. Ability to resuscitate the injured patient using advanced trauma life support algorithm.
3. Ability to concisely make a patient presentation appropriate to the multi—system trauma patient scenario.
4. Knowledge of common causes of hemorrhage and management of blunt head injury, including use of adjunctive medications, such as steroids, thyroid hormone, mannitol, blood products, etc.
5. Ability to manage acutely ill patients with multi-system trauma in an evidence-based and cost-effective manner.
6. Knowledge of appropriate use and interpretation of imaging modalities, such as plain x-ray, ultrasound (FAST scan), MRI, CT scan to diagnose and manage trauma injuries.
7. Ability to safely perform common bedside procedures, including chest tube placement, cut-downs, venous and arterial access, reduction of fractures, cervical spine immobilization, and airway management.

Course Objectives (Cont.)

8. Knowledge of indications for operative management of blunt and penetrating traumas.
9. Evidence-based management of common emergency surgical conditions, such as appendicitis, cholecystitis, bowel obstruction, mesenteric ischemia, and perforated duodenal ulcer.
10. Interpretation of abnormal laboratory values, including venous samples and arterial blood gases.

Student Experiences

COMMON PROBLEMS/DISEASES

- Blunt Trauma
- Penetrating Trauma
- Blunt Head Injury
- Appendicitis
- Cholecystitis
- Acute abdomen
- Shock
- Altered mental status

INPATIENT: 95%

OUTPATIENT: 5%

PRIMARY CARE: 100%

CLOSE CONTACT WITH

- Full-Time Faculty
- Clinical Faculty
- Fellows
- Residents
- Interns

Additional Information

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

In-house call once per week

One day per week off

Student is expected to participate in weekend rounds for routine patient care.

NOTE: Training will take place at Cedars-Sinai Medical Center, Cedars-Sinai subsidiaries, or other facilities with affiliation arrangements with Cedars-Sinai.