

SURGICAL PROPEDEUTICS 1 – LECTURES

3th year, 5th term

Friday (Piatok): Educational Center, Malá Hora 4B (8.00 – 9.30 hod.)

1. **18.09.2026**
Anamnesis and physical examination of the surgical patient, Invasive and non-invasive diagnostic methods in the examination of the surgical patient, Surgical risk, Principles of preoperative preparation.
2. **25.09.2026**
Principles of surgical treatment, indications for surgical treatment. Basic surgical procedures (resection, non-resection, ablation, shunting operations, stomas). Types of surgical procedures (urgent, acute, elective).
3. **02.10.2026**
Asepsis, antisepsis, disinfection. Nozocomial infections. Surgical site infections SSI.
4. **09.10.2026**
Enteral and parenteral nutrition. Nutritional disorders in surgical patients. Diagnosis of nutritional disorders - clinical, laboratory. Infusion therapy.
5. **16.10.2026 KDCH**
Peculiarities of physical examination in pediatric patients. Invasive and non-invasive diagnostic methods in the examination of pediatric surgical patients
6. **23.10.2026**
Changes in the homeostasis of the organism after injury and surgery. Perioperative and postoperative care of the surgical patient. The most common postoperative complications (cardiovascular system, respiratory system, renal, digestive system, bleeding, dehiscence of the surgical wound).
7. **30.10.2026 (Rector's day off)**
Shock - definition, classification and pathophysiology of shock. Monitoring. Prevention and treatment of shock. Water and electrolyte imbalance. Acid-base imbalance in the surgical patient.
8. **06.11.2026**
Soft tissue injuries - mechanisms of injury, wound classification, wound healing, healing of individual tissue structures. Principles of wound care. Factors affecting wound healing. Sutures. Pressure ulcers - bedsores (causes, prevention, treatment)
9. **13.11.2026**
Blood transfusion, blood derivatives, replacement solutions. Indications, risks and complications of transfusions and blood derivatives.
10. **20.11.2026**
Hemostasis disorders in surgical patients (congenital, acquired). Preoperative preparation. Antiplatelet, anticoagulant and fibrinolytic therapy.
11. **27.11.2026**
Infections in surgery. Bacteremia, SIRS, sepsis. SOFA score, qSOFA score. Factors influencing the onset and course of infection. Prevention, diagnosis and treatment of surgical infection. Bacteriological monitoring.
12. **04.12.2026**
Inflammatory diseases of fingers and hands. Pyogenic wound infections, lymphangitis, lymphadenitis, hidradenitis, phlegmona, abscess, osteomyelitis, folliculitis, furuncle, carbuncle, cheilitis. Anaerobic infections, tetanus.
13. **11.12.2026**
Basics of oncological surgery. Benign and malignant tumors, precanceroses. Diagnosis and treatment of malignant tumors, . TNM classification of malignant tumors, grading, staging. Primary and secondary prevention of tumors.
14. **18.12.2026**
Life-threatening conditions in surgery. Basics of CPR. Principles of diagnostic and therapeutic procedures. airway management (intubation, coniotomy, tracheostomy)