

Medical Intensive Care Unit (MICU)

ME 455.99

General Information

COURSE CHAIR: Isabel Pedraza, MD

STUDENT COORDINATOR'S CONTACT INFORMATION:

PHONE: (310) 423 5161 * **E-MAIL:** Medicine Education Admin Team
GroupMedicineEducationAdmin@cshs.org

STUDENTS / PERIOD: max 3 min 1

DURATION: 3 weeks

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

Requirement(s)

1. USMLE Step 1

Description

The Cedars-Sinai MICU is a 10-bed critical care facility that is fully equipped for hemodynamic monitoring, dialysis, and respiratory support. Students are expected to be knowledgeable in medicine, obstetrics, surgery, and physiology and to have a major interest in the medical management of the critically ill.

Course Objectives

1. Knowledge of the pathophysiology, differential diagnosis, and medical management of critical illnesses.
2. Clinical skills: medical interviewing, physical examination, and integration of data obtained from invasive hemodynamic and respiratory monitoring.
3. Medical decision making: analysis of medical risk benefit ratios and understanding of ethical and legal issues.
4. Diagnosis and management of complex in-patient problems, including pre and post-operative surgical care.
5. Oral presentations of clinical cases.
6. Knowledge of pharmacology of cardioactive drugs, bronchodilator therapy, parenteral nutrition, and antibiotics
7. Familiarity with hemodynamic monitoring equipment, mechanical ventilators, and dialysis devices
8. Basic science and pathophysiology of critical illness.
9. Interaction with critically ill patients and their families.

Student Experiences

COMMON PROBLEMS/DISEASES

- Acute Respiratory Distress Syndrome
- Septic shock
- GI hemorrhage
- Complicated respiratory failure
- CNS catastrophes
- Drug intoxications
- Acute renal failure
- Acid-based and electrolyte imbalance
- Acute liver failure
- Acute myocardial infarction & failure

INPATIENT: 100%

PRIMARY CARE: 100%

CLOSE CONTACT WITH

- Full Time Faculty
- Clinical Faculty
- Fellows
- Residents
- Interns
- Other: Pharmacists



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Typical Schedule

Approx. # of Patients Eval./Each Week by Service	25
Typical Monday	6:30am – Work Rounds 8:00am – ICU Rounds 12:00pm – Dept. of Med Conf. 4:30pm – ICU Sign-out Rounds
Typical Tuesday	6:30am – Work Rounds 8:00am – ICU Rounds 12:00pm – Dept. of Med Conf. 4:30pm – ICU Sign-out Rounds
Typical Wednesday	6:30am – Work Rounds 8:00am – ICU Rounds 12:00pm – Dept. of Med Conf. 4:30pm – ICU Sign-out Rounds
Typical Thursday	6:30am – Work Rounds 8:00am – ICU Rounds 12:00pm – Dept. of Med Conf. 4:30pm – ICU Sign-out Rounds
Typical Friday	6:30am – Work Rounds 8:00am – ICU Rounds 12:00pm – Dept. of Med Conf. 4:30pm – ICU Sign-out Rounds
On-Call Schedule	Students on this elective will be on call every third night and will participate during weekend rounds.
Weekend Activities	Students on this elective will be on call every third night and will participate during weekend rounds.
Additional Comments/Special Requirements	Each student will be assigned to a team consisting of a resident and an intern on-call every third night. The students will be under the supervision of full-time attendings and private physicians. Daily work rounds are held with the attending physician and fellow in critical care medicine. Numerous subspecialty consultants from the private and full-time attending staff are available. In addition, formal didactic conferences will be given four times weekly.