

3rd Year Medical Student Surgery Clinical Rotation

Course Description:

During this 8 week rotation students will be introduced to the management of surgical diseases – including anatomy, disease process, diagnosis and treatment. They will gain practical clinical experience in operating rooms, the emergency department, intensive care units, floors and clinics. These settings will expose them to faculty and residents, other care providers, as well as patients and their families. There are detailed objectives for the Clerkship. During the rotation, students are expected to encounter these conditions, and perform or observe these procedures. (In both cases these may be real or simulated encounters.) Practical clinical experience will be supplemented by appropriate educational experiences in various conferences, as well as engagement in self-directed study to prepare for patient encounters, an oral exam, and the Shelf exam, which is taken at the end of the rotation.

During the rotation, students are assigned to 5 different surgery-related services:

- One 3-week general service (Colon & Rectal; Pediatric Surgery; Minimally Invasive Surgery; Surgical Oncology, Transplant)
- One 2-week subspecialty service (Ophthalmology; Orthopaedic Surgery; Otolaryngology (ENT); Plastic & Reconstructive Surgery, Urology, Vascular Surgery)
- One week of night service (mostly Trauma and Emergency General Surgery)
- One week of Trauma, or Emergency General Surgery, or Burn (this is a day time service)
- One week of Anesthesia

Students are expected to become an instrumental member of the team in each service, undertaking tasks that advance patient care, as directed by faculty, fellows or residents. Examples of these tasks are pre-rounding on patients, taking histories and performing physical exams, and presenting patients to more senior members of the team, and assisting in the operating room.

Clinical Skills (student must perform):

- 1) Pre-Operative History and Physical

Conditions / Diagnoses (student may observe or have direct participation):

- 1) Appendicitis
- 2) Benign or Malignant Condition of the GI Tract
- 3) Biliary Disease
- 4) Bowel Obstruction
- 5) Burn
- 6) Diverticular Disease
- 7) Fracture
- 8) Hernia
- 9) Peripheral Artery Insufficiency

- 10) Pneumothorax
- 11) Skin/Soft Tissue Infection
- 12) Trauma, Blunt or Penetrating
- 13) Traumatic Brain Injury
- 14) Vascular Disease

Procedures (student required to perform):

- 1) Foley Catheter Placement (Female)
- 2) Foley Catheter Placement (Male)
- 3) Skin Closure

Procedures (not required by this Clerkship, but required prior to graduation):

- 1) Abscess Incision and Drainage
- 2) ACLS or PALS Resuscitation
- 3) Airway Mgmt (Bag Valve Mask)
- 4) Airway Mgmt (Oral/Nasal Airway)
- 5) Arterial Blood Draw
- 6) Arterial Line Placement
- 7) Central Line Placement
- 8) Chest Tube Placement
- 9) CPR
- 10) Intubation
- 11) Laceration Repair
- 12) Lumbar Puncture
- 13) Nasogastric Tube Placement
- 14) Paracentesis or Thoracentesis
- 15) Peripheral IV Placement
- 16) Phlebotomy
- 17) Vaginal Delivery

The following questions are asked of students regarding their clinical experience with preceptors:

- 1) Effective teaching by faculty during the clerkship
- 2) Specific and actionable feedback on student medical knowledge and clinical skills by faculty
- 3) Faculty observation of student performing relevant portions of a patient history
- 4) Faculty observation of student performing relevant portions of the physical or mental status exam
- 5) Number of times directly observed performing a history or physical exam (including mental status exam) during clerkship
- 6) During the clerkship, I feel I received appropriate supervision of my clinical care

- 7) During the clerkship, I feel I received appropriate supervision when performing procedures
- 8) Duty hours considerations:
 - a. Not to exceed 5 continuous overnight shifts
 - b. No allowance for at least 8 hours free from duties
 - c. Exceeding 16 continuous hours
 - d. No allowance for 4 twenty-four hour periods free from duties over a 4 week period
 - e. Exceeding and average of 80 hours per week, averaged over 4 weeks
- 9) Duty hour violations must be reported to a course director
- 10) Experience or observation of mistreatment
- 11) Experiencing a sense of respect, collegiality, and cooperation among faculty and staff during this course
- 12) Experiencing a sense of respect, collegiality, and cooperation among peers during this course