

Information sheet for the course
Examination methods in clinical cytology

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>VMKC/e</i>	Course unit title: <i>Examination methods in clinical cytology</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Seminar: 2 hours weekly/26hours per semester of study; (full-time)</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>6th semester in the 3rd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>Written or oral exam (50 points)</i> - <i>To obtain user A is necessary at least 45 points, to obtain user B at least 40 points, to obtain user C at least 35 points, to obtain user D at least 30 points D and to obtain user E at least 25 points.</i>	
Learning outcomes of the course unit: <i>The student will acquire knowledge and practically controls material processing for histological examination, histological staining , types of dyes, can identify different types of tissues, collagen, elastic and reticular fibers. Can handle basic and special methods in histological and cytological practice.</i>	
Course contents: <ol style="list-style-type: none"> 1. <i>Preparation and processing of the material for histological examination . Fixation</i> 2. <i>Histological staining, kinds of dyes , basic staining .</i> 3. <i>Immunohistochemistry</i> 4. <i>Types of tissues, representation of collagen , elastic and reticular fibers .</i> 5. <i>Cardiovascular System .</i> 6. <i>Lymphatic organs.</i> 7. <i>Endocrine glands , histochemical enzyme evidence DPP - IV .</i> 8. <i>Gastrointestinal tract - Part 1 - immunohistochemical evidence of Helicobacter pylori</i> 9. <i>Gastrointestinal tract - Part 2 - histochemical enzymes evidence GIT .</i> 10. <i>Urinary system .</i> 11. <i>The male reproductive system .</i> 12. <i>The female reproductive system . Gynecological cytology .</i> 13. <i>Skin, pigments .</i> 	
Recommended of required reading: <ol style="list-style-type: none"> 1. <i>VACEK Z., Histológia a histologická technika. Brno. NCONZO, 1995. 184 s. ISBN 978-80-7013-202-9.</i> 2. <i>LOJDA, Z. A KOL. Základy histochemického průkazu enzymů . Brno: Ústav pro další vzdělávání zdravotnických pracovníků. 1980.</i> 3. <i>LÜLLMANN-RAUCH R. Histologie. Překlad 3. vydání. Grada, Praha, 2012.</i> 4. <i>GOMOLČÁK, P. Základy imunohistochemie v patologii. – Brno: Institut pro další vzdělávání pracovníků ve zdravotnictví v Brně. 1997. ISBN 80-7013-239-6.</i> 5. <i>NYKLÍČEK, O. - J. SLOBODA, J. Cytodiagnostika pro SZP. 1990. 223s.</i> 6. <i>KONRÁDOVÁ V., UHLÍK J., VAJNER L.: Funkční histologie. H+H Jinočany 1998.</i> 	

7. LICHNOVSKÝ V. ET AL. *Základy histologie pro bakaláře*. LF UP Olomouc, 1997.
8. BERKOVITZ, B.K.B. – HOLLAND, G.R.: *Colour Atlas and Textbook of Oral Anatomy, Histology and Embryology 3rd Edition*, Elsevier Science 2005
9. JIRKOVSKÁ M., JIRSOVÁ Z., MARTÍNEK J.: *Testové otázky z histologie a embryologie*. Univerzita Karlova, Praha, (1997).

Language: *Slovak*

Remarks:

Evaluation history: *Number of evaluated students:*

A	B	C	D	E	FX

Lectures: *doc. MUDr. Ján Bielik, CSc.*

Last modification: 22.04.2014

Supervisor: *doc. MUDr. Mária Štefkovičová, PhD., MPH.*