

## **SICU Elective for 4<sup>th</sup> year medical students**

The Critical Care Medicine Faculty is a multi-disciplinary team with members from both the Departments of Surgery and Anesthesiology.

### **Objectives:**

1. To prepare the medical student for the practice of critical care medicine, by instruction in the diagnosis and management of the critically ill patient.
2. To evaluate the severity of diseases in critically ill patients and to recognize, prioritize, and treat life threatening derangements.
3. To learn basic and advanced principles of airway management, oxygen transport, respiratory therapy; and institution, management, and weaning of mechanical ventilation; nutritional support, antimicrobial therapy and management of sepsis and multiple systems organ failure, and invasive techniques for CP monitoring.

### **Educational Methods:**

1. Work rounds with resident (0630 - 0730 hours)
2. Daily Teaching Rounds with Faculty (0730 - 1030 hours)
3. Daily afternoon rounds with Fellow and Residents (1500 - 1600 hours)
4. Daily lectures as scheduled.
5. One-on-one individualized instruction by physician (preceptor) residents and/or Fellows and Faculty (daily)
6. "Hands on" management of patients with direct, one-on-one supervision by physician (preceptor) resident and/or Fellows and Faculty (daily).

### **Description of the Activities of the Course:**

1. Students are expected to learn and follow SICU management guidelines, as outlined in the SICU orientation manual.
2. Each student gathers and organizes data on 2-3 critically ill patients, and this data is presented during rounds and discussed in detail with the Faculty. Students are expected to know their patients' past medical, social, and surgical histories as well as any pre-hospital medications and allergies.
3. The student will be asked to answer questions which arise on rounds and to participate in formulation of care plans.
4. After rounds, students are expected to aid SICU residents in evaluation and management of critically ill patients and implementation of the daily plan, including instituting and/or withdrawing invasive monitors (catheters), ventilatory, cardiovascular, nutritional support, and laboratory evaluation.
5. Students who express an interest in developing their procedural skills will be offered adequate instruction and supervision by senior residents and/or fellows and faculty. Procedures that students may perform include arterial line placement, central line placement, dobhoff and nasogastric tube placement, endotracheal intubation, percutaneous tracheostomy, and percutaneous feeding tube access.
6. Medical students are expected to attend morning and afternoon rounds and SICU lectures.
7. 4 overnight calls should be taken during the month's rotation. Students will stay until rounds are over or 12 noon post-call, whichever is first. There are no mandatory weekend responsibilities.