

## **Abdominal Rotation Goals & Objectives**

St. Paul's Hospital

**Level:** PGY 2 -5

Rotation Supervisor: Dr. Jacquie Brown

During the four year residency program in diagnostic radiology, residents will receive a total of six months of training in abdominal imaging and are expected to develop graded responsibility as they progress through the training years. Guidance will be given to each resident at the commencement of the rotation, an interim evaluation will occur halfway through the rotation, and a final evaluation will be given at the rotation's end. Each final evaluation will be submitted to the residency training program director.

The resident on the abdominal rotation at SPH is responsible for all emergency plain films, ERCP's, CT enterography and CT colonography examinations and fluoroscopic procedures performed during the week including cystograms, small bowel follow throughs, modified barium swallows, hypaque enemas to assess for postoperative leak prior to reanastomosis and UGI studies. The residents also have the opportunity to obtain body MRI experience which is shared with one of our three body imaging fellows. St. Paul's hospital has very busy gastroenterology and colorectal departments with considerable opportunity to gain experience in the above modalities. We also provide the residents the opportunity to review 30 CT colonography cases with pathology correlation on our GE workstation.

The more senior residents also have the opportunity to participate in one of two body intervention rooms during which time they will acquire experience in many types of biopsies including renal, liver and thyroid. Here, they will also have the opportunity to perform chest and abdominal drainages as well as nephrostomies as they arise.

Residents are expected to review cases independently, consolidate findings, formulate a differential diagnosis and management plan prior to discussing the case with the staff radiologist.

### **Objectives:**

#### **Medical Expert**

Knowledge of GI anatomy

Understands how and why the protocols used to perform CT enterography and CT colonography differ from others in the abdomen.

Understand indications and contraindication to various GI and GU fluoro based imaging procedures

Perform GI and GU exams with supervision appropriate to level of training

Development of ability to detects findings, summarize cases, offer recommendations, understands treatment and clinical implications

Interpret findings into an appropriate differential diagnosis

Develops the ability to integrate plain film findings including those of barium and ERCP with cross-sectional and multiplanar findings in the abdomen and pelvis.

Develops knowledge of abdominal and pelvic pathologies seen in clinical practice.

Develops the ability to integrate findings to form a clinically useful differential diagnosis and management plan.

Understands the implications that imaging findings have on treatment and management decisions.

Shows competence in manual and procedural skills.

### **Communicator**

Dictates accurate, concise and useful reports in an expedient manner following discussion of the case with the staff radiologist.

Communicates all time sensitive important findings to the clinical team/ordering physician.

Communicates effectively with patients, families, and other health professionals.

Obtains informed consent from patients and their families in an appropriate fashion.

### **Collaborator**

Consults effectively with the clinical team including physicians, nurses, technologists and clerical support staff. Fulfills consultant role (for level of training)

### **LEADER ROLE:**

Implement processes to ensure personal practice improvement

Set priorities and manage time to integrate practice and personal life

Apply the science of quality improvement (ie discussion of potential audit) to contribute to improving systems of patient care

Contribute to a culture that promotes patient safety, including recognition of patient safety issues, and utilization of health informatics to improve patient safety

Demonstrate leadership skills to enhance health care

### **Scholar**

Develops and monitors a personal continuing education strategy, including self-directed learning and teaching of other residents and students.

Shows competence in the evaluation of medical literature.

### **Professional**

Demonstrates integrity, honesty and compassion in both personal and professional behaviours.

Demonstrates insight into one's personal strengths and weaknesses.

Demonstration of ethical behaviour, satisfactory attendance, punctuality, level of responsibility and reliability expected of a radiology resident.