Does this rotation accept visiting students? ☒ YES ☐ NO

COURSE DESCRIPTION:
This course provides in-depth exposure to patients undergoing surgery for acquired cardiac disease. The student will be an integral part of the team which includes general surgery and cardiothoracic surgery residents, cardiac surgery attendings, and midlevel providers. The student will be assigned primarily to one cardiac attending but will work with the entire staff and will receive extensive exposure to patients in the operating room, cardiothoracic intensive care unit, and on the floor as well as in the outpatient clinic.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Actively participate in surgical procedures, rounds, and clinics with their assigned attending. (PC, PR, MK, CS)
2. Discuss the basic preoperative evaluation of patients with surgically correctable cardiac disease. (PC, MK, SL, PL)
3. Discuss the postoperative management of patients undergoing cardiac surgery. (PC, MK, SL, PL, CS)
4. Describe the common complications experienced by patients undergoing cardiac surgery. (PC, MK)
5. Describe the purpose and basic functional principles of the “heart lung machine” (PC, MK)

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. Direct patient care in the clinics, on the floors, and assisting in the operating room
2. Weekly Division of Cardiothoracic Surgery M and M conferences and Grand Rounds

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Coronary Artery Disease
2. Cardiac Valvular Disease
3. Congestive Heart Failure

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct Observation of Student Performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

Will students be expected to participate in call? ☐ YES ☐ NO
**Course Director:** Evert Eriksson, MD  
Email: eriksson@musc.edu  

**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu

---

### SURG 832: Night Emergency Surgery ASE

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1: 7/6/15 – 7/31/15</td>
<td>1</td>
<td>Block 4A: 9/28/15 – 10/9/15</td>
<td></td>
<td>Block 7B: 1/18/16 – 1/29/16</td>
<td></td>
</tr>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td></td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td></td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>1</td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td></td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>1</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
</tr>
<tr>
<td>Block 2: 8/3/15 – 8/28/15</td>
<td>1</td>
<td>Block 5A: 10/26/15 – 11/6/15</td>
<td></td>
<td>Block 8B: 2/15/16 – 2/26/16</td>
<td></td>
</tr>
<tr>
<td>Block 3A: 8/31/15 – 9/11/15</td>
<td></td>
<td>Block 6B: 12/7/15 – 12/18/15</td>
<td></td>
<td>Block 10: 3/26/16 – 4/22/16</td>
<td>1</td>
</tr>
</tbody>
</table>

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

**COURSE DESCRIPTION:**
Students will participate in the Night Emergency Surgery Service as members of the night float team. This service evaluates and treats a significant volume of trauma patients as well as performing emergency consultations and acute care surgery operative procedures. This service is recommended for students interested in general surgery, as well as students interested in emergency medicine and primary care specialties.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:
1. Discuss the basic principles of trauma patient evaluation and resuscitation. (MK, PC, CS)
2. Identify trauma patients who need emergent surgical intervention. (MK, PC)
3. Accurately assess and develop a differential diagnosis for patients with acute abdominal pain and other urgent surgical conditions. (MK, PC)
4. Discuss management of acute surgical emergencies and other conditions requiring urgent management in pediatric surgical patients. (MK, PC)

**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. Students will assist in evaluation and resuscitation of trauma patients presenting during the “night float service” hours
2. Students will assist the mid-level and chief surgical residents in evaluation of patients for whom a surgical consultation has been requested in the emergency room as well as in other MUH inpatient units.
3. Students will assist with operative procedures on trauma and general surgery patients during the “night float service” hours.
4. Students will follow the schedule of the Interns assigned to the Night Emergency Surgery Rotation. (Sunday 7 PM until 6 AM Monday, then 6 PM to 6 AM Monday through Friday nights Rotation starts on first Monday and ends on last Friday morning after call)

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:
1. Multisystem Trauma patient
2. Patient with Traumatic Brain Injury
3. Patient with penetrating trauma
4. Patient with an acute abdomen

