

**Stanford University General Surgery Residency Program  
Colon and Rectal Surgery Service  
Goals and Objectives for Residents: R-3  
Rotation Director: Andrew Shelton, MD**

**Description**

The Colon and Rectal Surgery Rotation at SHC offers a broad experience in the care of complex patients encompassing benign and malignant diseases of the small bowel, colon, rectum, and anus

**Goals**

The goal of the Colorectal Surgery rotation is to provide the R-3 resident with the means to:

- Gain knowledge and experience in the inpatient and outpatient evaluation and management of patients with colorectal disease.
- Develop procedural skills commonly required in the care of these patients. This will consist primarily of open abdominal operations, anorectal procedures, and some advanced laparoscopic procedures.
- Refine colonoscopy skills
- Experience and understand the day-to-day function of a complex surgical service.

**Objectives**

The Colorectal Surgery R-3 rotation has the following objectives:

- The Chief resident has responsibility for the management of all inpatients on the service both ICU and ward in conjunction with the attending. The R-3 assumes this responsibility in the absence of the R-5
- The R-3 resident gains knowledge of colorectal surgery through discussion on rounds with the attending physician and also by independent reading and the assigned colorectal curriculum. This knowledge base includes basic, complex, open, and laparoscopic procedures as listed above.
- The R-3 resident gains these advanced operative skills through pre-operative reading and preparation and by direct intra-operative teaching from the Colorectal attending.

R-3 residents can expect frequent teaching from members of the attendings. The R-3 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-3 resident is a leader on the team when the R-5 is absent or otherwise occupied and should be able to run the entire service with the intern, nurses, and medical students. At the end of the rotation the R-3 resident should be able to diagnose, preoperatively assess, perform the operative procedure and manage the patient postoperatively, identifying and managing complications that may arise.

R-3 residents are evaluated in the 6 core competencies (Medical knowledge, Patient care, Interpersonal communication skills, Professionalism, Practiced 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-3 Residents**

GOALS Core Competencies	R-3 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 colorectal 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> </ul>	<ul style="list-style-type: none"> <li>Teaching by attending faculty.</li> <li>Independent reading</li> <li>Daily rounds and conferences including M&amp;M, Grand Rounds and Core Course, GI Conference, and colorectal teaching conconference.</li> </ul>	<p>Weekly feedback by attendings and Rotation evaluation by each colorectal attendings.</p> <p><a href="https://stanford.medhub.com">https://stanford.medhub.com</a></p>

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<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 colorectal surgery consultations at SHC in conjunction with the PGY 5 resident</li> <li>• Evaluate and correct complete directed history and physical examinations on colorectal 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>	<p>Attends twice daily rounds with the resident team and once daily with the attending. Runs rounds in the absence of the R-5</p> <p>Preoperative and post-operative monitoring of other residents and student work and notes.</p> <p>Teaching during rounds and conferences. Providing feedback to the others on the Colorectal Team.</p>	<p>Weekly feedback by other residents and nurses as well as the Colorectal attendings and two-month rotation evaluation by each colorectal surgery attending. <a href="https://stanford.medhub.com">https://stanford.medhub.com</a></p>
<p><b>Effective Interpersonal and Communication skills:</b> Residents must communicate in a way that leads to effective information exchange of a colorectal surgery care plan to patients, their families, and professional associates.</p>	<ul style="list-style-type: none"> <li>• Instruct interns and medical students on basic general surgical techniques in the surgical simulation center.</li> <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>Twice daily rounds with the Colorectal Surgery Team.</p>	<p>Weekly feedback by Colorectal Attending. <a href="https://stanford.medhub.com">https://stanford.medhub.com</a></p>

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<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 clinical scientific evidence.</p>	<ul style="list-style-type: none"> <li>• Serve as team leader as the R-5. Works effectively with team inpatient census, reporting requirements, team schedules, vacation coverage, daily clinical assignment, patient management tasks and morbidity and mortality conference.</li> <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>Rounds with the Colorectal Team and attending surgeon.</p> <p>Daily Conferences.</p>	<p>Weekly feedback by other residents and nurses as well as the Colorectal attendings and two-month rotation evaluation. (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</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 quaternary 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 demeanor, even in adverse situations.</li> </ul> <p>Acts with sensitivity and responsiveness to patient's culture, age, gender and disabilities.</p>	<p>Twice daily rounds with the Colorectal Team.</p>	<p>Weekly feedback by other residents and nurses as well as the Colorectal attendings and two-month rotation evaluation by each Colorectal attending. (<a href="https://stanford.medhub.com">https://stanford.medhub.com</a>)</p>

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<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 organizational problem-solver for Colorectal surgery 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 Colorectal Team and daily rounds with surgery attendings.</p>	<p>Weekly feedback by other residents and nurses as well as the Colorectal attendings and two-month rotation evaluation by each Colorectal Surgery attending. <a href="https://stanford.medhub.com">https://stanford.medhub.com</a></p>