

GENERAL SURGERY
PGY2 OBJECTIVES

MEDICAL EXPERT

Basic Science Knowledge Understand the embryological development of the peritoneal cavity and the positioning of the abdominal viscera, development of primitive gut and its appendages, including normal rotation and fixation
Understand the anatomy, physiology, pathophysiology and presentation of diseases of the abdominal cavity and pelvis, as well as alimentary tract and digestive system
Understand the absorption and secretory functions of the peritoneal surfaces and the diaphragm
Understand the anatomy of the omentum and its role in responding to inflammatory processes

Clinical Knowledge Evaluate emergency department or clinic patients who present with problems referable to the GI tract or intraabdominal contents using history and physical examination
Understand referred pain in: Ruptured spleen, renal colic, biliary colic, pancreatitis, basilar pneumonia, inguinal hernias
Understand the use of the following diagnostic studies: Plain x-rays, contrast gastrointestinal (GI) studies, ultrasound, CT scanning, biliary studies, renal studies, Magnetic Resonance Imaging
Understand the use of Fiberoptic endoscopy, Rigid anoscopy and sigmoidoscopy
Understand the postoperative management of: nasogastric tubes, intestinal tubes, intra-abdominal drains
Demonstrate a working knowledge of the nutritional needs of surgical patients
Provide follow-up care to the surgical patient in the outpatient clinic or surgical office
Understand the immunologic properties of the GI tract and how this barrier is affected by: trauma, sepsis, burns, malnutrition and chronic disease
Understand the principles of intestinal healing

Recognition and Management of Emergencies Able to assess the patient with an acute abdomen and order appropriate investigations and treatment
Coordinate pre- and post- operative care for the patient with the acute abdomen.
Able to assess and provide initial resuscitation and management of the patient with general trauma (according to the guidelines provided in ATLS)

Technical and Procedural Skills Able to assist and perform hernia repairs in the groin or umbilical regions, demonstrating a basic understanding of the anatomy and surgical repair.
Assist and perform closure of abdominal incisions and exhibit competency in suture technique
Serve as assistant to the primary surgeon during operations of the esophagus, stomach, small intestine, colon and anorectum
Perform less complicated surgical procedures such as: Gastrostomy, Meckel's diverticulectomy, Appendectomy, Hemorrhoidectomy, incision and drainage of perirectal abscesses, uncomplicated bowel resections

*Specific Clinical
Expectations*

Hernias- Understand the anatomy and treatment of ventral abdominal hernias: inguinal (direct, indirect) and femoral, umbilical, spigelian, Obturator, Lumbar (Petit), parastomal, and diaphragmatic hernias.
Understand the causes of paralytic ileus and be able to manage the patient with this problem
Be able to anticipate and initially manage wound complications such as infection, fasciitis, dehiscence and evisceration.
Know the etiology and management of intra and retroperitoneal abdominal abscesses of all locations
Causes and Management of GI obstruction, hemorrhage and perforation, inflammatory bowel diseases, acute abdomen
Management of intestinal ostomies
Able to manage patients with multi-organ trauma
