

SURGICAL PROPEDEUTICS 1 – LECTURES

3th year, 5th term

Friday (Piatok): Large Lecture Hall „B“ Novomeského 7 (8.00 – 9.30 hod.)

1. 22.9.2023:
Patients history. Physical examination of a surgical patient. Invasive and noninvasive diagnostic procedures in management of a surgical patient. Principles of preoperative care. Operative risk.
2. 29.9.2023:
History of surgery. Principles and indications of surgical therapy. Basic surgical techniques and procedures. Asepsis, antisepsis, disinfection. Nosocomial infections. Surgical site infections SSI.
3. 6.10.2023:
Nutritional disturbances in surgical patient. Diagnostics. Guidelines for enteral and parenteral nutrition. Complications.
4. 13.10.2023:
Response to injury and operative trauma. Changes of homeostasis in surgical and traumatic patient. Postoperative care on ICU. Postoperative complications – (hypoxia, bleeding, ileus, CNS, cardiovascular, respiratory, renal, GIT, wound).
5. 20.10.2023: **KDCH**
Peculiarities of physical examination in pediatric patients. Invasive and non-invasive diagnostic methods in the examination of pediatric surgical patients.
6. 27.10.2023:
Shock – definition, classification and pathophysiology. Monitoring. Prevention and treatment of shock. Water and electrolyte dysbalance. Acidobasis dysbalance.
7. 3.11.2023:
Injury of the soft tissues – mechanism of injury, Classification of the wound. Wound healing. Principles of a wound management. Local and systemic wound healing factors. Sutures – stitching material and techniques. Bedsores.
8. 10.11.2023:
Blood transfusion, blood derivatives and their substitutes. Indications, risks and complications. Hemostatic mechanisms.
9. 17.11.2023: **SVIATOK**
Hemostasis disorders in surgical patient. Antiaggregation and anticoagulation treatment. Fibrinolytic treatment.
10. 24.11.2023:
Infections in surgery – sources. Bacteraemia, sepsis, SIRS, multiple organ failure in sepsis. Factors influencing development and promotion of surgical infection. Prevention, diagnosis and treatment of surgical infection. Antibiotics. Principles of prophylactic and therapeutic usage of antibiotics. Bacteriological monitoring.
11. 1.12.2023:
Hand infections. Paronychia and paronychia. Abscesses and phlegmonas of the hand. Pyogenic infections, lymphadenitis, hidrosadenitis, phlegmona, abscess, osteomyelitis. Anaerobic infections, gas gangraena, folliculitis, furunculus, carbunculus, cheilitis.
12. 8.12.2023:
The basics of surgical oncology. Classification of tumours. Benign and malignant tumours, precancerosis. Growth and spreading process of malignant tumours. Diagnosis and treatment. Primary and secondary prevention in surgical oncology.
13. 15.12.2023:
Acute abdomen – definition. Classification. The main diagnostic mistakes, prevention. Principles of acute abdomen examination.
14. 22.12.2023:
Life threatening conditions in surgery. Basics of CPR. Principles of diagnostic and therapeutic management. General anaesthesia. Local anaesthesia.