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

**Will students be expected to participate in call?** ☒ YES ☐ NO
Rotation takes place on weeknights as well as Sunday nights during the rotation consistent with the surgery “Night emergency trauma service.” Students will be “off” during the daytime hours.
# Course Description:

This course provides in-depth exposure to patients with diseases of the chest including lungs, esophagus, and mediastinum. The student will be an integral part of the team which includes general surgery and cardiothoracic surgery residents, thoracic surgery attendings, and midlevel providers. The student will be assigned to the general thoracic attendings but will work with the entire staff and will receive extensive exposure to patients in the operating room, cardiothoracic intensive care unit, and on the floor as well as in the outpatient clinic at Hollings Cancer Center.

## Learning Goals & Objectives:

At the completion of this clinical rotation students should be able to do the following:

1. Understand how to evaluate patients with diseases of the lung, esophagus, mediastinum and chest wall. (MK, PC)
2. Stage cancer of the lung and esophagus. (MK)
3. Demonstrate the work up/admission of patients undergoing thoracic surgery. (PC, PR, CS, PL)
4. Discuss the role of surgery in management of patient’s with thoracic disease. (PC, MK)
5. Identify and institute management of postop complications from thoracic surgery. (PC, SL)

## 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. Daily Rounds
2. Participation in OR
3. Participation in Outpatient Clinics
4. Thoracic Conferences

## Patient Encounters:

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

1. Lung cancer
2. Esophageal cancer
3. Benign esophageal disease
4. Pleural space problems
5. Lung Transplantation

## Evaluation / Feedback Methods:

Students will be evaluated using the following methods.

1. E*Value Clinical Performance Evaluation (PC, P, MK, CS, SL, PL)
2. Direct observation of student performance (PC, P, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, P, MK, CS, SL, PL)

Will students be expected to participate in call?  ☑ YES ☐ NO
SURG 834: Pediatric Surgery Externship ASE

Course Director: Aaron Lesher, MD  
Email: smithcd@musc.edu

Course Coordinator: Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1: 7/6/15 – 7/31/15</td>
<td>1</td>
<td>Block 4A: 9/28/15 – 10/9/15</td>
<td></td>
<td>Block 7B: 1/18/16 – 1/29/16</td>
<td></td>
</tr>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td></td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td></td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>1</td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td></td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>1</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
</tr>
<tr>
<td>Block 2: 8/3/15 – 8/28/15</td>
<td>1</td>
<td>Block 5A: 10/26/15 – 11/6/15</td>
<td></td>
<td>Block 8B: 2/1/16 – 2/26/16</td>
<td></td>
</tr>
<tr>
<td>Block 3A: 8/31/15 – 9/11/15</td>
<td></td>
<td>Block 6B: 12/7/15 – 12/18/15</td>
<td></td>
<td>Block 10: 3/28/16 – 4/22/16</td>
<td>1</td>
</tr>
</tbody>
</table>

**Does this rotation accept visiting students?**  ☑ YES  ☐ NO

**COURSE DESCRIPTION:**
Students will serve as members of the patient care team for patients on the pediatric surgical service interacting with the attendings and residents from the pediatric surgical service on a daily basis. Senior students will participate in outpatient clinics, the operating room, and rounds with residents and attending surgeons. Students will also participate in the management of inpatient consults and assessment of pediatric burn/trauma patients.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:
1. Discuss pre/post op pediatric surgical care and fluid management, the principles of pediatric burn care and basic surgical techniques. (MK, PC, PR, PL)
2. Describe the evaluation and management of common pediatric surgical problems (inpatient and outpatient). (MK, PC, PL, SL)
3. Discuss the initial assessment of the pediatric trauma patient and perform this assessment in patients with less severe injuries. (MK, PC, PL)
4. Discuss the management of neonates with congenital anomalies. (MK, PC, PL)
5. Identify and discuss management of acute pediatric surgical emergencies including the child with an acute abdomen and life threatening emergencies (MK, PC, PL)

