

**LLUMC General Surgery Residency Program**  
**Gastrointestinal Surgery Goals and Objectives for Residents: R-5**  
**Rotation Director: GS1 Marcos Michelotti, MD**  
**GS2 Keith Scharf, DO**

**Description**

The GI surgery rotation at Loma Linda University Medical Center offers a broad experience in the care of complex patients encompassing bariatric, general and advanced minimally invasive surgery.

**Goals**

The goal of the GI Surgery rotation is to provide the R-5 resident with means to:

- Gain the knowledge and experience in the inpatient and outpatient evaluation and management of patients with bariatric, general and advanced minimally invasive surgery.
- Refine procedural skills commonly required in the care of these patients such as advanced laparoscopic cases (ventral hernia, inguinal hernia, and related procedures) in addition to endoscopy. The R-5 will perform advanced cases such as bariatric procedures and other advanced laparoscopic cases (Heller, Nissen, Hiatal Hernia, robotic skills).
- Experience and understand the day-to-day function of a complex surgical service.

**Objectives**

The GI surgery R-5 rotation has the following objectives:

- The chief resident has shared responsibility for the management of all inpatients on the service both ICU and ward in conjunction with the attending.
- The R-5 resident functions as a main decision maker, assuming direct responsibility for the day-to-day care of patients on the service and coordinating care with other services. Certainly the attending surgeon is readily available for questions and to help as necessary with decision-making. The Chief Resident also serves as the first consultant for the intern regarding issues related to floor and ICU patients. He or she will develop leadership skills in the management and guidance of inpatient surgical teams and supervision and education of all residents and students.
- The R-5 resident gains knowledge of encompassing bariatric surgery, general surgery and advanced minimally invasive surgery through discussion on rounds with the attending physician and also by independent reading. This knowledge base includes basic complex open and laparoscopic procedures as listed above.
- The R-5 resident gains these advanced operative skills through pre-operative reading and preparation and by direct intra-operative teaching from the GI surgery attending.

R-5 residents can expect frequent teaching from members of the team and attendings. The R-5 resident and the attending will function together very closely in the OR, at the bedside and during formal and informal daily rounding sessions. The R-5 resident is a leader on the team, and should be able to run the entire service with the intern, nurses, and medical students. At the end of the rotation the R-5 resident should be able to diagnose, preoperative assess, perform the operative procedure and manage the patient postoperatively, identifying and managing complications that may arise.

R-5 residents are evaluated in the 6 core competencies (Medical knowledge, Patient care, Interpersonal communication skills, Professionalism, Practice based learning and Systems based practice) using specific web-based evaluation forms. An outline of core competencies with rotation objectives, instructional activities, and evaluations is below.

**Specific Goals and Objectives for R-5 Residents**

GOALS Core Competencies	R-5 OBJECTIVES	INSTRUCTIONAL ACTIVITIES	EVALUATION
<p><b>Knowledge:</b> To acquire and apply knowledge of established and evolving basic and applied clinical sciences that relate to the practice of bariatric surgery, general surgery and advanced minimally invasive surgery and the other areas already listed.</p>	<ul style="list-style-type: none"> <li>• Gain experience in physical examination, diagnostic imaging studies, pre-operative evaluation and risk assessment, peri-procedural management of deep venous thrombosis anticoagulation, and post-operative patient monitoring.</li> <li>• Be introduced to ultrasound imaging of gallbladder, GI fluoroscopy, as well as CT and MR imaging of the abdomen and pelvis.</li> </ul>	<ul style="list-style-type: none"> <li>• Teaching by attending faculty.</li> <li>• Independent reading</li> <li>• Daily rounds and weekly conferences including Morbidity and Mortality, Grand Rounds, GI Conference</li> </ul>	<p>Weekly feedback by attending and Rotation evaluation by each GI surgery attending.</p>

