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## General Surgery Residency Program Mount Sinai Hospital: AQUA Team

### SENIOR RESIDENT Rotation Specific Goals & Objectives

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

Acute Care Surgery  
Advanced Gastrointestinal Cancer Surgery  
Surgery for Peritoneal Malignancy  
Breast Oncologic Surgery  
Melanoma Cancer 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
2. Demonstrate level specific degree of synthesis; integrates all relevant information into care plans
3. Develop and execute therapeutic plans
4. Create plans that are documented, organized and well executed
5. Manage adhesive intestinal obstruction; manage early post-operative, malignant or IBD intestinal obstruction.
6. Provide the medical management of IBD.
7. Recognize the indications for surgery for IBD and provide appropriate pre and postoperative care of the IBD patient population
8. 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.
9. Describe the presentation, prognosis and treatment options for patients with peritoneal based malignancies
10. Conduct an appropriate diagnostic workup of patients with breast disease, including fibroadenoma, Phylloides tumour, DCIS, LCIS, invasive breast cancer, locally advanced breast cancer and metastatic breast cancer including appropriate use of mammography, ultrasound, core biopsy, MRI, indications for radiotherapy, chemotherapy, hormonal therapy, neoadjuvant therapy, as well as palliation for advanced breast disease
11. Order appropriate diagnostic workup of patients with pigmented skin or melanoma
12. Order appropriate screening and apply the appropriate criteria for colorectal and anal cancer.
13. Manage colorectal and anal cancer, including obtaining appropriate surgical margins, recognizing the role of lymphadenectomy, chemo and radio therapy, neoadjuvant therapy, providing appropriate treatment of advanced and metastatic disease, as well as palliation.
14. Manage postoperative complications of the gastrointestinal surgical patient
15. Describe the indications for surgery and the short and long term complications of peritonectomy and intra-abdominal chemotherapy
16. Recognize and provide appropriate medical and psycho-social support for patients at the end of life
17. Apply best practices to the management of urinary catheters, intravenous lines, central lines and drains
18. Recognize urgent situations and respond with prompt intervention and appropriate communication

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19. Correctly interpret CT imaging pertaining to general surgery (CT chest, abdomen, pelvis)
  20. Manage the perforated abdominal viscus.
  21. Recognize and manage complications of intestinal surgery such as anastomotic disruption, abscess, fistula, post-operative bleeding
  22. Recognize and manage complications such as myocardial infarction, deep vein thrombosis, pulmonary embolism, pneumonia, urinary tract infection, catheter related blood stream infection.

### ***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 the operation
2. Recognize planes, 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. Provide operative management of palliative patients
8. Safely complete a large bowel anastomosis with some assistance.
9. Safely complete a fistulotomy.
10. Conduct an emergency laparotomy for an acute abdomen
11. Safely complete a laparoscopic/open colon resection with some assistance
12. Provide operative management for perforated appendicitis.
13. Safely achieve source control in patients with peritonitis, necrotizing soft tissue infections.
14. Perform a total mesorectal excision of the rectum with some assistance
15. Assist in the conduct of an axillary dissection or conduct an axillary dissection with some assistance

### ***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 elective surgery, providing sufficient information regarding risks and benefits of treatment alternatives. Obtain informed consent for in the setting of critical illness or complications following surgery
4. Communicate effectively with patients and families. Uses 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 the appropriate detail of important issues;

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### ***Collaborator***

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

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 works with others to prevent misunderstandings, manage differences and resolve conflicts
4. Collaborates with community agencies (as required)
5. Notify the team on call and the responsible attending surgeon for any patient with active issues prior to leaving the hospital (e.g. 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 provides 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; uses 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 all patients for risk factors for surgical conditions. Demonstrate familiarity with the important determinants of health affecting patients, such as smoking, obesity and advises 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

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*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