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| FOURTH YEAR ELECTIVE TITLE ACUTE CARE / TRAUMA SURGERY | | COURSE NUMBER SURG 9230 | LOCATION RWJUH, NEW BRUNSWICK |
| ELECTIVE DIRECTOR(S) JOSEPH HANNA, MD, PHD GREGORY PECK, MD | ELECTIVE FACULTY DIVISION OF ACUTE CARE SURGERY, DEPARTMENT OF SURGERY | ELECTIVE CONTACT ALISSA GERDES | CONTACT PHONE/FAX/EMAIL PH: 732-235-8348 FAX: 732-235-2964 Ahg61@rwjms.rutgers.edu |
| BLOCKS AVAILABLE 1-11 | DURATION/WEEKS MIN 2; MAX 4 | HOURS PER WEEK 60 | STUDENTS MAX 2/BLOCK |
| LECTURES/SEMINARS SEE BELOW | OUTPATIENT YES (10%) | INPATIENT YES (90%) | HOUSESTAFF YES |
| NIGHT CALL Yes | WEEKENDS YES | LAB NO | EXAM REQUIRED NO |

Any 3rd-year student wishing to partake of this elective may request permission to do so by making that request to Ms. Joni Marano (maranojg@rwjms.rutgers.edu, 732-235-6160). This written permission (Email is acceptable) must be presented to the Registrar's Office prior to the 3rd-year student registering for the elective.

OVERALL EDUCATIONAL GOAL

OBJECTIVES:

- To gain exposure into the complex diagnosis and management of the acutely injured patient.
- To become familiar with the primary and secondary survey of the acutely injured patient.
- To develop basic procedural skills regarding the placement of Nasogastric tubes, chest tubes, foley catheters, surgical drains and wound closure techniques.
- To gain insight into the management of the acutely ill surgical patient regarding diagnosis and surgical management.
- To develop an awareness of the indications for non-surgeons to call for emergent surgical consultation.
- To develop an awareness of the surgeons need to provide collaborative care with other Surgical and Medical consultants especially in the multi-injured patient.

Goals and Core Requirements:

- Patient care in the trauma Bay
- Demonstrate Compassion
- Provide care that is appropriate and effective toward advancing treatment goals

COMPETENCIES AND OBJECTIVES

Medical knowledge and Patient Care (see chart)

Practice-based Learning and Improvement:

The student will:

- Demonstrate an ability to improve their knowledge, skills, and attitudes as needed, based on directed feedback.
- Demonstrate evidence-based decision-making with regard to patient care.

| Diagnoses | # of Required Patients |
|---|------------------------|
| abdominal pain | 1 |
| Concussion- TBI | 1 |
| abdominal organ injury | 1 |
| shock | 1 |
| intestinal disease | 1 |
| Clinical Skills | |
| Primary survey | 1 |
| Secondary survey | 1 |
| suturing/ wound closure | 1 |
| Foley catheter placement | 1 |
| Radiology interpretation of trauma films | 1 |
| Ethical Skills | |
| Witness informed consent | 1 |
| Witness attending – patient/family discussion | 1 |

Systems-based Practice:

The student will:

1. Demonstrate and improve their understanding of the social, economic, and other influences on their patients' health care and behaviors.
2. Learn and follow clinical practice guidelines
3. Advocate for quality patient care
4. Practice appropriate resource allocation

Professionalism:

The student will:

1. Demonstrate appropriate professional behaviors, including respect, honesty, and acknowledgement of any deficiencies in knowledge or skills.
2. Demonstrate sensitivity to patient's culture, age, gender and disabilities
3. Demonstrate commitment to patient care and daily plan

Interpersonal and Communication Skills:

The student will:

1. Relate to well to team, faculty, patients, and staff.
2. Demonstrate effective oral and written communication skills in interactions with patients and other health care professionals.

BRIEF DESCRIPTION OF ACTIVITIES

| Day | To Do |
|-----------|--|
| Monday | 6:00a Resident Rounds 7:30a Morning Report 8:45a Daily Attending Rounds 4:00p Team Huddle 6:00p Resident Sign- out Rounds |
| Tuesday | 6:00a Resident Rounds 7:30a Morning Report 8:45a Daily Attending Rounds 4:00p Team Huddle 6:00p Resident Sign-out Rounds |
| Wednesday | 6:00a Resident Rounds 8:00a M&M 9:00a Grand Rounds 10:00a Multidisciplinary Rounds 1:00p CAB Clinic Hours 4:00p Team Huddle 6:00p Resident Sign-out Rounds |
| Thursday | 6:00a Resident Rounds 7:30a Morning Report 8:45a Daily Attending Rounds 4:00p Team Huddle 6:00p Resident Sign-out Rounds |
| Friday | 6:00a Resident Rounds 7:30a Morning Report 8:45a Daily Attending Rounds 1:00p TOPC Clinic Hours 4:00p Team Huddle 6:00p Resident Sign-out Rounds |

METHOD OF EVALUATION

Faculty will assess each student's performance in the competency areas described above and according to the following rubric that reflects the elective's clinical goals:

- Does the student understand the anatomy and physiology of all body systems affected by trauma, including the initial functional evaluation of the central nervous system, cardiovascular & pulmonary systems, gastrointestinal & genitourinary systems, musculoskeletal system? Yes No N/A
- Does the student understand the indications for basic surgical procedures such as laparotomy, debridement of injured tissue, ultrasound, splinting (including Hare traction), diagnostic peritoneal lavage (DPL), and thoracotomy/thoracostomy? Yes No N/A
- Does the student understand the characteristics of the history, physical examination findings, mechanism of visceral & somatic pain for the following processes: acute appendicitis, bowel obstruction, perforated ulcer, ureteral colic, biliary colic & diffuse peritonitis? Yes No N/A
- Has the student been introduced to the surgical management of the penetrating trauma patient with abdominal and thoracic solid organ injuries? Yes No N/A
- Is the student competent at the trauma evaluation and resuscitation utilizing American College of Surgeons' ATLS guidelines? Yes No N/A
- Is the student competent at suture technique and sterile technique? Yes No N/A
- Is the student competent at applying and removing all types of dressings and splints, including the vacuum pack dressing? Yes No N/A
- Is the student competent at coordinating pre- and post- operative care for the patient with the acute abdomen? Yes No N/A
- Is the student proficient at inserting a variety of tubes, including thoracostomy, intravenous, urinary bladder catheter, and nasogastric tube? Yes No N/A

ARE THERE ANY PREREQUISITES FOR THIS ELECTIVE? Completion of Third Year Surgery Clerkship

IS THIS ELECTIVE AVAILABLE TO THIRD YEAR MEDICAL STUDENTS AS WELL? Yes but any 3rd-year student wishing to partake of this elective may request permission to do so by making that request to Ms. Joni Marano (maranojg@rwjms.rutgers.edu, 732-235-6160). This written permission (Email is acceptable) must be presented to the Registrar's Office prior to the 3rd-year student registering for the elective.