**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. Direct patient care in the clinics, on the floors, and assisting in the operating room
2. Weekly Department of Surgery M and M conferences and Grand Rounds
3. Weekly pediatric surgery service conferences

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:
1. Congenital anomaly
2. Acute abdomen
3. Pediatric trauma victim
4. Pediatric patient with burns
5. Pediatric patient with acute pediatric surgical emergency

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

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

Call is not required but encouraged. The frequency is variable based on student’s level of interest. Discuss with course director. Students may take call from home and participate in after-hours pediatric surgical operative cases or spend time in house working with the night emergency trauma service residents.
### COURSE DESCRIPTION:
Students will participate in plastic surgery patient care including the inpatient and outpatient settings with the faculty and residents of the Division of Plastic Surgery. The student's daily activities will be assigned by the academic chief plastic surgery resident and will include activities such as plastic surgery didactic case and visiting professor conferences as well as inpatient and ambulatory patient care. Students will be involved in operative cases on a daily basis with exposure to all aspects of reconstructive and cosmetic surgery.

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

1. Evaluate patients with common problems treated by plastic surgeons and discuss the various conditions and pathologies that plastic surgeons treat. (MK, PC, PL, SL)
2. Perform basic wound evaluation and closure techniques. (MK, PC)
3. Discuss basic wound healing and steps which can be taken to maximize healing and reduce scar formation and demonstrate core knowledge in normal and abnormal wound healing, wound care, wound closure, and scar evaluation. (MK, PC, PR, PL, SL)
4. Outline preoperative and operative plan for patients undergoing breast surgery, hand surgery and oncologic reconstruction. (MK, PC, PR, PL, SL)
5. Demonstrate familiarity with the "reconstructive ladder" and its application to patients undergoing reconstruction of soft tissue defects. (MK, PC, PR, PL, SL)
6. Discuss the role of nutrition in surgical management and steps which may be taken to maximize over all healing. (MK, PC, PL)

### 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. Intraoperative teaching of wound closure techniques.
2. Direct patient care in the clinics, inpatient floors, and assisting in the operating room.
4. Student will give a brief 10 minute presentation at the end of the rotation on a topic provided by the course director.

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

1. Patient undergoing breast reconstruction
2. Patient undergoing surgical oncology related reconstruction
3. Patient undergoing hand surgery

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

1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Patient-based presentation to count for 25% of grade (MK, PR, PL)
3. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
4. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)
SURG 836: Surgical Critical Care Externship ASE

**Course Director:** Stuart Leon, MD  
Email:leon@musc.edu  

**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td>3</td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td>3</td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Does this rotation accept visiting students? ☑ YES ☐ NO

**Course Description:**
Students will be assigned to serve as sub-interns in the surgical intensive care unit and will be the primary care provider for assigned patients. Very close supervision will be provided by surgery residents assigned to the unit. Daily teaching rounds are made by attending surgeons 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. Define indications for mechanical intubation and parameters for extubation (MK, PC, PL, SL)
2. Understand basic modes of mechanical ventilation, ABG analysis, acid/base disorders and their management, and fluid and electrolyte management (MK, PC, PL, SL)
3. Identify and treat shock (hypovolemic/hemorrhagic, cardiogenic, neurogenic, septic) (MK, PC, PL, SL)
4. Demonstrate familiarity with the management of Traumatic Brain Injury and the multi-system injured trauma patient (MK, PC, PL, SL)
5. Demonstrate familiarity with the invasive procedures performed on patients in the STICU. (MK, PC, PL, SL)
6. Demonstrate proper and effective patient handoffs (PC, CS)

**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. Attending morning report daily to discuss all ICU patients on the service.
2. Daily interaction with the Surgical Critical Care Attending on rounds and at the bedside.
3. 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 (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

Will students be expected to participate in call? ☑ YES ☐ NO
Does this rotation accept visiting students?  X YES  □ NO

