



University of Illinois, Metropolitan Group Hospitals Program in General Surgery

Rotation Title: Saint Francis Hospital
General (Geriatric-focused) Surgery, Vascular Surgery, and Surgical Endoscopy

Level of Training: PGY V, PGY III, PGY II: Two months PGY I: One month

Attending in Charge of Rotation: Dr. Matthew Hyser

Faculty: Dr. Kevin Halstuk, Dr. Michael Prendergast, Dr. Charles Gruner, and Dr. Phillip Zaret.

Introduction:

The St. Francis Hospital surgical service is a combined rotation that will afford the residents many opportunities to perform general, vascular, minimally invasive, and endoscopic surgical procedures. The hospital is unique in that there are a large percentage of geriatric surgical patients. The residents will receive a well-rounded general surgery caseload from Dr's Hyser, Zaret, Prendergast, and Gruner. This will range from bread and butter hernia and breast cases to complex abdominal and laparoscopic procedures. Dr. Hyser will provide weekly training in stereotactic and ultrasound guided breast biopsies for those interested in breast disease.

Dr. Gruner gives training in The Fundamentals of Laparoscopic Surgery in which each resident at the PGY-II, III, and V level will have a session that includes both didactic and practical training as it pertains to the FLS SAGES Curriculum. There will be an ample number of endoscopy cases that will include colonoscopy, EGD's, and PEG's. In keeping with the increasing ACS mandate for endoscopic training, the department has purchased an endoscopy simulator with a full FES SAGES curriculum in place.

Drs. Halstuk and Prendergast will proctor the vascular surgery portion of the rotation. Each month, there will be a variety of cases that will include vascular access, endovascular procedures, carotids, fem-pops, and aortic procedures.

ASSESSMENT:

Monitoring the accomplishment of the stated objectives will be performed using the following method

1. 360 degree evaluation: end of rotation evaluation of resident performance to assess the resident's demonstration of Core Competencies with respect to the stated objectives by faculty, other team resident members, students, and nursing staff.
2. Case Logs: auditing of operative cases pertinent to the specialty in the Surgical Operative Log.
3. Written evaluations of performance.
4. Patient Survey: performance will be assessed by patient surveys administered through the rotation.

Surgical Skills Advancement:

The resident will exhibit surgical performance skills based on the following guidelines:

By the end of the rotation, have completed (per necessity) the OSAT/OSCA for the following procedures:

PGY I: Boot camp, central line insertion with ultrasound guidance

PGY II: Open appendectomy, open inguinal hernia repair

PGY III: Laparoscopic appendectomy, laparoscopic cholecystectomy, and FLS junior in simulation lab

PGY V: Upper and lower endoscopies, PEG placement

COMPETENCY BASED LEARNING OBJECTIVES

Medical Knowledge

PGY I Residents:

- Complete assigned reading in SCORE Curriculum as outlined both in SCORE website and outlined document on MGH website.
- Have a thorough understanding of preoperative assessment and preparations for the surgery.
- Identify the materials presented in routine surgical text about the care of simple, elective surgical problems
- Become proficient in routine bedside and Emergency department procedures
- Participate in Basic Science Reading Program and Lectures as defined by the monthly conference schedule
- Develop and appreciation and applicable knowledge of anesthesia.
- Understand the risks of anesthesia and develops the skills to assess a patient's preoperative risk.

PGY II Residents:

- Have a thorough understanding of the standard surgical technique and be familiar with some of the common surgical journals as it relates to diseases and the evaluation and treatment of patients

- Complete assigned readings in SCORE Curriculum as outlined both in SCORE website and outlined document on MGH website.
- Participate in Basic Science Reading Program and Lectures
- Develop proficiency in routing surgical procedures and have a working knowledge about more complex surgical conditions.
- Become proficiency in the critical care management of septic patients particularly in the elderly population.

PGY III Residents:

- Have a thorough understanding of the standard surgical technique and be familiar with some of the common surgical journals as it relates to diseases and the evaluation and treatment of patients
- Complete assigned readings in SCORE Curriculum as outlined both in SCORE website and outlined document on MGH website.
- Participate in Basic Science Reading Program and Lectures
- Develop proficiency in routing surgical procedures and have a working knowledge about more complex surgical conditions.
- Become proficiency in the critical care management of septic patients.

PGY V Residents:

- Demonstrate a thorough understanding of a wide variety of basic and complex surgical conditions including the complexities of the underserved populations. Particular focus on general surgical and vascular problems of the elderly
- Participate in morbidity and mortality conferences.
- Lead the educational conferences
- Complete the appropriate SCORE modules as outlined both in SCORE website and outlined document on MGH website.

