

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>KLPpLVMZ/d</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 (full-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> 50 – 45 points – A 44 – 40 points – B 39 – 35 points – C 34 – 30 points – D 29 – 25 points – E Less than 25 points – FX	
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"> 1. <i>Approach to the patient, definition of the disease.</i> 2. <i>Medical interview</i> 3. <i>Basic physical methods of examinations</i> 4. <i>General examination.</i> 5. <i>Temperature, pulse, blood pressure, height, weight, breathing, nutritional status, stature</i> 6. <i>Examination of the kidney, lab and imaging methods.</i> <i>Lectures – laboratory part:</i> <ol style="list-style-type: none"> 1. <i>Pretest analysis phase</i> 2. <i>Preanalytic phase</i> 3. <i>Preparation of the patient, patient education about lab exam</i> 4. <i>Analytic test phase</i> 5. <i>Reference ranges</i> 6. <i>Posttest analytic phase</i> 7. <i>Blood, plasma, serum</i> 8. <i>Enzymes related to organs</i> 9. <i>Interference</i> 10. <i>Sex differences in lab results</i> 11. <i>Lab changes in pregnancy</i> 12. <i>Lab changes depending on the position of the body</i> 13. <i>Impact of smoking, drug abuse and alcohol consumption on lab results</i> 	

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.

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Supervisor: doc. MUDr. Jana Slobodníková, CSc.