

**Toronto East General Hospital, Division of General and Thoracic Surgery
Goals and Objectives for General Surgery Trainees**

PGY1 and PGY2 General Surgery residents will generally complete a 2-4 month rotation on the service. Senior General Surgery residents (PGY3-5) will complete a 2-4 month rotation on service. The General Surgery service at TEGH offers a rich exposure to key areas of General and Thoracic Surgical care including learning opportunities in:

- General Surgery and Surgical Oncology
- Laparoscopic Surgery
- Colorectal Surgery
- Breast Surgery
- Bariatric Surgery
- Thoracic Surgery

The following Goals and Objective are detailed for General Surgery residents and organized by CanMeds roles.

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

Medical Expert:

Knowledge

General Principles

Given a patient with general surgical disease, the resident (PGY1-5) will be able to do the following to the satisfaction of his/her supervisor(s):

1. Take a relevant history.
2. Perform an acceptable physical exam concentrating on the relevant areas.
3. Arrive at an appropriate differential diagnosis.
4. Order appropriate laboratory, radiological and other diagnostic procedures, demonstrating knowledge in the interpretation of these investigations.
5. Arrive at an acceptable plan of management, demonstrating knowledge in operative and non-operative treatment of the disease process.
6. Manage patients in the ambulatory setting, demonstrating knowledge of common office techniques and procedures.
7. Manage the patient throughout the entire in-hospital course, demonstrating knowledge of common office techniques and procedures.
8. Provide a plan for patient follow-up.

Common General Surgery

9. Demonstrate proficiency in the management of acute appendicitis (PGY1-5).
10. Demonstrate proficiency in the management of intestinal obstruction (PGY1-5).
11. Demonstrate proficiency in the management of gallstone disease (PGY1-5).
12. Demonstrate proficiency in the management of gallstone pancreatitis; indications for ERCP, timing of surgery (PGY2-5).
13. Demonstrate proficiency in the management of acute presentations of abdominal wall, inguinal and femoral hernia (PGY2-5).
14. Demonstrate proficiency in the management of acute presentations of peritonitis and perforated viscus (PGY2-5).

Colorectal Surgery and Proctology

15. Demonstrate an understanding of the conservative medical and surgical treatments for common proctology (hemorrhoids, fissure, abscess, fistula, pilonidal disease).
16. Demonstrate an understanding of the medical management and indication for surgery in IBD (PGY2-5).
17. Demonstrate an understanding of the screening options and criteria for colorectal cancer (PGY1-5).
18. Demonstrate an understanding of the surgical options for treatment of rectal prolapse (PGY4-5)

Surgical Oncology

19. Demonstrate proficiency in the diagnostic workup and management of colorectal cancer (PGY1-5).
20. Demonstrate proficiency in the workup and treatment of patients with benign breast tumors and breast cancer (PGY1-5)
21. Understand the principles of surgical treatment of patients with gastric neoplasms (PGY 4, 5).

Thoracic Surgery Objectives

22. Demonstrate proficiency in the workup and treatment of patients with pneumothorax and pleural effusions/empyema (PGY2-5)
23. Demonstrate proficiency in the workup and treatment of patients with lung cancer (PGY2-5)
24. Demonstrate proficiency in the workup and treatment of patients with a mediastinal mass (PGY2-5)
25. Demonstrate proficiency in the workup and treatment of patients with benign esophageal disease including GERD, paraesophageal hernia, achalasia (PGY4, 5).
26. Demonstrate proficiency in the workup and treatment of patients with esophageal cancer (PGY 2-5)