COURSE DESCRIPTION:
Students on the surgical oncology rotation will participate in the ambulatory and inpatient surgical care of patients with breast, endocrine, skin, soft tissue and GI tumors. Students will be exposed to the multidisciplinary approach to patient care through tumor board conferences and clinics. Students will be orientated to the service by the course director who will provide verbal feedback through the rotation midway through the rotation.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Identify the basic steps and anatomy for several surgical oncology and endocrine procedure. (MK, PC)
2. Provide a concise presentation of patients on inpatient rounds and begin to develop an appropriate assessment and care plans and recognize postoperative surgical complications and appreciate changes in management required to address these complications. (MK, PC, PR, PL)
3. Describe inpatient responsibilities (including but not limited to: reviewing orders, following up on lab and test results, assessing patients, admitting patients, seeing consults, calling consults, performing bedside procedures) and Participate in the evaluation of patients in outpatient clinics. (MK, PC, PR, PL)
4. Identify resource guidelines (i.e., NCCN guidelines) to better understand the work up, staging and treatment of various oncologic tumors. (MK, PC)
5. Describe the multidisciplinary approach to the treatment of surgical oncology patients and develop a basic understanding of non-surgical (adjuvant) therapies. (MK, PC)

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. Operative cases
2. Inpatient rounds
3. Outpatient clinic
4. Tumor board conferences
5. Service resident/student teaching session

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Breast: benign breast disease, high risk and breast cancer patients
2. Endocrine: thyroid and parathyroid cancer, hyperparathyroidism
3. Gastrointestinal malignancies including pancreatic, colorectal and gastric cancer
4. Melanoma

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

Will students be expected to participate in call?  □ YES  X NO


**SURG 838: Transplant Surgery Externship ASE**

**Course Director:** John W. McGillicuddy, MD  
Email: mcgillj@musc.edu  
**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td></td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td></td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>2</td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td></td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>2</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
</tr>
</tbody>
</table>

Does this rotation accept visiting students? ☑ YES ☐ NO

**COURSE DESCRIPTION:**
Students will participate in all aspects of patient care including the inpatient and outpatient setting and will participate on rounds, in the clinics, and in the operating room. Students will be exposed to all aspects of the complex medical and surgical care of patients with end organ failure. This course is recommended for students interested in surgery, nephrology, hepatology, internal medicine, or other primary care specialties.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:
1. Formulate a medically suitable daily plan for their patients. (MK, PC)
2. Present accurately and succinctly the critical elements of their patients’ course on rounds. (PC, CS)
3. Articulate some of the medical and surgical issues that are specific to transplant patients. (MK)
4. Articulate a basic understanding of the approach to general surgical issues. (MK)
5. Articulate a basic understanding of the medical management of complicated general surgical patients. (MK)

**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. Participation in multi-disciplinary rounds with residents, fellows, and attendings.
2. Participation in solid organ transplant cases (primarily liver and kidney).
3. Participation in the daily management, medical, and surgical care of the service inpatients.
4. Participation in the outpatient evaluation and management of transplant patients.
5. Participation in organ procurement (“donor runs”).
6. Participation in recipient selection meeting

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:
1. Patients with ESRD (renal failure).
2. Patients with cirrhosis (chronic liver failure) and patients with fulminant hepatic failure (acute liver failure).
3. Patients with diabetes (pancreatic endocrine failure).
4. Patients on dialysis with vascular access issues.
5. Patients with primary liver cancers.

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

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

Students can expect to participate in transplantation activities as organs become available.
**COURSE DESCRIPTION:**
Students will serve as sub-interns on the Trauma and Acute Care Surgery service. They will be assigned to patients and will be expected to be their primary caregivers, with supervision by the resident staff and attending surgeons. Students will be expected to participate in the daily delivery of care to the Acute Care Surgery patients as well as the surgical clinics where new patients are evaluated and recently discharged patients are seen for follow up. This rotation is recommended for students that are interested in primary care, orthopedic surgery, emergency medicine, and general surgery.

