

## SURGICAL CRITICAL CARE

**Credit:** Selective A or Elective

**Location:** USC University Hospital

**Revised:** 1/26/2009

Applications will be accepted beginning February 1st of Year III for USC students and beginning May 1<sup>st</sup> for non-USC students. All applications will be accepted on a first come first served basis.

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**REPORT TO:** Surgery Clerkship Office, GNH 9240, at 8:30 am.

**DURATION:** 4 weeks

**DATES OFFERED:** Starting September of each year

**Rotations scheduled:** to begin on any Monday

**NUMBER OF STUDENTS:** 2

**VISITING STUDENTS:** Yes

**PREREQUISITES:** Surgery Clerkship

**INSTRUCTION:**

40% Supervised Patient Care

20% Attending Rounds/Small group discussion

15% Independent Study

15% Lectures

10% PowerPoint Presentations

**SUPERVISION:**

90% Faculty

10% Residents

**DESCRIPTION:**

The medical student rotation will focus on the care of non-trauma, non-cardiac postoperative surgical patients. The medical student will round daily with a critical care attending physician. The medical student will be required to give two 10-15 minutes presentations on critical care topics as part of their rotation.

**EVALUATION:**

No formal written or oral tests given. Student's performance is assessed by the faculty who work with them as for their effort, proficiency and behavior. Participation during rounds and in direct patient care is heavily weighted. All the staff will evaluate the individual student and the preceptor will summarize the overall performance in the student evaluation form.

**\*Selective Attendance and Illness Policy**

In order to ensure adequate clinical exposure, no more than 3 days of excused absences (to include official holidays) can be allowed during a selective. This policy does not imply that absences are guaranteed; absences may be excused at the discretion of the faculty. Absence due to illness must be reported to the faculty or his/her designee as soon as possible. In case of extended absence (2 days or more), a note from a physician (who is not a relative) is required and the absence will be reported to the Office of Student Affairs. A physician note may be requested for any absence, at the discretion of the faculty.

**COURSE OBJECTIVES:**

Students will be able to:

1. Discuss ICU monitoring: Swan Ganz catheters, central lines, and arterial monitoring.
2. Care for the patient in respiratory failure: ventilator management, ARDS, use of nitric oxide, and interpretation of ABG's.
3. Discuss infections in the ICU: pneumonia, line sepsis and line care, MRSA and VRE infections, infections in the transplant patient, early care of the septic patient per CDC Guidelines.
4. Discuss early postoperative care of the critical ill patient secondary to elective surgery: management of the esophagectomy patient, management of the post liver transplant patient, management of other patient's status after abdominal surgery.
5. Discuss nutrition in the ICU: TPN use, enteric feeding, Calorie and protein requirements.
6. Discuss transfusion in the ICU: treatment of anemia and treatment of coagulopathies.
7. Discuss support of the cardiovascular system: use of pressor, use of isotropic agents, and controversies in resuscitation fluids.
8. Discuss sedation and pain control.

**Daily Schedule:**

Daily ICU rounds

Weekly teaching conferences

**Call Schedule:** No night call

Students will generally be required to make up days before a passing grade can be assigned. All absences must be excused and any planned absence must be registered with the preceptor prior to the first day of the selective. Students should take vacation time if he/she anticipates a need for more than 3 absences during a selective. USMLE and BLS/ACLS will not be considered excused absences.