

ROTATION SPECIFIC OBJECTIVES

*Division of Gastroenterology, Department of Medicine
University of Toronto*

LUMINAL – TORONTO WESTERN HOSPITAL**OVERVIEW**

The Luminal GI rotation at Toronto Western Hospital has a focus on ambulatory care service, with consultation to key priority programs – Neurosciences, Musculoskeletal and General Internal Medicine Programs, in addition to bariatric surgery and surgical oncology. The GI Resident is responsible for participation in patient care both on the inpatient and outpatient consultative services. The GI Resident is assigned at least 1 outpatient clinic per week, with at least one in Neurogastroenterology and Motility on alternate weeks. The GI Resident is expected to develop his / her CanMEDS role as a leader, on a rotation, which has multiple opportunities for learning, collaboration and service. During the rotation, the GI Resident will be expected to integrate radiology and outpatient endoscopy for the clinical care of patients. The trainee is expected to attend at least one half-day at the TWH GI Motility Investigative Unit to gain exposure in the application of anorectal manometry and/or anorectal Biofeedback. In addition, the presence of a world-class unit in rheumatologic diseases provides trainees with the unique opportunity to explore the linkage (and management of) between gastroenterology illnesses and connective tissue disorders, i.e. ankylosing spondyloarthropathies and inflammatory bowel disease, Sjogrens' syndrome, Scleroderma and celiac disease. In addition, TWH is one of the key sites for minimally invasive surgery, with a focus on bariatric surgery and surgical oncology, The GI Resident may be assigned to clinics in each of bariatric surgery and surgical oncology. The latter will provide the GI Resident the unique opportunity to learn about the principles of surgical oncology (pre-operative staging, tattoo application at endoscopy, relevant surgical anatomy) relevant to the gastroenterologist and the pre-operative work-up of the bariatric patients, types of bariatric surgery and their associated complications.

CANMEDS-BASED OBJECTIVES

At the end of the rotation, the GI Trainee will be able to:

MEDICAL EXPERT

- Incorporate basic science knowledge into clinical care. Has clinical knowledge sufficient to manage common GI problems (e.g. GI Bleeding, intestinal motility problems, pancreaticobiliary disease)
- Demonstrate knowledge in luminal aspects of general gastroenterology areas, with a particular focus on neurogastroenterology and gastrointestinal manifestations of rheumatologic (Ankylosing spondylitis, scleroderma) and common hepatology disorders

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- Demonstrate knowledge in the management of gastrointestinal bleeding in complex medical patients, with multiple comorbidities
- After appropriate diagnosis is considered, plan a clear and appropriate investigation plan
- Demonstrate basic competency in the interpretation of radiological studies (e.g. plain radiographs, small bowel contrast studies, CT enteroclysis, CT, MRCP, etc.)
- Demonstrate understanding of the principles of conscious sedation – dosing, monitoring, antidote for over sedation
- Recognize relevant endoscopic pathology
- Perform flexible sigmoidoscopy with / without biopsy
- Perform esophagogastroduodenoscopy with / without biopsy
- Perform colonoscopy with / without biopsy
- Perform therapeutic endoscopic procedures: endoscopic hemostasis (injection, thermal, endoclips therapy, variceal banding), polypectomy
- Demonstrate understanding of the indications for / and perform basic endoscopic procedures for the management of esophageal motor disorders i.e. pneumatic dilatation, botox injection
- Demonstrate knowledge of neuromuscular physiology of the control of defecation
- Demonstrate understanding of the indications of anorectal manometry
- Interpret the results of anorectal manometry studies of common entities (RAIR, pelvic floor dyssynergy) and apply the results to formulate a comprehensive patient care plan
- Understand the principles and indications and operator characteristics of hydrogen and carbon dioxide breath tests for the assessment of small bowel overgrowth
- Apply the results of different breath tests to formulate a comprehensive patient care plan
- Obtain informed consent for procedures (endoscopy, anorectal manometry) and treatment (anorectal biofeedback)
- Demonstrate familiarity with the principles of surgical oncology relevant to the gastroenterologist – i.e. application of tattoos, types of surgery and complications

COMMUNICATOR

- Communicate the results of investigations and clear management plan to patient and his / her family members
- In an ethnically diverse clinical setting, utilizes telephone interpreters, in addition to on site interpreters (professional, family members) in order to optimize clinical decision making and provision of clinical care
- Demonstrates effective skills in communication with patients presenting with challenging gastrointestinal disorders, with attention to trust and patients' values and autonomy

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COLLABORATOR

- Work effectively with allied health professionals, including endoscopy nurses, dietitians, TPN pharmacists, speech language pathologists and motility technician
- Appropriately consult surgical and other services to effectively coordinate patient care with referring physicians, family physician and other consultants
- Demonstrate the ability to form strong professional relationships with other medical and surgical specialties.
- Demonstrate effective communication skills, both verbal and written, with referring doctors, with an emphasis on the ability to synthesize data into a cohesive summary, with clear management plan, in a timely manner

LEADER

- Utilize health care resources appropriately
- Manage time appropriately – on the in-patient consultation service, endoscopy service, outpatient clinic, academic endeavors.
- Demonstrate acquisition of some of the skills required to manage a busy gastroenterology practice, including how to triage referrals, scheduling of follow-up visits, procedures and investigations

HEALTH ADVOCATE

- Implement preventative measures (triage endoscopy cases, collaboration with anesthesia when airway protection is required for endoscopic procedures etc.)
- Given the unique location of TWH in the inner city, is sensitive to and addresses patient-centred limitations to management (i.e. psychosocial, financial, linguistic)
- Demonstrate the knowledge of the determinants of health in various GI diseases
- Demonstrate knowledge that helps patients to navigate the health care system and to access additional appropriate learning resources, e.g. introduce creditable patient information web-based resources.

SCHOLAR

- Demonstrate self-directed learning (critical review of the literature for patient care, rounds)
- Demonstrate knowledge of key basic science principles (biochemistry, pathology, physiology, genetics, anatomy, pharmacology) as they apply to gastroenterology

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PROFESSIONAL

- Be respectful and honest at all times toward patients, faculty, peer trainees, other health professionals
- Demonstrate an attitude consistent with professional standards, including the delivery of patient care, particularly in patients with functional GI disease.