

Toronto Western Hospital Endoscopy and Ambulatory Care Rotation for PGY2 General Surgery Residents

December 2012

Preamble

The primary goals and objectives of this rotation will focus on all of the CanMEDS competencies with a focus, in-particular on the Medical Expert and Scholar components, as they apply to two major areas; Endoscopy and Ambulatory Care. This rotation will also provide the junior general surgery resident with an opportunity to be on call without a senior resident and develop an approach to independent on-call decision making as well as medical student education through informal teaching sessions and surgical skills sessions in the simulation lab.

Goals and Objectives

1.1 Endoscopy

The PGY2 surgical resident will be able;

Scholar/Medical Expert- knowledge

- To demonstrate an understanding of the anatomy, epidemiology, pathophysiology, staging, medical and surgical management and the role for endoscopy of both benign and malignant conditions of the upper and lower gastrointestinal tracts, which include but are not limited to:
 - Esophageal/gastric cancers
 - Cancers of the small bowel
 - Colorectal cancer
 - Para-esophageal hernias
 - Pre and post-operative patients undergoing bariatric surgery
 - Diseases of the biliary tract
 - Inflammatory bowel disease
 - Diverticular disease
 - Upper and lower gastrointestinal bleeds

- To demonstrate an understanding of the indications, contra-indications, preparation, risks and complications of gastrointestinal endoscopic procedures, including gastroscopy, colonoscopy, sigmoidoscopy, and endoscopic retrograde pancreaticoduodenoscopy (ERCP).
- To demonstrate the set-up of endoscopic equipment.
- To complete the FES course by the conclusion of the PGY2 year (In development).

Scholar/Medical Expert – technical skills

- To perform initially under the close observation of staff physicians with eventual full competence by the end of the 2 month rotation:
 - Gastroscopy (goal: 50 total procedures)
 - Colonoscopy (goal: 40 total procedures, 20 polypectomies)
 - Sigmoidoscopy (goal: 5 total procedures)
- To demonstrate an understanding of the indications and role for therapeutic endoscopy for both gastroscopy and colonoscopy and be able to perform them during colonoscopy. These include: snare biopsies, fulguration, polypectomies, endoclips and other therapeutic interventions.
- To perform the above endoscopic procedures in the elective setting.
- To perform the above endoscopic procedures in the emergency setting.
- To perform the above endoscopic procedures intra-operatively for gastric bypasses and colonic procedures requiring anastomoses.

Manager

- To assess the need for and organize when necessary endoscopic interventions for patients arising from emergency consultations.

Communicator/Collaborator

- To in collaboration with the RNs in the endoscopy suite – build a collaborative and patient centered working relationships
- To gain consent for routine endoscopic procedures
- To demonstrate competency in counseling patients and their families about surgery, follow-up care, including obtaining informed consent while being able to discuss the risks, benefits, and alternatives to the procedure.

1.2 Ambulatory Care

The PGY2 surgical resident will be able;

Scholar/Medical Expert - knowledge

- To demonstrate proficiency in the ambulatory management of out-patients by attending 2-2.5 5 ambulatory clinic days per week based on on-call duties and scoping requirements.
- To demonstrate proficiency in the out-patient management of bariatric patients (pre and post-operative clinic on Fridays), and benign and malignant process of the upper and lower gastrointestinal tracts and to see both new patients and post-operative follow-ups.
- To understand the anatomy, epidemiology, pathophysiology, staging, medical and surgical management of both benign and malignant conditions of the upper and lower gastrointestinal tracts, which include but are not limited to:
 - Esophageal/gastric cancers
 - Cancers of the small bowel
 - Colorectal cancer
 - Hiatal hernias
 - Pre and post-operative patients undergoing bariatric surgery
 - Diseases of the biliary tract
 - Inflammatory bowel disease
 - Diverticular disease
 - Upper gastrointestinal bleeds

1.3 On-call duties and Medical Student Education

The PGY2 surgical resident will be able;

Scholar/Medical Expert

- To demonstrate proficiency in medical student education related to common problems and presentations in terms of general surgery and endoscopy.
- To demonstrate proficiency in teaching students in the simulation lab both with respect to basic laparoscopic and open surgical techniques (instrument tying, hand tying etc.).
- To undertake on-call duties without a senior resident and develop senior level approaches to the ward, emergency room and operating room.
- To identify sick patients who require urgent operations and to prepare them for those operations.

1.4 Weekly Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
General Surgery Clinic	Endoscopy	Endoscopy	Endoscopy	Bariatric Clinic
General Surgery Clinic	General Surgery Clinic	Endoscopy	Endoscopy	Bariatric Clinic

* On call duties can also apply to any of these days, including weekends.