

**SURG 836: Surgical Critical Care Externship ASE****Course Director:** Stuart Leon, MD

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BLOCK	# Students	BLOCK	# Students	BLOCK	# Students
Block 1: 7/2/18 – 7/27/18	3	Block 4A: 9/24/18 – 10/5/18		Block 7B: 1/14/19 – 1/25/19	
Block 1A: 7/2/18 – 7/13/18		Block 4B: 10/8/18 – 10/19/18		Block 8: 1/28/19 – 2/22/19	3
Block 1B: 7/16/18 – 7/27/18		Block 5: 10/22/18 – 11/16/18	3	Block 8A: 1/28/19 – 2/8/19	
Block 2: 7/30/18 – 8/24/18	3	Block 5A: 10/22/18 – 11/2/18		Block 8B: 2/11/19 – 2/22/19	
Block 2A: 7/30/18 – 8/10/18		Block 5B: 11/5/18 – 11/16/18		Block 9: 2/25/19 – 3/22/19	3
Block 2B: 8/13/18 – 8/24/18		Block 6: 11/19/18 – 12/14/18	3	Block 9A: 2/25/19 – 3/8/19	
Block 3: 8/27/18 – 9/21/18	3	Block 6A: 11/19/18 – 11/30/18		Block 9B: 3/11/19 – 3/22/19	
Block 3A: 8/27/18 – 9/7/18		Block 6B: 12/3/18 – 12/14/18		Block 10: 3/25/19 – 4/19/19	3
Block 3B: 9/10/18 – 9/21/18		Block 7: 1/2/19 – 1/25/19	3	Block 10A: 3/25/19 – 4/5/19	
Block 4: 9/24/18 – 10/19/18	3	Block 7A: 1/2/19 – 1/11/19		Block 10B: 4/8/19 – 4/19/19	

Does this rotation accept visiting students? ☒ YES ☐ NO**COURSE DESCRIPTION:**

Students will be assigned to serve as externs in the surgical intensive care unit and will be the primary care provider for assigned patients. Very close supervision will be provided by the surgery residents assigned to the unit. Daily teaching rounds are given by attending surgeons who are board certified in critical care. This rotation is recommended for students with an interest in anesthesia or in a surgical field.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:

1. Demonstrate skills expected of interns including giving and receiving a handoff, writing inpatient orders for signature, preparing a discharge summary to share, calling a consult, and assisting in obtaining informed consent for a procedure or treatment. (PC4, PC5, PC7, CS1)
2. Define indications for mechanical intubation and parameters for extubation. (MK4, MK5, PC1, PC3)
3. Discuss basic modes of mechanical ventilation, ABG analysis, acid/base disorders and their management, and fluid and electrolyte management. (MK1, MK2, MK3, MK4, PC2, PC3)
4. Identify and treat shock (hypovolemic/hemorrhagic, cardiogenic, neurogenic, septic). (MK2, MK4, MK5, PC1, PC2, PC3)
5. Demonstrate familiarity with the management of Traumatic Brain Injury and the multi-system injured trauma patient. (PC3)
6. Demonstrate familiarity with the invasive procedures performed on patients in the STICU. (MK5, PC3, PC7)
7. Demonstrate proper and effective patient handoffs. (CS1, CS4, PR1, PR4)

**INSTRUCTIONAL METHODOLOGIES AND ROTATION ACTIVITIES:** Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Complete an Externship Log documenting level of participation in key entrustable professional activities.
2. Attending morning report daily to discuss all ICU patients on the service.
3. Daily interaction with the Surgical Critical Care Attending on rounds and at the bedside.
4. Weekly Critical Care Conference presented by the Surgical Critical Care fellow and supported by the Surgical Critical Care faculty.

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:

1. Respiratory failure
2. Shock
3. Traumatic Brain Injury
4. Multisystem injured trauma patient
5. Systemic Inflammatory Response and Multiple organ failure

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods:

1. E\*Value Clinical Performance Evaluation.
2. Direct observation of student performance.
3. Students will receive feedback about performance at the midpoint of the course.

Will students be expected to participate in call? ☐ YES ☒ NO