



Adult Gastroenterology
University of Toronto
Overall Goals and Objectives

On completion of the Adult Gastroenterology Residency Program, the trainee must be able to function as a consultant in the essential roles and CanMEDS competencies of gastroenterologists.

In the PGY4 and PGY5 years, the trainee will be able to:

MEDICAL EXPERT

PGY4

- demonstrate knowledge and clinical skills to manage patients with common luminal gastroenterology and hepatology disorders, based on a wide exposure to diverse clinical problems on various rotations at multiple hospitals
- demonstrate working knowledge of anatomy, pharmacology, pathology, radiology and physiology as each applies to gastroenterology and hepatology
- describe and select appropriate radiology investigations in the context of cost, resource limitations and efficacy
- understand the necessary quality metrics for endoscopic procedures (i.e. cecal intubation, polyp detection rate, withdrawal time, bowel preparation)
- demonstrate proficiency in upper endoscopic procedures, including methods for hemostasis (i.e. injection, endoclip, thermal therapy)
- demonstrate basic skills in colonoscopy, including the removal of diminutive polyps

PGY5

- continue to acquire and clinical knowledge and expertise to manage patients with common gastroenterology and hepatology disorders in the inpatient setting and outpatient clinics
- consolidate knowledge, with focus on areas that may require additional exposure via ambulatory multi-site rotation, longitudinal clinic, Selective and Elective rotations
- demonstrate knowledge and clinical expertise to discuss and appropriately implement advanced medical therapies (i.e. immunosuppressant, immunobiologic, antiviral agents), surgical procedures (i.e. pelvic pouch surgery, Nissen Fundoplication, bariatric surgery, liver transplantation) and techniques (therapeutic endoscopy)
- apply knowledge of anatomy, pharmacology, pathology, radiology and physiology in clinical practice, with appropriate back-up and with graded independence



- perform high quality upper and lower endoscopy procedures, with less or no assistance in a safe manner with minimal discomfort to the patient
- demonstrate the ability to identify and manage common and rare endoscopic pathology findings (with graded supervision)
- interpret medically appropriate radiology investigations (i.e. CT scan, CT enteroclysis and other small bowel studies, MRI, ERCP, EUS, capsule endoscopy)

COMMUNICATOR

PGY4

- provide clear communication to patients regarding their diagnosis and management plan
- obtain informed consent for endoscopic procedures, including the discussion of risks and benefits

PGY5

- demonstrate empathy and effective communication with patients and family members independently

COLLABORATOR

PGY4

- develop an appreciation for the important roles of the allied health care professionals, and the concept of a multidisciplinary team in the context of gastroenterology (i.e. parenteral nutrition – pharmacist, nutritionist; endoscopy – endoscopy nurses; inflammatory bowel disease – enterostomal nurses, surgeons, nursing staff with specialization) and hepatology (i.e. nursing staff with specialization)
- provide complete and clear documentation (oral, written and dictated chart notes) in a timely manner

PGY5

- communicate effectively with other physicians, including radiologist, pathologists, surgeons and other referring physicians, and members of the multidisciplinary team to optimize patient-centred care

LEADER

PGY4

- demonstrate the ability to lead members of a multidisciplinary team during emergent and non-emergent situations
- demonstrate leadership in administrative roles (committee membership, education)

PGY5

- gain an understanding of the operational aspects of arranging follow-up care for inpatients and outpatients
- develop an understanding of the financial management of an office practice i.e. billing practices, costs (secretarial, office supplies, rent)
- demonstrate leadership in the mentorship of PGY4 trainees to optimize clinical, research and educational opportunities
- demonstrate leadership in administrative roles (i.e. organization and administration of call schedules, quality and safety project lead, program review, committee membership, Chief Resident Role)

HEALTH ADVOCATE**PGY4**

- counsel patients and the practice communities that they serve on disease prevention and health promotion
- describe and implement pre-procedural measures to optimize safety (i.e. antibiotic prophylaxis, management of anticoagulants, assessment of co-morbidities, including cardiac, respiratory and renal status) and quality measures (i.e. bowel preparation) in endoscopy
- identify the potential risks of endoscopy for the endoscopist, patients and assistants and ensure that measures are in place to minimize these

PGY5

- demonstrate knowledge regarding the cost to benefit ratio of emerging medical therapies (i.e. antiviral medications, immunobiologic therapies, innovative motility agents)
- consolidate clinical expertise and knowledge learned in PGY4 year, and implement health advocacy objectives with minimal supervision, with appropriate faculty back-up

SCHOLAR**PGY4**

- advance skills to critically appraise the gastroenterology literature
- teach and mentor junior trainees, including medical students and core general medicine trainees
- demonstrate the ability to propose a research question, draft a research proposal for PGY5 year research project and complete an REB application

PGY5

- critically evaluate the gastroenterology literature and apply in the clinical setting
- complete a research study and disseminate the results of scholarly work at local (Research Day), provincial, national meetings



- demonstrate strategies for the implementation of self-appraisal and life-long learning

PROFESSIONAL

PGY4

- fulfill the obligations of a gastroenterology resident, including implementation of a CanMEDS Portfolio, comprehensive documentation practices, completion of required evaluations, attendance at academic rounds
- implement a tracking system for procedures and clinical cases

PGY5

- recognize and respond to the ethical issues in medical decision-making
- establish his / her role as a leader for a given patient's care
- maintain a CanMEDS portfolio, and understand the principles of Maintenance of Certification (Royal College of Physicians and Surgeons)
- implement plans to pursue career opportunities: academic vs community, education, research (translational, quality, clinical, basic science), administration