Patient Care

PGY I Residents:

- Perform comprehensive history and physical examination of the abdomen, especially acute abdomen. Inform and explain to patient and family the results of tests done in the hospital including laboratory tests and x-rays
- Master the technique of basic suturing and tying. Master the use of computerized information services including ability to plot trends in lab values over time
- Master the sterile technique in the operating room and on the floor while maintaining universal precautions
- Demonstrate and apply pain management procedures and methods of postoperative pain control
- Demonstrate the ability to benchmark cases: lipoma excision and open inguinal hernia repair
- Learn the proper technique of intubation

PGY II Residents:

- Conduct patient care for more complicated surgical problems including the care

- of some patients in the critical care unit.
- Develop proficiency with routine General Surgical cases
- Manage the General surgery service at night with the assistance of support physicians who are out of the hospital
- Provide appropriate care to complex patients in the intensive care unit.

PGY III Residents:

- Provide care for general surgery patients at night with support that is outside the hospital
- Provide proper care the septic surgical patient in the intensive care unit.

PGY V Residents:

- Lead the care of all general surgical patients.
- Available as a senior back to help the more junior residents on night calls.
- Supervise the care of critically ill patients
- Participate in complex operative procedures including colectomies and gastrectomies
- Demonstrate leadership and patient management skills by being a resource for complicated critical care problems.
- Facilitate a weekly morbidity and mortality conference.

Interpersonal and Communication Skills

PGY I Residents:

- Develop and apply effective communication strategies to effectively interact with patients and their families.
- Develop and apply effective communication with senior residents.
- Educate and counsel patients on the service
- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient

PGY II Resident:

- Develop and apply effective communication strategies to effectively interact with critically ill patients and their families
- Educate and counsel patients on the service
- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient
- Communicate with senior residents and attending physicians in a concise yet thorough manner.

PGY III Residents:

- Develop effective communication techniques when delivering patient's and their families difficult information
- Educate and counsel patients on the treatment options for breast cancer.

- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient
- Perfect the communication with senior residents and attending physicians.

PGY V Resident:

- Develop and apply effective communication strategies to effectively interact with critically ill patients and their families
- Educate and counsel patients on the service
- Gather essential information from patients; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons, and ancillary staff to achieve the health-related goals of the patient
- Provide good leadership to the junior residents on the service
- Refine communication techniques with attending physicians as well as junior residents and medical students.

Professionalism

PGY I, II, III and V Residents:

- Demonstrate appropriate dress and decorum while on duty; conversations in public places to be free of patient information. Respond to criticism and correction with calm and attentive demeanor.
- Treat hospital staff members with respect.
- Treat senior or junior residents respectfully.
- At all times treat the patient's with respect and dignity.
- Arrive on time for morning conferences and have presentations prepared on the date assigned.

Practice Based Learning and Improvement

PGY I Residents:

- Practice the daily care of routine surgical problems and attain an understanding of the natural history of these diseases
- Understand how treatment affects change in the natural history related to complicated diseases

PGY II Residents:

- Demonstrate improved comprehension of the natural history of more complicated disease and the emergency problems seen within the acute care facility

PGY III Residents:

- Demonstrate improved comprehension of the natural history of more complicated disease and the emergency problems seen within the acute care facility

PGY V Residents:

- Recognize the affects that treatment has on the natural history of complicated diseases being treated in critically ill patients
- Demonstrate full progression in operative technical ability
- Master patient care practices of the critically ill patient and complicated intra-operative procedures with practice
- Demonstrate intra-operative skills to junior members of the team
- Participate in morbidity and mortality conferences in order to analyze mistakes and improve the quality of care provided.

Systems Based Practice

PGY I Residents:

- Interrelate with medical students and more senior residents as a team member when caring for patients with routine surgical problems

PGY II and III Residents:

- Be adept at being a supportive mid-level team player providing appropriate communications between the younger members and the more senior members

PGY V Residents:

- Be adept at communicating succinctly the assignments for the junior members of the team
- Demonstrate proficiency at providing care for the most complicated surgical problems and supervise the care of less complicated surgical diseases and techniques
- Be a strong leader of the surgical team and be able to communicate all surgical problems to the attending surgeons
- Coordinator of the morbidity and mortality conference.

READING MATERIALS:

Educational materials, which will function as guides for resident education during this course, include but are not limited to:

1. The SCORE General Surgery Resident Curriculum Portal accessed at <http://www.surgicalcore.org/>
2. Schwartz's Principles of Surgery
3. Zollinger' s Atlas of Surgical Operations
4. The Surgical Core Curriculum accessed via Access Surgery through the University of Illinois-Chicago website
5. My Athens (<http://www.openathens.net/>) is available through the St. Francis library. This allows internet access 24/7 to a complete online library of textbooks, surgical atlas', journal articles, and a variety of medical search sites

OUTCOMES:

Outcomes for the various goals and procedures in this curriculum will be assessed along the following standards:

1. Superior: the resident exhibits conceptual understanding beyond that which is described in this bulletin and practice performance, which is at a standard for a resident at a more advanced PGY year.
2. Above Average: the resident has shown understanding and performance that is above what is expected for the rotation.
3. Competent: the resident exhibits conceptual understanding and practice based performance standards that are minimal, for the appropriate PGY year, for advancing towards general surgical practice.

In Need of Remediation: the resident has failed to grasp the basic concepts and practices necessary to advance past this rotation for the PGY year, and shows need of repeating or training augmentation.

