

General Surgery: GI/Laparoscopy

Institution: Vanderbilt University Medical Center

Duration: 2 months

Supervising Physician: Jessica Ardila, MD

Contact Information: Jessica.ardila@vumc.org

Year of Training: PGY-5

Educational Objectives:

Introduction to Rotation

We would like to welcome you to the GI/Laparoscopic Service. The PGY-5 resident is expected to run all of the day-to-day activities of the service and coordinate care with each patient's attending surgeon. The Chief will primarily perform laparoscopic foregut and bariatric operations on this rotation and will coordinate the resident team for case and clinic coverage.

Patient Care and Procedural Skills:

- ✓ Mastery of a broad variety of general surgical cases including gastric, esophageal, and biliary tract procedures.
- ✓ Mastery of basic laparoscopic skills for cholecystectomy, appendectomy, bariatrics, and diagnostic laparoscopy.
- ✓ Competence in advanced laparoscopic procedures such as fundoplication and hernia repair.
- ✓ Perform complete dissection of paraesophageal hernia, fundoplication, and cholecystectomy
- ✓ Adequately expose all parts of GI tract and perform small bowel resections and anastomoses
- ✓ Able to perform dissection for lap gastric bypass and perform jejunojejunostomy.
- ✓ Able to expose mesenteric defects related to Roux-en-Y gastrojejunostomy.
- ✓ Ability to teach junior house staff introductory surgical level cases.
- ✓ Ability to teach medical students surgical care and surgical principles of surgical diseases.
- ✓ Development of leadership skills and ability to run an effective multi-level service with numerous residents and medical students on the service.

Medical Knowledge:

- ✓ Mastery of surgical pathophysiology and critical care, pharmacology, physiology, and interpretation of hemodynamic data.
- ✓ Familiarity with basic surgical literature and extensive areas of basic surgical diseases in general and GI surgery.
- ✓ Competence in advanced laparoscopic procedures such as antireflux procedure, laparoscopic knot tying skills, knowledge of biliary tract anatomy, pathology, and procedures.
- ✓ Knowledge of disorders of foregut pathophysiology including GERD, achalasia, and PUD.
- ✓ Understands foregut pathophysiology in GERD and achalasia

Practice-Based Learning and Improvement

- ✓ Write an accurate and detailed preoperative assessment and counseling note on all patients for which he/she serves as surgeon of record.
- ✓ Utilize assigned journal articles as well as available textbook chapters and information technology (including PubMed search and literature review)
- ✓ Participate in the education of patients, families, students, residents, and other health professionals.
- ✓ Incorporate formative evaluation feedback into daily practice.

Interpersonal and Communication Skills

- ✓ The resident should ensure that the attending is aware of the progress of all patients on the service.
- ✓ The resident should clearly, accurately, and respectfully communicate with nurses and other Hospital employees.
- ✓ The resident should clearly, accurately, and respectfully communicate with referring and consulting physicians, including residents.
- ✓ The resident should clearly, accurately, and respectfully communicate with patients and appropriate members with their families about identified disease processes (including complications), the expected courses, operative findings, and operative procedures.
- ✓ The resident should ensure that clear, concise, accurate, and timely medical records are maintained on all patients.

- ✓ The resident should be able to clearly and accurately teach medical students and junior residents about the procedures performed on this rotation when qualified to do so by hospital and program policy.
- ✓ Expected to establish expectations, roles, and responsibilities for junior residents, clerkship students and senior level students rotating on service.
- ✓ Expected to provide routine educational activities to junior residents and students while on service (such as teaching on rounds, chalk-talks, knot-tying, etc.)
- ✓ Expected to provide timely feedback and assessments to the program director, clerkship director and medical student supervisor as requested

Professionalism

- ✓ Demonstrate compassion, integrity, and respect for others.
- ✓ Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
- ✓ Demonstrate sensitivity to issues of age, race, gender, and religion with patients, family, and members of the healthcare team.
- ✓ Demonstrate respect for patient privacy and autonomy.
- ✓ Remain honest with all individuals at all times in conveying issues of patient care.
- ✓ Respond to the needs of the patient above one's own needs and desires.
- ✓ Maintain high standards of ethical behavior in all professional activities.
- ✓ Demonstrate a commitment to the continuity of patient care to carrying out professional responsibilities or through assuring that those responsibilities are fully and accurately conveyed others acting in his/her stead.
- ✓ Understand the institutional policy on duty hours and remain compliant with all duty hour regulations. Residents must enter the number of hours spent in the hospital into the tracking system weekly.
- ✓ Be properly and professionally attired at all times while engaged in patient care.
- ✓ Be properly and professionally groomed at all times when engaged in patient care.
- ✓ At all times treat patients, families, and all members of the healthcare team with respect.
- ✓ Reliably be present in prearranged places at prearranged times except when actively engaged in the treatment of a medical or surgical emergency. The resident must notify the appropriate supervisor if he or she will be unable to be present.
- ✓ Remain compliant with all required training designated by the institution.

Systems-based practice

- ✓ The resident should be able to assess the risks and benefits of all options for treating patients with surgical illness.
- ✓ The resident should be able to summarize the financial costs, potential complications, and long-term expectations for planned procedures.
- ✓ The resident should recognize the differences between the three hospital systems in which he or she will participate: federal, university, and private.
- ✓ The resident should be able to determine the benefit of additional treatment by other services such as plastic surgery, interventional radiology, and orthopedics.
- ✓ The resident should be able to determine and convey to appropriate individuals the instruments and other materials necessary for all procedures.

Description of Clinical Experiences:

- Conduct daily rounds with the resident and medical student team
- Interface with the service Nurse Practitioner to optimize patient care
- Make weekly resident and medical student assigns for case and clinic coverage
- Perform minimally invasive foregut and bariatric operations
- Direct and coordinate postoperative care for all service patients

Description of Didactic Experiences:

Complex Hernia Conference: This conference is a multidisciplinary meeting held twice per month where complex hernia cases will be discussed, and management strategies will be formed with experts of abdominal wall reconstructions. Conference is held on the 1st, 3rd and 5th Thursday of the month.

Bariatrics Didactics: This conference is held twice a month on the 2nd and 4th Thursday of the month virtually. During this conference the fellow or one of the residents will present a topic previously assigned regarding metabolic and bariatric surgery or foregut surgery. Some sessions will be used to discuss difficult cases or do journal club.

Esophageal Conference: This multidisciplinary conference discusses challenging cases with respect to esophageal and foregut pathology. This conference is a bi-weekly conference based on case load.

Evaluation Process:

Faculty and senior residents will evaluate the performance of each resident using these goals and objectives. Each resident on the service will evaluate the rotation, the service, faculty and any senior residents also on the rotation.

Other Important Rotation Information: