

Surgical Intensive Care

SU 455.99

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

Please visit our [VSLO](#) catalog for dates and to submit your application.

Requirement(s)

- USMLE Transcript of Scores
- Two Letters of Recommendation

Description

This sub-internship is intended to provide the student with in-depth knowledge of surgical critical care as it relates to trauma and non-trauma emergency surgical diseases. The student is expected to function at the level of an intern by managing critically ill patients with close follow-up of their progression on a daily basis. In addition, the student is involved in formal daily bedside presentations, weekly journal club presentations, and case presentations, which are all teaching sessions.

Course Objectives

- Knowledge of principles of surgical critical care as it relates to physiology and hemodynamics.
- Ability to manage acutely ill patients with surgical diseases, especially those with multi-organ system failure.
- Ability to concisely make a patient presentation appropriate to the ICU setting.
- Knowledge of common presentations of shock, including hemorrhagic shock, septic shock, and cardiogenic shock.
- Knowledge of the microbiology and evidenced-based management of hospital-acquired and ventilator-acquired infections.
- Knowledge of appropriate use and interpretation of imaging modalities, such as plain x-ray, ultrasound, MRI, CT scan to diagnoses or follow-up on critically ill patients with acute surgical diseases.
- Knowledge of appropriate bedside procedures to diagnose & treat common hemodynamic & ventilatory problems in the ICU including central line placement, chest tube placement, arterial line placement, Swan-Ganz placement, intubation & ultrasound.
- Knowledge of successful manipulation of ventilators.

Course Objectives (Cont.)

- Treatment of shock using physiologic knowledge of different vasoactive drugs.
- Evidenced-based knowledge of treatment recommendations for SIRS, ARDS, and coagulopathies.
- Knowledge of critical care record-keeping, including knowledge of a computerized data management system.

Student Experiences

COMMON PROBLEMS/DISEASES

- Shock
- Sepsis
- Acute respiratory distress syndrome
- Ventilator-associated pneumonia
- Multi-system organ failure
- Respiratory failure
- Multi-system trauma

INPATIENT: 100%

CONSULTATION: 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.