



SEMMELWEIS UNIVERSITY

Faculty of Medicine
1st Department of Surgery

Chairman
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SURGERY, Final exam topic list from 2021

General topics

- A. Asepsis, antisepsis, definition, tools, measurements
- A. Wound infections, factors, risks, treatment
- A. Symptoms of tetanus, treatment
- A. Symptoms of gas gangrene, treatment
- A. Abscess, phlegmon, empyema, folliculitis, furuncle, carbuncle, hidradenitis, lymphadenitis, lymphangitis
- A. Types and symptoms of pancreatitis
- A. Etiology of hemorrhage, types of bleeding
- A. Haemostatic methods, intraoperative haemostasis
- A. Thrombosis and embolism, thrombosis prophylaxis
- A. Preoperative preparation of the patient
- A. Operative risk, contraindications, postoperative complications
- A. The wound. Its types and classification, wound healing. Treatment of a wound
- A. Principles of Surgical Oncology, TNM classification, metastasis treatment
- A. Basics of brain death, organ donation and transplantation

Special surgery

- B. Surgical diseases of the adrenal gland
- B. Goitre (symptoms, diagnosis, treatment)
- B. Thyroid tumours (symptoms, diagnosis, treatment)
- B. Parathyroid gland: surgical aspects
- B. Hiatal hernia
- B. Esophagitis, achalasia, injuries
- B. Oesophageal tumours
- B. Ulcer disease: surgical aspects
- B. Gastric (symptoms, diagnosis, treatment)
- B. Cholelithiasis, choledocholithiasis (symptoms, diagnosis, treatment)
- B. Complications of gallstone disease (symptoms, diagnosis, treatment)

- B. Biliary strictures and malignancies (symptoms, diagnosis, treatment)
- B. Portal hypertension. Surgical aspects
- B. Benign liver tumours, abscess in the liver (symptoms, diagnosis, treatment)
- B. Malignant liver tumours. Primary and metastatic tumours (symptoms, diagnosis, treatment)
- B. Acute pancreatitis (symptoms, diagnosis, treatment)
- B. Chronic pancreatitis (symptoms, diagnosis, treatment)
- B. Tumours of the pancreas. Radical and palliative surgery
- B. Surgical diseases of the small bowel
- B. Colorectal polyps (symptoms, diagnosis, treatment)
- B. Large bowel tumours (symptoms, diagnosis, treatment)
- B. Rectal cancer (symptoms, diagnosis, treatment)
- B. Diverticula, diverticulosis, diverticulitis (symptoms, diagnosis, treatment)
- B. Crohn's disease: surgical aspects
- B. Ulcerative colitis: surgical aspects
- B. Hemorrhoid and anal fissure
- B. Anal fistula and anorectal abscess
- B. Acute peritonitis (symptoms, diagnosis, treatment)
- B. Perforations (symptoms, diagnosis, treatment)
- B. Acute appendicitis (symptoms, diagnosis, treatment)
- B. Ileus: symptoms, diagnosis, classification, treatment
- B. GI bleeding: upper GI tract
- B. GI bleeding: lower GI tract
- B. Inguinal and femoral hernias (symptoms, diagnosis, treatment)
- B. Umbilical and epigastric hernias (symptoms, diagnosis, treatment)
- B. Postoperative (incisional) and rare hernias (symptoms, diagnosis, treatment)
- B. Complications of the hernias
- B. Benign disease of the breast (symptoms, diagnosis, treatment)
- B. Malignancies of the breast (symptoms, diagnosis, treatment)

TRAUMA SURGERY

- C. Types of open mechanical injuries

- C. Treatment of the open fractures, guidelines, methods
- C. Guidelines of the treatment of fractures
- C. Osteosynthesis, methods
- C. Clinical symptoms of fractures, diagnosis
- C. Classification of skull fractures, and treatment principles
- C. Concussion and contusion of the brain, head contusion and their treatment
- C. Epidural and subdural hematoma
- C. Definition of brain death
- C. Examination of spinal injuries, diagnosis
- C. Surgical indications in the management of spinal injuries
- C. Fixation of vertebral fractures
- C. Classification of the fractures of the vertebral column treatment, prognosis
- C. Treatment and diagnosis of hemo- and pneumothorax
- C. Guidelines for observing patient with blunt abdominal injuries
- C. Types and treatment of the injuries of the shoulder girdle
- C. Therapeutic methods of humeral fractures
- C. Therapy of fractures of olecranon
- C. Treatment of forearm fractures in adults
- C. Typical radial bone fracture principles and methods of its treatment
- C. Perilunate luxation and fracture of the scaphoid bone. Therapy of Bennett's fracture
- C. Types of pelvic fractures.
- C. Types, therapy and probable complications of femoral fractures
- C. Prognosis of intracapsular fractures of the femoral neck
- C. Clinical symptoms of hip fractures
- C. Diaphyseal fractures of the femur
- C. Diagnosis and treatment of patellar fractures
- C. Types and consecutive treatment of ankle fractures
- C. Calcaneal fracture and its therapy
- C. Symptoms and therapy of achilles tendon ruptures
- C. Compartment syndrome of the lower extremity

Recommended books:

Sabiston Essentials of Surgery. Saunders.

Davis-Foster-Gamelli: Essentials of Clinical Surgery. Mosby Year Book

Davis-Christopher (ed.: Sabiston): Textbook of Surgery. The biological basis of modern surgical practice. Saunders Company.

Gaál: Sebészet. Bp. Medicina 2012

Littmann: Sebészeti műtétan. Bp. Medicina

Szécsény-Berentey: Sebészet. Bp. Medicina

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