



General Surgery Residency Program
Mount Sinai Hospital: RED and ORANGE Teams
SENIOR RESIDENT

Rotation Specific Goals & Objectives

Senior General Surgery residents will complete a 2 month (PGY3, 4,5) rotation on service. The MSH RED and ORANGE teams offers a rich exposure to key areas of General Surgical care including learning opportunities in:

Acute Care Surgery
Colorectal Surgery
Advanced Gastrointestinal Cancer Surgery
Inflammatory Bowel Disease Surgery

These Goals and Objectives are utilized in evaluation of Resident performance and will be reflected on the ITER.

**Medical Expert:
Knowledge**

By the end of the rotation the Senior General Surgery resident will be able to:

1. Demonstrate an appropriate fund knowledge of normal physiology and pathobiology of disease related to colorectal and acute general surgical conditions
2. Demonstrate level specific degree of synthesis; integrate all relevant information into care plans
3. Develop and execute therapeutic plans
4. Document plans that are organized and well executed
5. Manage adhesive intestinal obstruction
6. Recognize the indications for surgery for IBD.
7. Provide pre- and post-operative care of patients undergoing elective and/or emergency surgery that includes attention to wound management, organ dysfunction, infections complications, avoidance of complications, psychosocial issues and discharge planning.
8. Recognize urgent situations and respond with prompt intervention and appropriate communication
9. Correctly interpret CT imaging pertaining to general surgery (CT chest, abdomen, pelvis).
10. Manage the perforated abdominal viscus.
11. Manage early post-operative, malignant or IBD intestinal obstruction.
12. Manage colorectal and anal cancer, including indications for chemo and radio therapy, neo-adjuvant therapy, providing appropriate treatment of advanced and metastatic disease, as well as palliation.
13. Make appropriate surgical decisions in advanced colorectal cancer surgery (PGY4-5).
14. Provide appropriate pre and postoperative care of the IBD patient population
15. Manage postoperative complications of the gastrointestinal surgical patient
16. Apply best practices to the management of urinary catheters, intravenous lines, central lines, and drains.
17. Recognize and manage complications of intestinal surgery such as anastomotic disruption, abscess, fistula, post-operative bleeding
18. Recognize and manage complications such as myocardial infarction, deep vein thrombosis, pulmonary embolism, pneumonia, urinary tract infection, catheter related blood stream infection.
19. Apply the principles of enhanced recovery after surgery (ERAS) to colorectal patients.

Technical Skills

By the end of the rotation the Senior General Surgery Resident will be able to:

1. Demonstrate comfort with surgical anatomy, indications, contraindications and conduct of level appropriate operations
2. Recognize planes and conduct atraumatic dissection
3. Be efficient in time and motion
4. Slow down when appropriate, recognize unexpected findings and respond appropriately
5. Recognize the need to intervene in critically ill patients
6. Manage stresses of the operating room environment appropriately
7. Safely complete a large bowel anastomosis with some assistance (PGY3).
8. PGY4-5
 - a. Conduct an emergency laparotomy for an acute abdomen
 - b. Safely complete a laparoscopic colon resection with some assistance.
 - c. Provide operative management for perforated appendicitis.
 - d. Safely achieve source control in patients with peritonitis
 - e. Perform a total mesorectal excision with some assistance
 - f. Perform an uncomplicated right, left hemi-colectomy or sigmoid resection

Communicator

By the end of the rotation the Senior General Surgery resident will be able to:

1. Provide timely, accurate, compassionate and patient-centered information exchange, with patients and their families, at the point of care.
2. Communicate with consultant services and collaborate effectively with consulting services and allied professionals to ensure best care delivery.
3. Obtain informed consent for emergency and surgery, providing sufficient information regarding risks and benefits of treatment alternatives. Obtain informed consent in the setting of critical illness or complications following surgery
4. Communicate effectively with patients and families. Use voice, body language, translators to good effect.
5. Complete appropriate documentation clearly and on time with minimal assistance: OR dictations, discharge summaries, consult notes, death certificates.
6. Create operative notes that have appropriate detail of important issues

Collaborator

By the end of the rotation the resident should be able to demonstrate proficiency in:

1. Complete the surgical checklist with the peri-operative team.
2. Consult relevant services and incorporate relevant therapeutic plans into the overall plan of care for the patient.
3. Proactively work with others to prevent misunderstandings, manage differences and resolve conflicts
4. Collaborate with community agencies (as required)
5. Notify the responsible team for any patient with active issues prior to leaving the hospital (pending investigations, requires clinical reassessment, pending surgical intervention, recent transfer to the ICU)

Leader

By the end of the rotation the Senior General Surgery resident will be able to:

1. Demonstrate time management skills to reflect the balance of priorities for patient care, sustainable practice and personal well-being
2. Meet the diverse learning needs of housestaff at various levels and from various disciplines.
3. Appropriately triage and manage simultaneous demands from the different members of the health care team.
4. Interact effectively at multidisciplinary rounds
5. Set agenda and provide structure to team meetings.
6. Ensure timely completion of the on-call schedule (Chief Resident).
7. Demonstrate an understanding of the costs of testing to the healthcare system and use this knowledge to guide allocation of finite resources when requesting tests, while balancing patient care needs.
8. Effectively lead or contribute to the health care team; delegate and distribute tasks fairly; use time wisely
9. Participate in patient safety initiatives and identify opportunities for quality improvement.

Health Advocate

By the end of the rotation the Senior General Surgery resident will be able to:

1. Ensure timely access to adjuvant or neo-adjuvant therapy for patient with cancer.
2. Organize resources to enable patients to be safely discharged from hospital in a timely fashion.
3. Assess patients for modifiable risk factors. Demonstrate familiarity with the important determinants of health affecting patients, such as smoking, obesity and advise appropriate lifestyle or other preventative measures.
4. Disclose an adverse event or medical error in appropriate circumstances

Scholar

By the end of the rotation the Senior General Surgery resident will be able to:

1. Demonstrate curiosity and interest in the field by reading around cases to expand their scope of knowledge.
2. Present and discuss level relevant topics at teaching rounds including morbidity and mortality reviews and teaching rounds.
3. Teach and supervise undergraduate students and junior trainees.
4. Use the principles of adult learning and help others learn by providing guidance and by giving constructive feedback.
5. Interpret the medical literature and integrate best practice information into clinical practice
6. Develop and implement an on-going effective personal learning strategy

Professional

By the end of the rotation the Senior General Surgery resident will be able to:

1. Enable resident team members to respect the PARO contract.
2. Provide patient care in a compassionate, honest and ethical manner, with integrity, reflecting an understanding of issues related to age, gender, culture and ethnicity.
3. Demonstrate appropriate professional, intra-professional and interpersonal behaviour.
4. Maintain appropriate boundaries, including appropriate draping for a physical examination and appropriate presentation of a case to a group in the presence of the patient.
5. Take complete responsibility for assigned tasks
6. Recognize own limitation and seek advice when necessary; accept advice and respond appropriately
7. Adhere to legal and ethical codes of practice, including confidentiality, informed consent, mandatory reporting