



Bariatric Surgery – MUHC Objectives of Training

Preamble

The Bariatric Team provides a general surgery experience with specific focus in the areas of bariatric surgery for the patient suffering of obesity and the related complications. The education objectives are best achieved through integration of ambulatory (Weight Management clinic), emergency (early and late complication), ward and intra-operative care. The objectives for the resident are structured to fulfill the CanMeds 2005 roles of specialty competence. Surgical activity occurs at the MUHC- RVH site and Lachine General Hospital.

There will be a formal FITER evaluation at the end of the rotation based on the objectives however the resident can expect mid rotation examination and evaluation with appropriate feedback. In addition technical competency will be assessed. On-going feedback will be provided throughout the rotation by the staff members to identify areas of strength and weakness. There is strong emphasis on basic and advanced laparoscopic surgery.

SENIOR OBJECTIVES

Medical expert/clinical decision maker

With the guidance of the Staff, the senior resident has the responsibility of the patients on the wards and the operating room. The resident ought to delegate and supervise the junior resident in his or her responsibilities. On the wards the senior resident must have complete grasp of the clinical, cultural and socioeconomic condition of the patients under their care. Attendance and participation in rounds are mandatory. The senior resident will be responsible for the attendance at the operating room and delegate cases to the junior resident appropriately. The senior resident will also ensure that adequate coverage is available for the operating room.

OBJECTIVE 1: The resident will display effective clinical skills

Listed below are the general surgery/bariatric specific clinical objectives for residents. It should be noted that not all objectives will be met on this rotation. Further learning takes place during related rotations, seminars and independent study.

History and Physical

- Performs a focused, accurate and complete history and physical exam
- Utilization of Laboratory and Other investigations
- Utilizes health care resources effectively
- Can justify investigations ordered
- Can interpret clinical information and integrate it appropriate
- Problem Solving and Clinical Judgment
- Can get the pertinent factual information
- Takes all data into account in problem formulation
- Will demonstrate ability to detect post-operative complications through history and clinical examination.
- Shows good judgment when setting management priorities
- Set management in a time sensitive manner
- Demonstrates a systemic approach to clinical problem solving
- Implementing a management Plan
- Writes orders that are clear, comprehensive and correct
- Used available protocol
- Consult with non-surgical specialists when needed
- Is fully aware of the side effects of the therapies ordered



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At the end of this rotation the resident will have had exposure to some of the following situations:

1. Will develop understanding of various diet and caloric management systems including how they work and short- and long-term outcomes. They will have an understanding of potential complications of low calorie diets and ability to monitor for adverse outcomes
2. Determine whether a patient is fit for surgery based on an understanding of the determinants of operative risk
3. Apply such knowledge in evaluating obese patients for appropriate management, understand appropriate evaluation of the obese patient including end-organ by-products of the disease Cardiac Disease, Pulmonary Disease, Musculoskeletal Disease, Psychological Disease and Metabolic Diseases
4. Manage common in-patient problems in the postoperative period such as:
 - Pain
 - Sepsis
 - Fluid and electrolyte support
 - Bowel obstruction
 - Nutritional support
 - DVT prophylaxis and pulmonary embolus

SECONDARY OBJECTIVES

The following objectives are design to enhance your bariatric rotation. After reading on the following objectives you will gain in depth knowledge on the multifaceted aspect of bariatric care.

Minimum scope of understanding will include:

- The epidemiology of obesity, including adolescent and geriatric obesity
- The physiologic and interactive mechanisms of morbid obesity
- The psychological issues associated with Morbid Obesity
- Identification and management of nutritional deficiencies related to surgery
- Outcomes of bariatric surgery

Resident must be aware of more than one type of weight loss operation:

- Laparoscopic and open surgical access
- Restrictive, Gastric bypass, Malabsorbtion.

Will gain comprehensive understanding of management of complications and obesity related conditions.

Early Complications

- Identification
- Management

Late Complications

- Identification
- Management



KNOWLEDGE (Technical)

At the end of the rotation, the resident must be able to:

- Ability to handle tissues and familiarity with the concepts of tissue planes
- Ability to handle instruments (needle drivers, retractors, etc.)
- Ability to enter the abdomen in laparotomies and close an abdominal wound
- Understand and be able to manipulate open stapling devices
- Ability to manipulate the camera in laparoscopy
- Perform basic laparoscopic techniques, including:
 - trocar insertion by the open technique
 - use of the 30 degree telescope
 - extracorporeal knot-tying
 - use of ligating loops
- Perform closure of a variety of incisions in the abdomen
- Perform Bladder catheters
- Wound care (local anaesthesia, suturing, dressings)
- Nasogastric and gastrostomy tubes
- Wound abscess; incision and drainage
- Ultrasound
- Central line placement with ultrasound guidance
- Gastroscopy
- PEG tube
- Intra operative first assist at and when competent do:
 - Laparoscopic knot tying (when augmented with practice in the skills lab)
 - GI stapling/Anastomosis

Communicator

The resident will demonstrate the ability to establish a therapeutic relationship with the patient and family. This includes the ability to get and share pertinent information with the patient and the health care team.

- The resident will display effective doctor – patient communication skills
- Establish a comfortable and professional rapport with the patient and family
- Encourage full participation of the patient – family in decision-making and management
- Can obtain an informed consent
- Will assist in the weekly discharge rounds
- Attendance at least one patient bariatric info session
- Attendance at least one bariatric patient support group
- Provides clear instructions and checks whether the patient (family) understands
- Verbally presents the patient’s problems clearly, concisely and correctly in clinical setting in formal presentations and in the written records

Collaborator

The resident will demonstrate the ability to work effectively in a team environment, by contributing to interdisciplinary patient care activities and by consulting effectively with other physicians.



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- The resident will display good collaborative team skills
- The resident displayed good organization skills
- The resident displayed good time management skills
- Has a straightforward approach with staff and peers
- Assists others as required
- Takes on appropriate share of team assignments
- Takes time and effort to explain information to others

Professional

The resident will practice medicine ethically: with integrity, honesty and compassion, always demonstrating respect for others. Their duties will be discharge reliably and they will always strive for excellence.

- The resident will carry out their duties in a professional manner
- Recognizes limitations and seeks advice and consultation when needed
- Exercises initiative within limits of knowledge and training
- Discharges duties and assignments dependably and in a timely and ethical manner
- Maintains appropriate boundaries in work and learning situations
- Respects the diversity of race, age, gender, disability intelligence and socio-economic status

Scholar

The resident will develop, implement and monitor a personal continuing education strategy that will include the ability to critically appraise the literature. The resident will develop teaching skills in order to facilitate the learning of their patients and peers.

- The resident will develop a plan for self-improvement
- Attends and contributed to rounds, seminars and other learning events
- Accepts and acts on constructive feedback
- Reads about patient cases and takes an evidence-based approach to management problem

Manager

The resident will utilize health care resources effectively to balance patient care and learning needs.

Health Advocate

The resident will recognize and respond to those patient care issues where patient advocacy is appropriate.

- The resident is a patient advocate (health advocacy)
- Identifies situations where patient advocacy was required
- Acts as a patient advocate