

Clerkship Title: MEDICAL INTENSIVE CARE/ CRITICAL CARE
MEDICINE

Location: LAC + USC Medical Center

Credit Level: Selective A or Elective

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Length of time: 4 weeks
Dates offered: all year
Number of students: 6
Visiting students from other US medical schools? n/a
Prerequisites: MS IV only

Place and time must report on first day: GNH MICU 6200 at 7:00 a.m.

Textbooks/Availability:

- Civeta, Critical Care
- Dantzker, Cardiopulmonary Critical Care

Learning Objectives – At the conclusion of the clerkship the student should be able to:

1. Medical students will act as sub interns in the MICU and will provide primary care to the patients in the MICU.
2. Medical students are required to attend all scheduled daily activities.
3. Medical students should be competent interpreting hemodynamic data upon completion of their MICU rotation.
4. Medical students should understand the basic modes of mechanical ventilation.

Introduction

- The LAC + USC Medical Center is one of the largest acute care hospitals in the United States. The newly expanded 26-bed MICU was recently modernized in 1991. In addition to state of the art monitoring systems and ventilator equipment, the MICU was equipped with bedside computerized work stations which incorporate all of the daily vital signs, reparatory and hemodynamic data, as well

as laboratory and ABG results. This technologically advanced system allows for expedient access to patients' clinical data.

- The LAC + USC MICU provides care for a vast patient population with a tremendous variety of pathology. This unique clinical exposure provides an excellent academic opportunity to medical students. It is the goal of the Division of Pulmonary and Critical Care Medicine to provide outstanding patient care and academic atmosphere conducive to expansion of knowledge in Critical Care Medicine. We are hopeful medical students will find their rotation in the MICU enjoyable and rewarding.

The Team Concept

- The MICU is divided into two units, MICU 1 (6200) and MICU 2 (6036). A fellow and an attending physician are assigned to each MICU. The MICU house staff is organized into teams A-F. Each team consists of one resident and 2-3 interns. A maximum of six medical students will rotate through the MICU at any one time. One medical student will be assigned to each team. Under the supervision of the fellow and attending physician, each team manages the care of their patients. Each team takes call every third night and is responsible for all new admissions and all the patients in their unit. Medical Students will be expected to take call with their team and pick up one patient. Students will be allowed to go home on their call night. Medical students must attend all scheduled daily activities. It is essential that the teams work closely together and medical students must be devoted to the MICU during their one month rotation to facilitate the highest quality care for their patients and to maximize their academic experience in Critical Care Medicine.

Orientation

- An ICU fellow and the attending physician will orient incoming medical students to the MICU.

Teaching Sessions

- The ICU fellow is responsible for conducting weekly teaching sessions for the medical students and house officers. Teaching sessions are Monday, 8:30 a.m. – 9:30 a.m. Topics that should be covered include ventilator management, hemodynamic monitoring, management of chest tubes, etc. Medical students may attend the Pulmonary and Critical Care Conferences held in the conference room (11-321), Tuesday – Friday, 8:30 a.m. – 9:30 a.m.

Scheduled Daily Activities

7:00 a.m. – 8:30 a.m.	Fellow work rounds
10:00 a.m. – 12:00 noon	Attending rounds
4:00 p.m. – 5:00 p.m.	Fellow sign out rounds

MICU rounds begin sharply at 7:00 a.m. A management strategy and work list should be generated on all patients during the fellow's work rounds. To maximize efficiency of morning rounds, it is important for medical students and house officers to have available

all laboratory and imaging studies at the bedside. All medical students and house officers in each unit round together on all patients in that unit.

Attending rounds are teaching rounds and are an opportunity to discuss the management of all the patients in the MICU.

Sign out rounds are to be attended by all medical students and house officers, the fellow on call and the MICU fellow. The medical students and house officers should generate a work list on each of their patients for the on-call team. In addition, it is the MICU fellow's responsibility to generate a list of patients that potentially could be transferred to the floor or to a CMA bed in the event the MICU is full and another patient is in greater need of an MICU bed. Post-call and off-call teams are expected to manage their patients throughout the day and attend all scheduled activities including sign out rounds.

Notes

- Medical students will be expected to write daily notes on their assigned patients. Medical students will be expected to follow a maximum of two patients. The MICU resident and fellow will co-sign daily notes on the medical student's patients.

Procedures

- Many of the patients in the MICU require hemodynamic monitoring. Medical students are encouraged to participate in ICU procedures under the supervision of the MICU fellow. House officers will have priority over medical students in performing ICU procedures. To minimize line sepsis, all central line placement, Swan Ganz catheter placement, and arterial line placement must be performed using sterile technique including masks, sterile gloves and gown.

Days Off

- Medical students will be expected to take call with their assigned team. Medical students are excused from the MICU on weekends if they are not on-call.

Evaluation

- The medical students will be evaluated by the MICU Fellow and will be co-signed by the Attending Physician.