

Surgical Intensive Care

SU 455.99

General Information

COURSE CHAIR: Nicolas Melo, MD

STUDENT COORDINATOR: Mayra Cardentti Torales

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)

- 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

1. Knowledge of principles of surgical critical care as it relates to physiology and hemodynamics.
2. Ability to manage acutely ill patients with surgical diseases, especially those with multi-organ system failure.
3. Ability to concisely make a patient presentation appropriate to the ICU setting.
4. Knowledge of common presentations of shock, including hemorrhagic shock, septic shock, and cardiogenic shock.
5. Knowledge of the microbiology and evidenced-based management of hospital-acquired and ventilator-acquired infections.
6. 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.
7. 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.
8. Knowledge of successful manipulation of ventilators.

Course Objectives (Cont.)

9. Treatment of shock using physiologic knowledge of different vasoactive drugs.
10. Evidenced-based knowledge of treatment recommendations for SIRS, ARDS, and coagulopathies.
11. 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.