

CONTENT OF THE SUBJECT

Subject:	Surgery 1		
Study	<i>General medicine</i>	Study Period:	<i>6th term (ST)</i>
programme: Evaluation:	<i>Completed</i>	Subject Type:	<i>Compulsory</i>
Content:	<i>2h. lectures and 2 h. practical exercises / week</i>	<i>Total 56 hours</i>	

Department: **Department of Heart Surgery**

Week	Lectures https://portal.lf.upjs.sk/index-en.php	Practical lessons
1.	Surgical infection I.	Characterisation of surgical infection. Factors promoting rise of general and surgical infections. Clinical course, diagnosis a general principles of surgical infections treatment.
2.	Surgical infection II.	Types of surgical infections – local, systemic, anaerobic, mycotic, specific, parasitis. Nosocomial infections in surgery. Use of antibiotics in prophylaxis and treatment of surgical infections.
3.	Injury, prevention of injuries, occupational and nonoccupational injury (categories of injuries, mass injury, disaster).	Injury, prevention of injuries, occupational and nonoccupational injury (categories of injuries, mass injury, disaster).
4.	Open injuries – types of open injuries. Wounds, types of wounds, healing of wounds. First aid, modalites of the treatment.	Open injuries – types of open injuries. Wounds, types of wounds, healing of wounds. First aid, modalities of the treatment
5.	Closed injuries – types of closed injuries. Fractures and dislocations. First aid. Conservative therapy.	Closed injuries – types of closed injuries. Fractures and dislocations. First aid. Conservative therapy. Healing of fractures, disorders of fracture healing.

6.	Speciality of military injuries and their management.	Specificity of military injuries and their management. Evaluation of X-ray pictures.
7.	Cardiovascular injury.	Demonstration of patients with cardiovascular trauma bleeding “acute limb ischemy”. Diagnostic methods CTAG, DSA.
8.	Shock, pathogenesis of the shock. Manifestations of the shock, laboratory diagnostic methods, clinical symptoms and therapy. Failure of organs.	Shock, pathogenesis of the shock. Manifestations, laboratory examinations, clinical symptoms and therapy.
9.	Thermal and cold injuries.	Thermal and cold injuries. Demonstration of patients with burn injuries, training of primary and secondary treatment of small and extensive burns and cold injuries.
10.	The basic problems and principles of plastic surgery.	The basic problems and principles of plastic surgery. Demonstration of real cases with open burn wound. Patients before, during and after operation, whwrrw panned reconstructive operations.
11.	Basic principles of microsurgery and replantation surgery.	Basic principles of microsurgery and replantation. Terminology, presentation of x-ray scans, eventually patient after replantation.
12.	Basic principles of transplantation surgery.	Basic principles of transplantation surgery. Living and cadaveric donors. Organ and multiorgan harvesting. Liver, heart, kidney transplantation – principles. Presentation of the patient after renal transplantation.

13.	Principles of rehabilitation of surgical patients.	Principles of rehabilitation of surgical patients.
14.	Principles of dietetics in surgical patients in pre- and post-operative period. Parenteral and enteral nutrition in surgical diseases.	Principles of dietetics in surgical patients in pre- and postoperative period. Parenteral nutrition in surgical diseases.