Technical Skills

General Surgery

1. Understand the conduct of a laparotomy (PGY1-2).
2. Demonstrate the conduct of a laparotomy (PGY3, 5).
3. Demonstrate the ability to achieve hemorrhage control in the bleeding patient (PGY3-5).
4. Demonstrate proficiency in the operative management of uncomplicated appendicitis (PGY2, 3).
5. Demonstrate proficiency in the operative management of uncomplicated cholecystitis (PGY2-3).
6. Demonstrate proficiency in the emergency operative management of the acute abdomen, peritonitis, perforated viscus (PGY3-5).
7. Demonstrate proficiency in basic laparoscopic and psychomotor skills (PGY1-2).
8. Demonstrate the safe mobilization of the colon and completion of a bowel anastomosis (PGY2-4).
9. Demonstrate proficiency with the technique small bowel anastomosis (PGY2-4).
10. Demonstrate proficiency in intracorporeal suturing (PGY4, 5).
11. Demonstrate proficiency with breast lumpectomy, mastectomy and sentinel LN biopsy (PGY2-4).
12. Demonstrate the technique of axillary dissection (PGY5).
13. Demonstrate proficiency in completing a laparoscopic colon resection (PG4-5).
14. Demonstrate proficiency in the operative management of acute cholecystitis (PGY4-5).
15. Demonstrate proficiency in operative management of perforated appendicitis (PGY4-5).
16. Demonstrate the technique of total mesorectal excision (PGY4,5)
17. Demonstrate the technique of end and loop stoma formation (PGY1-5)
18. Demonstrate the safe completion of an anal fistulotomy (PGY2-5).
19. Demonstrate the safe surgical treatment of anorectal abscesses (PGY 1 -5)
20. Demonstrate the safe surgical treatment of pilonidal disease

Thoracic Surgery

21. Understand the conduct of a thoracotomy (PGY1-2).
22. Demonstrate the conduct of a thoracotomy (PGY3, 5).
23. Demonstrate the conduct of insertion of a tube thoracostomy for pneumothorax, pleural effusion, empyema
24. Understand and demonstrate the conduct of a bronchoscopy

Manager

1. Demonstrate proficiency in the pre and post operative care of patients undergoing elective and/or emergency surgery (PGY1-5).
2. Demonstrate proficiency in obtaining informed consent for emergency and elective surgery (PGY1-5).
3. Demonstrate the ability to meet the diverse learning needs of housestaff at various levels and from various disciplines (PGY3-5).
4. Demonstrate the ability to interact effectively at multidisciplinary rounds (PGY1-5).
5. Ensure timely discharge of patients (PGY1-5).
6. Ensure timely completion of the on-call schedule (Chief administrative resident).
7. Demonstrate proficiency in the management of postoperative complication after major laparotomy (PGY1-5).

Communicator/Collaborator

1. Demonstrate proficiency with completing the surgical checklist with the peri-operative team (PGY2-5).
2. Demonstrate proficiency in communicating with consultant services and collaborates effectively with consulting services and allied professionals to ensure best care delivery (PGY1-5)
3. Demonstrate proficiency in completion of the electronic handover tool after their on-call period (PGY1-2).
4. Demonstrate proficiency in consulting relevant services and incorporating relevant therapeutic plans into the overall plan of care for the patient (PGY1-5).

Professional

1. Demonstrate proficiency in handover with the team on call and the responsible attending surgeon for any patient with active issues prior to leaving the hospital (pending investigations, requires clinical reassessment, pending surgical intervention, recent transfer to the ICU).
2. Demonstrate proficiency in timely completion of medical records: OR dictations, consult notes, death certificates.
3. Enables resident team members to respect the PAIRO contract (PGY1-5).
4. Engage in patient safety initiatives and identify opportunities for quality improvement in surgical care delivery (PGY1-5).
5. Provides patient care in a compassionate and ethical manner, reflecting an understanding of issues related to age, gender, culture and ethnicity.

Scholar

1. Demonstrate a curiosity and interest in the field (PGY1-5).
2. Reads around cases to expand their scope of knowledge (PGY1-5).
3. Demonstrate proficiency in presentation and discussion of level relevant topics at teaching rounds including morbidity and mortality reviews, MCCs and journal clubs (PGY1-5).
3. Maintains an acceptable attendance record at teaching rounds (PGY1-5).
4. Demonstrates proficiency in the teaching of UG students and junior trainees (PGY1-5).

Health Advocate

1. Demonstrate proficiency in ensuring diagnostic tests are completed in a timely fashion (PGY1-5).
2. Demonstrate proficiency in ensuring timely access to adjuvant or neo-adjuvant therapy for patient with cancer (PGY1-5).
3. Demonstrate proficiency in organizing resources to enable that patients can be safely discharged from hospital in a timely fashion (PGY1-5).