**LEARNING GOALS & OBJECTIVES:**
At the completion of this clinical rotation students should be able to do the following:
1. Demonstrate a basic understanding of Advanced Trauma Life Support (ATLS). (MK, CS, SL)
2. Delineate the work up and treatment of common surgical conditions (MK, PC)
3. Develop polished patient presentations (PR, CS, PL)
4. Discuss the different treatment algorithms for blunt and penetrating abdominal trauma (MK, PC)

**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. Be an active team member during trauma resuscitations
2. Be involved in the work up of surgical consultations
3. Participate in daily patient rounds
4. Attend divisional educational activities such as Trauma Radiology Conference, Joint Trauma/Neurosurgery Conference, and Trauma/Emergency Medicine Case Review Conference
5. Be actively involved in the operative management of the patients on the service

**PATIENT ENCOUNTERS:**
Students will be expected to work-up patients with these specified conditions:
1. Blunt abdominal trauma
2. Penetrating abdominal trauma
3. Abdominal pain
4. Patients with non-traumatic acute surgical conditions.
5. Traumatic brain injury
6. Extremity and pelvic trauma
7. Acute chest injury

**EVALUATION / FEEDBACK METHODS:**
Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

**Does this rotation accept visiting students?**
- YES
- NO

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td></td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td></td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>2</td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td></td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>2</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
</tr>
</tbody>
</table>

**Will students be expected to participate in call?**
- NO
**Course Director:** Jacob Robison, MD  
Email: robisonjg@musc.edu  

**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: forinir@musc.edu

---

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1: 7/6/15 – 7/31/15</td>
<td>1</td>
<td>Block 4A: 9/28/15 – 10/9/15</td>
<td>1</td>
<td>Block 7B: 1/18/16 – 1/29/16</td>
<td></td>
</tr>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td>1</td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td>1</td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td></td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td>1</td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>1</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
</tr>
<tr>
<td>Block 2: 8/3/15 – 8/28/15</td>
<td>1</td>
<td>Block 5A: 10/26/15 – 11/6/15</td>
<td>1</td>
<td>Block 8B: 2/15/16 – 2/26/16</td>
<td></td>
</tr>
<tr>
<td>Block 2A: 8/3/15 – 8/14/15</td>
<td>1</td>
<td>Block 5B: 11/9/15 – 11/20/15</td>
<td>1</td>
<td>Block 9: 2/29/16 – 3/25/16</td>
<td></td>
</tr>
<tr>
<td>Block 3A: 8/31/15 – 9/11/15</td>
<td>1</td>
<td>Block 6B: 12/7/15 – 12/18/15</td>
<td>1</td>
<td>Block 10: 3/28/16 – 4/22/16</td>
<td></td>
</tr>
<tr>
<td>Block 3B: 9/14/15 – 9/25/15</td>
<td>1</td>
<td>Block 7: 1/4/16 – 1/29/16</td>
<td>1</td>
<td>Block 10A: 3/28/16 – 4/8/16</td>
<td></td>
</tr>
</tbody>
</table>

---

**Does this rotation accept visiting students?** ☑ YES ☐ NO

---

**COURSE DESCRIPTION:**
This course will be a sub-internship in vascular surgery, with the student functioning as a member of the team and responsible for many of the duties of an intern under the direct guidance and supervision of house staff and attending staff. Students will also take inpatient call 2-3 times during the rotation when our team is in-house at ART. Depending on clinical volume and the anticipated training opportunities, the student may be assigned to either the vascular service at RH Johnson VA or at Ashley River Tower. In addition, if a student manifests a high level of interest in vascular surgery and communicates with the coordinator well in advance of the rotation, 3-5 days of the rotation may be arranged to interact primarily with MUSC clinical faculty at Roper Hospital as well. This course is designed primarily for students interested in surgery who are considering post-graduate training in general surgery or vascular surgery residencies.

