

General Surgery 3/6 - Clinicals 2022/2023

Bibliography:

1. Essential Surgery: Problems, Diagnosis and Management Clive R. G. Quick, Joanna B Reed, Simon J.F. Harper (ISBN: 978-0-7020-4674-2)
2. Schein's Common Sense: Emergency Abdominal Surgery (4th edition). Edited by Moshe Schein, Paul N. Rogers, Ari Leppaniemi, Danny Rosin, Jonathan E. Efron; (ISBN: 978-1-910079-11-9)
3. Schwartz's Principles of Surgery, 10e
4. Presentations from the lecture

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Learning objectives:

Medical knowledge:

- Define, list of symptoms, and propose diagnostic plan of “acute abdomen”
- List the most important items of history taking and clinical exam relevant to surgical patient
- Diagnose symptoms of hypovolemia\hypovolemic\septic shock, suggest diagnostic and treatment plan (including basic calculation of iv drip infusion)
- Diagnose and suggest treatment plan of acid-base disturbances
- Diagnose symptoms of malnutrition. Propose enteral/parenteral nutritional plan
- Know basic types of the wound, stages of healing process, and surgical management of the wound.
- Know aetiology and symptoms, propose diagnostic and treatment plan of most common “acute abdomen” diseases: acute appendicitis, acute cholecystitis, gastrointestinal obstruction, acute pancreatitis, perforation of the gastrointestinal tract, diverticulitis, acute mesenteric ischemia, cholangitis
- Know aetiology and symptoms, propose diagnostic and treatment plan of upper and lower gastrointestinal tract bleeding
- Know non-surgical causes of "acute abdomen"
- Know principles of the first aid in the trauma patients (primary survey according to the ATLS protocol)
- Be familiar with the common surgical procedures (diagnostic laparoscopy/laparotomy, appendectomy, cholecystectomy, hernia treatment)
- Be familiar with the common endoscopic procedures (gastroscopy, colonoscopy, endoscopic retrograde cholangiopancreatography)
- Interpret the basic elements of surgical documentation (patient’s chart, fluid balance chart)
- Basic elements on surgical oncology (c/s/p/y/TNM, R0/1/2 resection, multimodal treatment of cancer, symptoms and diagnostic of breast

cancer and skin melanoma)

Skills:

- Take the history and perform the clinical exam relevant to acute abdominal diseases (acute appendicitis, acute cholecystitis, acute pancreatitis, ileus, perforation of the digestive tract)
- Take the history and perform the clinical exam relevant to abdominal hernia (inguinal, femoral, umbilical and incisional)
- Proper sterile surgical technique in regard to gowning, gloving, scrubbing.
- Basic of surgical wound closure, application of surgical dressings and postoperative wound care
- Knowledge and competency in using local anaesthesia
- Knowledge of the basic types of drains and catheters
- Removal of the surgical drains
- Informed consent for basic acute surgical procedures

Social competence:

- Co-operation in the medical and nursing team

Conditions of gaining credit: Presence at the seminars and practical exercises. (one absence is available)

Assessment methods and criteria for this course:

1. Evaluation of the skills by the assistant.
2. Final written exam with 50 questions (multiple choice)