<p><b>Patient Care:</b> To provide compassionate, appropriate and effective care patients in the listed categories.</p>	<ul style="list-style-type: none"> <li>• Evaluate, triage, staff and manage all inpatient surgery consultations at LLUMC.</li> <li>• Evaluate and correct complete directed history and physical examinations on general surgery patients. Review all accompanying clinical and image-based information regarding their patients, and develop an independent management plan appropriate for each patient.</li> <li>• Manage patients intra-operatively with the Attending Surgeon.</li> </ul>	<ul style="list-style-type: none"> <li>• Runs twice daily rounds with the residents and attending once daily on the GI surgery Team.</li> <li>• Preoperative and post-operative monitoring of other residents and student work and notes.</li> <li>• Teaching during rounds and conferences.</li> <li>• Providing feedback to the others on the GI surgery Team.</li> </ul>	<p>Weekly feedback by other residents and nurses as well as the GI surgery attendings and two month rotation evaluation by each GI surgery attending.</p>
<p><b>Effective Interpersonal and Communication skills:</b> Residents must communicate in a way that leads to</p>	<ul style="list-style-type: none"> <li>• Instruct interns and medical students on basic general surgical techniques in the surgical simulation center.</li> </ul>	<p>Twice daily rounds with the GI surgery Team.</p>	<p>Weekly feedback by Attending and Rotation evaluation by each GI surgery</p>

<p>effective information exchange of care plan to patients, their families, and professional associates.</p>	<ul style="list-style-type: none"> <li>• Deliver teaching sessions for interns and students either before or after rounds on a weekly basis.</li> <li>• Provide family members an update of patient's condition.</li> <li>• Discusses appropriate peri-operative concerns with team &amp; consultants.</li> <li>• Works effectively with team members (attending, interns and NP) to communicate care plan and discuss with attendings.</li> </ul>		<p>attending.</p>
<p><b>Practice based learning and improvement:</b> In order to improve patient care practices, R-5 residents must be able to critically evaluate their own performance as well as appraise and incorporate</p>	<ul style="list-style-type: none"> <li>• Serve as team leader as the PGY-5. Works effectively with team inpatient census, reporting requirements, team schedules, vacation coverage, daily clinical assignment, patient management tasks and</li> </ul>	<p>Twice daily rounds with the GI surgery Team.</p> <p>Once a month teaching at Division Weekly Conference</p> <p>Weekly Division Conference</p>	<p>Weekly feedback by other residents and nurses as well as the GI surgery attendings and two month rotation evaluation by each GI surgery</p>

<p>clinical scientific evidence.</p>	<p>morbidity and mortality conference.</p> <ul style="list-style-type: none"> <li>• Identify complications and determine their impact on recovery. Present them at the M&amp;M conference.</li> <li>• Use information technology to rapidly assimilate current medical literature as it relates to patient care.</li> </ul>		<p>attending.</p>
<p><b>Professionalism:</b> Residents must show a commitment to professional responsibilities, adherence to ethical principles and sensitivity to diversity.</p>	<ul style="list-style-type: none"> <li>• Learn to manage complex patient problems specifically related to relaying information to families regarding unexpected outcomes in a tertiary care hospital.</li> <li>• Learn to interact with a wide range of patient age ranges.</li> <li>• Learn to interact with multiple subspecialty groups in consultation as well as multi-disciplinary conferences.</li> <li>• Displays appropriate</li> </ul>	<p>Twice daily rounds with the GI surgery Team and with Attending.</p>	<p>Weekly feedback by other residents and nurses as well as the GI surgery attendings and two month rotation evaluation by each GI surgery attending.</p>

	<p>demeanor, even in adverse situations. Acts with sensitivity and responsiveness to patient's culture, age, gender and disabilities.</p>		
<p><b>Systems-based Practice:</b> An R-5 resident must be able to demonstrate an awareness of and responsiveness to the system of health care and the ability to effectively call on system resources to provide optimal care.</p>	<ul style="list-style-type: none"> <li>• Act as an organization problem solver for patients. Understand how care for patients affects the hospital's ability to deliver patient care.</li> <li>• Understands how care practice affects staffing and health care costs.</li> </ul>	<p>Twice daily rounds with the GI surgery Team and daily rounds with surgery attendings.</p>	<p>Weekly feedback by other residents and nurses as well as the GI surgery attendings and two month rotation evaluation by each GI Surgery attending.</p>