---

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:
1. Describe basics of wound care, diabetic foot ulcer evaluation and management, and the role of a vascular laboratory. (MK, PC, PL)
2. Perform a basic historical and physical examination on a patient with peripheral vascular disease. (PC, MK, CS, PR)
3. Interpret basic vascular laboratory lab results (PC, MK)
4. Discuss the role of interventional techniques in the diagnosis and treatment of peripheral vascular disease (MK, PC, SL)
5. Discuss the role for medical management versus intervention for common peripheral vascular pathologies. (MK, PC)

---

**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. Interaction with patients and staff in the inpatient and outpatient setting for direct bedside teaching.
2. Conference presentations and participation
3. Participation in the operating room, bedside procedures, and review of images with housestaff and attendings.
4. Self-study and completion of assigned reading in texts and journal articles.
5. Students will participate in rounds, clinic and operative procedures. (PC, MK, CS, PR)
6. At least one day a week will be spent in the operating room where familiarity with underlying pathophysiology, anatomy and basic surgical principles will be expected. (PC, MK, CS, PR)
7. Participation in the weekly teaching conference will be expected. (PL, SL)
8. Students will participate in interventional radiologic procedures for the treatment of Peripheral vascular disease. (PC, SL)

---

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:
1. Aortic aneurysm disease
2. Carotid artery disease
3. Lower extremity peripheral vascular disease, including claudication and limb-threatening ischemia
4. Venous thromboembolic disease

---

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course (PC, PR, MK, CS, SL, PL)
4. Degree of participation in and response to questions in conferences and the operating room (MK, PL, SL)
4. Quality of presentations in conferences (PC, CS)
5. Level of participation in OR and outpatient procedures (PC, MK)

Will students be expected to participate in call?  [YES] [NO] 2-3 nights over the four weeks
**SURG 841: Community Surgery ASE**

**Course Director:** E. Douglas Norcross, MD  
Email: norcroed@musc.edu  

**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu  

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Does this rotation accept visiting students?** ☑ YES ☐ NO

**COURSE DESCRIPTION:**

Students will work one on one with a local community surgeon participating in their clinical practices in both the office and the operation room. Recommended for students interested in primary care fields, emergency medicine. Student experience will vary based on the particular surgical practice to which they are assigned. Note: This course is not based at MUSC. Students must supply requested credentialing information in advance of the rotation to be allowed to participate in care in non-MUSC facilities.

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

1. Discuss common general surgical problems (MK, CS)
2. Assist with basic general surgery procedures at a novice level (PC, PR)
3. Describe the role of the general surgeon in a community hospital (SL)

**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. Rounds with attending community surgeons
2. Assisting attending community surgeons in the operating room
3. Accompanying attending community surgeons in the office/clinic setting

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

1. Patients requiring basic general surgical care and procedures.

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

1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. A mid-point evaluation form will be completed halfway through the rotation in order for the student to be assessed on their performance (MK, PC, PR, CS, SL, PL).

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

Variable home call depending upon assigned preceptor.
SURG 843: Pediatric Cardiac Surgery ASE

**Course Director:** Scott Bradley, MD  
Email: bradlesm@musc.edu  

**Course Coordinator:** Ruth Fortini  
Telephone #: 843-792-2720  
Email: fortinir@musc.edu

<table>
<thead>
<tr>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
<th>BLOCK</th>
<th># Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1: 7/6/15 – 7/31/15</td>
<td>1</td>
<td>Block 4A: 9/28/15 – 10/9/15</td>
<td>Block 7B: 1/18/16 – 1/29/16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 1A: 7/6/15 – 7/17/15</td>
<td></td>
<td>Block 4B: 10/12/15 – 10/23/15</td>
<td>Block 8: 2/1/16 – 2/26/16</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Block 1B: 7/20/15 – 7/31/15</td>
<td></td>
<td>Block 5: 10/26/15 – 11/20/15</td>
<td>Block 8A: 2/1/16 – 2/12/16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 2: 8/3/15 – 8/28/15</td>
<td>1</td>
<td>Block 5A: 10/26/15 – 11/6/15</td>
<td>Block 8B: 2/15/16 – 2/26/16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Block 3A: 8/31/15 – 9/11/15</td>
<td></td>
<td>Block 6B: 12/7/15 – 12/18/15</td>
<td>Block 10: 3/28/16 – 4/22/16</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Does this rotation accept visiting students? ☑ YES ☐ NO

