

Information sheet for the course Clinical Propedeutics for Laboratory Medicine

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>KLPP LVMZ/e</i>	Course unit title: <i>Clinical Propedeutics for Laboratory Medicine</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: <i>3</i>	
Recommended semester: <i>3rd semester in the 2nd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>Written test: 50 points maximum</i> <i>Score:</i> <i>50 – 45 points – A</i> <i>44 – 40 points – B</i> <i>39 – 35 points – C</i> <i>34 – 30 points – D</i> <i>29 – 25 points – E</i> <i>Less than 25 points – FX</i>	
Learning outcomes of the course unit: <i>Students will acquire knowledges focused on this subject. Education is divided into two parts: The first part contains the clinical chapters, the second part contains laboratory ones.</i>	
Course contents: <i>Lectures – clinical part:</i> <ol style="list-style-type: none"><i>1. Approach to the patient, definition of the disease.</i><i>2. Medical interview</i><i>3. Basic physical methods of examinations</i><i>4. General examination.</i><i>5. Temperature, pulse, blood pressure, height, weight, breathing, nutritional status, stature</i><i>6. Examination of the kidney, lab and imaging methods.</i> <i>Lectures – laboratory part:</i> <ol style="list-style-type: none"><i>1. Pretest analysis phase</i><i>2. Preanalytic phase</i><i>3. Preparation of the patient, patient education about lab exam</i><i>4. Analytic test phase</i><i>5. Reference ranges</i><i>6. Posttest analytic phase</i><i>7. Blood, plasma, serum</i><i>8. Enzymes related to organs</i><i>9. Interference</i><i>10. Sex differences in lab results</i><i>11. Lab changes in pregnancy</i><i>12. Lab changes depending on the position of the body</i>	

13. *Impact of smoking, drug abuse and alcohol consumption on lab results*
14. *Diurnal variations*
15. *Set of examinations. Activity of inflammation. Diabetic set. Lipids set.*
16. *Urolithiasis. Oncological set. Nutritional status. Liver set. Cardiological set.*
17. *Inherited metabolic disorders. Renal set. Thyroid set. Immunological set.*
18. *Gastroenterological set. Pancreatic set. Autoimmune diseases. Adrenal set.*
19. *Hematological set. Osteoporosis.*
20. *Liquorology. Ethics in health service. Hippocratic Oath.*

Recommended of required reading:

1. KAŠČÁK, M. *Klinická propedeutika*. Martin : Osveta, 2005. 90 s.
2. RACEK, J. ET AL. *Klinická biochemie*. Praha: Galen, Karolinum, 1999. 317 s.
3. DZÚRIK, R. A KOL. *Štandardná klinickobiochemická diagnostika*. Martin : Osveta, 1990. 448 s.
4. MEŠKO, D. A KOL. *Vademékum klinickej biochémie*. Martin : Osveta, 1998. 1646 s.
5. Ďuriš, I. et al . *Princípy internej medicíny 1-3*. Bratislava: Slovak Academic Press, 2001. 2951 s. .
6. *Predanalytická fáza laboratórnej diagnostiky*. www.medirexgroup.sk , 2012
7. DOBIAŠ, V. *Klinická propedeutika v urgentní medicíně*. Praha: Grada Publishing, 2013s. 208 s.
8. BARCLAY, L. *WHR vs BMI May Be a Better Predictor of All-Cause Mortality in Older Adults*. *Ann Epidemiol.* 2009;19:724-731.
9. M O'RIORDAN. *New Join Statement Streamlines Definition of Metabolic Syndrome*. <http://cme.medscape.com/viewarticle/710337> (October 12, 2009).

Language: *Slovak*

Remarks: *none*

Evaluation history: *Number of evaluated students: 99*

A	B	C	D	E	FX
8.08 %	25.25 %	26.26 %	29.29 %	9.09 %	21.02 %

Lecturer: *MUDr. Marián Kaščák, PhD.*

Last modification: *22.4.2014*

Supervisor: *doc. MUDr. Jana Slobodníková, CSc.*