

Information sheet for the course Nursing in Surgery I.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>OseChir1/d</i>	Course unit title: <i>Nursing in Surgery I.</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods <i>Lecture: 2 hours weekly / 26 hours per semester of study; full-time</i>	
Number of credits: 2	
Recommended semester / trimester: <i>3rd semester in the 2nd year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>The student will acquire 50 points per semester (final test)</i> <i>Evaluation:</i> <i>50 – 47 points: grade A</i> <i>46 – 43 points: grade B</i> <i>42 – 39 points: grade C</i> <i>38 – 35 points: grade D</i> <i>34 – 30 points: grade E</i> <i>29 – 0 points: grade FX</i>	
Learning outcomes of the course unit: Upon completion of the course, the student will obtain knowledge of the history of surgery, the principles of asepsis and antisepsis in surgery, infusion and transfusion therapy, preoperative preparation of the surgical patient. He will know symptomatology, diagnosis and treatment in selected surgical diseases.	
Course contents: 1. <i>History of Surgery. Ethics in surgery.</i> 2. <i>Asepsis and antisepsis - aseptic surgery, sterilization, disinfection. Infections in Surgery - various surgical infections, nosocomial infection, principles of treatment of surgical infections.</i> 3. <i>The internal environment of the body. The reaction of the organism to the stress. Shock - shock distribution, pathophysiological changes, changes in metabolism, symptoms and treatment of shock.</i> 4. <i>Transfusion - blood groups, transfusion products and blood derivatives, preservatives solutions, indications transfusion, transfusion equipment, after-transfusion complications, blood donation. Anaesthesia in surgery - history, clarifying terms, total and local anaesthesia, patient monitoring during anaesthesia, anesthesiological complications.</i> 5. <i>Preparing the patient for surgery - estimation of operational risk, the general preoperative preparation, special procedures in preoperative preparation. Postoperative complications . Diabetes mellitus in Surgery - Preparation of diabetic patients for surgery.</i> 6. <i>The infusion therapy in surgery - means infusion therapy, technology infusion, infusion</i>	

therapy indications, complications of infusion therapy. Enteral and parenteral nutrition in surgery grade nutritional status.

7. *Principles of Surgical Oncology - benign and malignant tumours, Cancer Epidemiology, principles of treatment.*
8. *Diseases of the oesophagus - atresia, diverticula, achalasia, gastroesophageal reflux disease, varicose veins, cancer, oesophageal injury. Surgical treatment of gastric ulcer, congenital diseases, injuries, gastritis, peptic ulcer, tumours.*
9. *Emergency abdominal situations - inflammatory acute abdomen, bowel obstruction (ileus), severe bleeding from the digestive tract.*
10. *Disorders of the small and large intestine - inflammatory, diverticular disease, cancers, other diseases of the anus and rectum. Hernia*
11. *Surgical diseases of the liver - cysts, abscesses, benign, malignant and portal hypertension. Cholelithiasis. Surgical diseases of the pancreas - annular pancreas, injuries, acute and chronic pancreatitis, pancreatic tumours, and pseudocysts.*
12. *Vascular diseases - diseases of the arteries and veins. Surgery endocrine glands - diseases of the thyroid, parathyroid, endocrine pancreas, adrenal.*
13. *Principles of Trauma Surgery - first aid at accidents, open injuries, principles of treatment of wounds, wound healing, closed injuries, broken bones, polytraumatism.*

Recommended reading

1. *BOBER, J. a kol.: Chirurgia I. Základy všeobecnej chirurgie pre štúdium ošetrovateľstva. Košice: Aprilla s. r.o., 2007. 110 s. ISBN 80-969499-5-3.*
2. *BOBER, J. a kol.: Chirurgia II. Základy všeobecnej chirurgie pre štúdium ošetrovateľstva. Košice: Aprilla s. r.o., 2007. 203 s. ISBN 80-969499-5-3.*
3. *HARUŠTIK, S. a kol.: Princípy chirurgie – 2. diel. Bratislava: Slovak Academic Press, 2010. 848 s. ISBN 978-80-8095-053-8.*
4. *HOCH, J. - LEFFLER, J. a kol.: Speciální chirurgie. Praha: Maxdorf, 2011. 590 s. ISBN 978-80-7345-253-7.*
5. *KYSLAN, K. a kol.: Chirurgia I. Vybrané kapitoly pre štúdium ošetrovateľstva. Martin: Osveta, 2010. 158 s. ISBN 978-80-8063-312-7.*
6. *NICHOLLS, A. - WILSON, I.: Perioperační medicína. Praha: Galén, 2006. s. ISBN 80-7262-320-6.*
7. *SIMAN, J. a kol.: Princípy chirurgie – 1. diel. Bratislava: Slovak Academic Press, 2007. 923 s. ISBN 80-89104-94-0.*
8. *SLEZÁKOVÁ, L. a kol. : Ošetrovateľství v chirurgii I. Praha: Grada Publishing, a.s., 2010. 264 s. ISBN 978-80-247-3129-2.*
9. *SLEZÁKOVÁ, L. a kol. : Ošetrovateľství v chirurgii II. Praha: Grada Publishing, a.s., 2010. 300 s. ISBN 978-80-247-3130-8.*
10. *ZEMAN, M. - KRŠKA, et al.: Chirurgická propedeutika. Praha: Grada Publishing, a.s., 2011. 512 s. ISBN 80-7169-705-2.*
11. *ZEMAN, M. et al.: Speciální chirurgie. Praha: Galén, 2006. 575 s. ISBN 80-7262-260-9.*

Language: Slovak

Remarks:

Evaluation history: Number of evaluated students: 436

A	B	C	D	E	FX
8	25	74	129	148	52
2%	6%	17%	29%	34%	12%

Lectures:

prof. MUDr. Jindřich Vomela, CSc., LL.M., MUDr. Oto Smatana

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Supervisor: : *doc. PhDr. Dagmar Mastiliaková, PhD.*