**COURSE DESCRIPTION:**
This course provides exposure to the operative care of patients undergoing surgery for congenital heart disease. The student will be a part of the surgical team which includes 2 pediatric cardiac surgery attendings, 2 midlevel providers and a surgical fellow. The student’s exposure will be primarily concentrated in the operating room, although it will also include making rounds in the intensive care unit and on the floor with the attendings. Additional exposure to the patients in the intensive care unit may be arranged with the pediatric cardiology team.

**LEARNING GOALS & OBJECTIVES:** At the completion of this clinical rotation students should be able to do the following:
1. Discuss the pathophysiology of common congenital heart diseases. (PC, MK)
2. Discuss the preoperative workup of patients with common congenital heart diseases (PC, MK)
3. Describe the mechanisms by which common operative procedures for congenital heart disease address the pathophysiology of the condition for which surgery is being performed. (MK)
4. Be an active and knowledgeable participant in the operating room and on rounds with the attending surgeon (MK, PR, PB, SL)

**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. Rounding in the intensive care unit and on the floor with the attending surgeons and midlevel providers.
2. Scrubbing in the operating room on congenital heart operations.
3. Attendance at conferences.

**PATIENT ENCOUNTERS:** Students will be expected to work-up patients with these specified conditions:
1. Ventricular Septal Defect.
2. Tetrology of Fallot
3. Atrial Septal defect
4. Patent Ductus Arteriosus

**EVALUATION / FEEDBACK METHODS:** Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

Will students be expected to participate in call? ☐ YES ☑ NO
COURSE DESCRIPTION: Students will serve as externs on one of the areas of GI Surgery covered by attending surgeons in the Section of GI surgery. Students will be given the choice of participation on the Bariatric Colorectal Service and/or the Pancreatic Biliary Service to include inpatient care as well as pre and post-operative care in the surgery clinics. Recommended for students interested in surgery, primary care, geriatrics and internal medicine.

LEARNING GOALS & OBJECTIVES: At the completion of this clinical rotation students should be able to do the following:
1. Perform an accurate history and physical examination of the surgical patient (PC, CS, SL)
2. Discuss operating room decorum and roles of assistant surgeon (PR, CS, SL)
3. Demonstrate ability to present patients on rounds (PR, CS, PL, PC)
4. Communicate effectively with patients, nurses, and physicians (PR, CS)
5. Describe the important role of intern in team patient care (PR, MK, PC, PL, SL, CS)

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. Direct patient care in the clinics, on the floors, and assisting in the operating room
2. Weekly Dept. of Surgery M and M conferences and Grand Rounds
3. Students will be responsible for supervised care of 2 to 6 inpatients on either the Bariatric Colorectal Service or the Pancreatic Biliary Service

PATIENT ENCOUNTERS: Students will be expected to work-up patients with these specified conditions:
1. Enterocutaneous fistula
2. Acute pancreatitis
3. Chronic pancreatitis
4. Morbid Obesity
5. Diverticulitis
6. Gastroesophageal reflux disease
7. Inguinal and abdominal wall hernias
8. Pancreatic cancer
9. Symptomatic cholelithiasis

EVALUATION / FEEDBACK METHODS: Students will be evaluated using the following methods.
1. E*Value Clinical Performance Evaluation (PC, PR, MK, CS, SL, PL)
2. Direct observation of student performance (PC, PR, MK, CS, SL, PL)
3. Students will receive feedback about performance at the midpoint of the course. (PC, PR, MK, CS, SL, PL)

Does this rotation accept visiting students? ☑YES ☐NO

SURG873: GI Surgery Externship ASE

Course Coordinator: Ruth Fortini
Telephone #: 843-792-2720
Email: fortinir@musc.edu

Course Director: Katherine Morgan, MD
Email: adamsdav@musc.edu