

CONTENT OF THE SUBJECT

Subject:	Surgery - Propedeutics		
Study	<i>General Medicine</i>	Study Period:	<i>5th term (WT)</i>
Evaluation:	<i>Exam</i>	Subject Type:	<i>Compulsory</i>
Content:	<i>2 h. lectures and 2 h. practical exercises / week</i>		<i>Total 56 hours</i>

Department: **Department of Vascular Surgery, UPJŠ FM**

Week	Lectures https://portal.lf.upjs.sk/index-en.php	Practicals
1.	Introduction to Surgery-propedeutic study. History development of surgery.	Explaining of the content of surgery and demonstration of surgical department.
2.	Patient history and symptoms of surgical diseases and its value for establishment of proper diagnosis.	History and symptoms in surgery with focus on patients with acute abdomen and patients after injuries. Documentations of history and symptoms in medical record.
3.	Basic principles of clinical examination.	Clinical examination of patient with surgical disease – aspection, percussion, palpation, auscultation and rectal examination. Explaining of necessity of basic clinical examination in surgery for setting of diagnosis.
4.	Value of paraclinic examinations – lab.tests.X ray, CT, US, MRI, endoscopy and nuclear medicine techniques for approvement of clinical diagnosis in acute and chronic surgical diseases.	Imagine methods - X ray, ultrasound, CT, and MRI in surgery. Laboratory, endoscopic, scintigraphic and other methods in surgery. Evaluation of these examinations.
5.	Principles of antisepsis and sepsis. Desinfection and sterilisation in surgical ward and in all health care facilities.	Principles of asepsis and antisepsis at surgical departments and operating theatres. Principles disinfection and sterilisation. Visit of central sterilisation unit.

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6.	Preoperative management of the patient	Preparation to surgery, general and special. Demonstration of preoperative preparation. Preoperative internal examination. Patients with cardiovascular, respiratory, metabolic, hepatal, renal, neurologic, hematologic and immunologic diseases before surgery. Prepare of such patients to operation. Prevention of trombembolism.
7.	Indications and contraindications for the operation. Basic operative procedures – terminology, classification, description.	Indications and contraindications in surgery. Evaluation of preoperative examinations.
8.	Shock in surgery. Basis methods of anasthesia. Types of anaesthesia (anaesthesia, premedication, general anaesthesia, endotracheal anaesthesia).	Shock in surgery, demonstration of patient in shock. Anaesthesia and analgesia in surgery. Local anaesthetics and premedication in surgery.
9.	Postoperative care. General principles of postoperative care.	Postoperative care. Demonstration of patient after surgery. Wound care, surgical drains. Intensive care unit. Analgetic medication after surgery. Sleeping after operation.
10.	Operative wounds, types of wounds, healing of wounds.	Surgical wound, wound healing and wound care. Complications of wound healing. Primary and secondary wound healing. Wound bleeding and infections. Cardiac, respiratory GIT and urinary complications after surgery.
11.	Tromboembolism in surgery. Thrombophlebitis, phlebotrombosis, pulmonary embolism, air and fat embolism.	Trombemolism in surgery. Demonstration of superficial and deep venous thrombosis. Diagnosis, treatment and prevention.

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12.	Bleeding in surgery.	Bleeding in surgery, first aid and definitive treatment by bleeding.
13	Non- surgical diseases – cardiovascular, respiratory, metabolic, hepatocellular, renal, endocrine, neurologic, haematological, immunological in correlation to surgical procedure.	Non surgical diseases and pregnancy and their relationship to surgery. Influence of non surgical diseases and pregnancy on preoperative management and postoperative care in surgery.
14.	Blood derivatives and transfusions for urgent and elective surgery.	Transfusion of blood and blood derivatives in acute and elective surgery.