

# Colorectal Surgery Residency Program

## Educational Objectives – **Research Year**

---

University of Toronto

2020

The research year will be under supervision of one of the faculty colorectal surgeons, depending on the research interests of the resident.

Evaluation will include an end of rotation In-training evaluation every 3 months. There will also be a formal presentation and evaluation at the Colorectal Journal Club.

While this rotation year focuses on the CanMEDS Communicator and Scholar, it is expected that the trainee will demonstrate proficiency in all spheres.

## **EDUCATIONAL OBJECTIVES – RESEARCH YEAR**

### **1. EXPERT**

Residents will be able to demonstrate knowledge relevant to the specific area of research, as well as general knowledge relating to the chosen field of study. (Expert)

### **2. COMMUNICATOR**

At the completion of their rotation, colorectal residents will demonstrate the ability to:

1. present information in a formal setting
2. write an abstract/paper suitable for publication in a peer reviewed journal
3. write and submit a grant application

### **3. COLLABORATOR**

The colorectal research resident will demonstrate the ability to work effectively as part of an interdisciplinary research team

### **4. LEADER**

At the completion of their rotation, colorectal residents will demonstrate the ability to:

1. Participate in quality process evaluation and improvement, such as patient safety initiatives
2. Be lead investigator on a research project, overseeing all aspects of the project.

### **4. HEALTH ADVOCATE**

At the completion of their rotation, colorectal residents will demonstrate knowledge of how to advocate for research funding.

### **5. SCHOLAR**

1. Understand general principles such as basic experimental design, trial design, critical appraisal of the literature, biostatistics, and research ethics.
2. The resident should demonstrate competence in developing and completing a research project, including:

- a. the ability to design, plan and carry out an experiment and to analyze and interpret the results
- b. the ability to present information in a formal setting and to defend such a presentation
- c. the ability to write an abstract/paper suitable for publication in a peer reviewed journal

## **6. PROFESSIONAL**

The resident should develop knowledge of the ethics of research, including:

- a. a commitment to the importance of absolute objectivity and honesty in the conduct and reporting of research
- b. knowledge of the ethical issues relevant to the conduct of research in human subjects
- c. understanding of the need for continuing self-education (Professional)