

**Subject: Pathological Physiology 2**  
**Study programme: General Medicine**  
**Category of subject: Compulsory**

**Form of study: Lectures/seminars 3/3**  
**Study form: Full-time study**  
**Prerequisites: Pathological Physiology 1, Medical Biochemistry 1**

**Semester: 6<sup>th</sup>**  
**Completion of the course: Exam**  
**Credits: 6**

**Department of Pathological Physiology, Faculty of Medicine, Pavol Jozef Šafárik University, Košice**  
**Schedule of the lectures and tutorials from Pathological Physiology 2 for General Medicine; Summer semester 2020/2021**

W	Lecture (Thursday 8 <sup>00-9<sup>30</sup></sup> 9 <sup>45-10<sup>30</sup></sup> P3)		Lecturer	Practical lessons		Credit tests (other duties)
	Date	Topic		Date	Topic (T - tutorials, S – seminars)	
1.	18.2.	CVS I. Dysrhythmias – pathogenesis; genet. CVS II. Cardiomyopathy, Heart failure	Beňačka	15.2.- 19.2.	T: Intro cardiovasc. syst., Coronary heart disease, S: <i>Ischem. vascul. dis.; Atherosclerosis</i>	Seminar works (consultations)
2.	25.2.	CVS III. Hypertension systemic pulmonary CVS IV. Ischaemic heart disease, Infarction	Beňačka	22.2.- 26.2.	T: Cardiomyopathies; <i>Hypotension/ hypertension</i> ; S: <i>Dysrhythmias; Basic ECG pat.</i>	<b>Seminar works deadline</b>
3.	4.3.	CVS V. Congen. & acquired valvular disorders HS I. Haemorrhagic diathesis; thrombophilia	Ráčz	1.3.- 5.3.	T: Cardiovascular dis., Haematol. data S: <i>Anaemic syndrome, Leukemias;</i>	Presentations of seminar works/Quiz
4.	11.3.	RS I. Obstructive & restrict. disorders RS II. Respiratory failure	Beňačka	8.3.- 12.3.	T: Haematology, Coagulation disorders, Respiriology S: <i>Disorders of ventilation, diffusion &amp; perfusion</i>	<b>Practical protocol 1</b> Cardio-respir. eval..
5.	18.3.	NF I. Glomerular & tubulointerst disorders NF II. Kidney failure – acute, chronic (uremia)	Beňačka	15.3.- 19.3.	T: Reserved topics S: <b>Review</b> – <i>Cardiovasc., respir., renal dis.</i>	<b>Credit test 1</b>
6.	25.3.	NS I. Motor disorders; weakness, palsy NS II. Somatosensory disorders	Beňačka	22.3.- 26.3.	T: Kidney stones; Tubulointerst. dis., Pyelonephritis, S: <i>Spinal cord sy.; Motor. dis, Sens. dis., Pain</i>	Presentations of seminar works/Quiz
7.	1.4	NS III. Vegetative nervous disorders NS IV. Neurodegenerative disorders	Beňačka	29.3.- 1.4	T: Neuropathies, Myopathies, etc. S: <i>Demyelination dis.; Alzheimer &amp; Parkinson dis.</i>	Presentations of seminar works/Quiz
8.	8.4.	NS V. Higher NS disorders; Dementia ES I. Hypothalamic- hypoph. disorders I	Beňačka	6.4.- 9.4	T: Cerebrovascular disease; Intracerebr. haemorrh. S: <i>Sensory dis.; deafness, blindness Epilepsy</i>	<b>Practical protocol 2</b> Audiogenic epilepsy
9.	15.4.	ES II. Hypophyseal disorders II; GH- dis., SIADH, DI, Prolactin	Beňačka	12.4.- 16.4	T: Reserved topics S: <b>Review</b> – <i>Nervous dis.</i>	<b>Credit test 2</b>
10.	22.4	ES III. Supraren disorders ES IV. Thyroid disorders	Beňačka	19.4.- 23.4	T: Endocrinol. disorders; Gonadal dysf. S: <i>Parathyroid. syst.; Calcium metabolism</i>	Presentations of seminar works/Quiz
11.	29.4.	DM I. Diabetes mellitus - etiopathogenesis DM II. DM – manifestation, Insulin resistance	Ráčz	26.4.- 30.4	T: DM pathophysiology; Metabolic sy. S: <i>Acute &amp; chronic complications of diabetes</i>	Presentations of seminar works/Quiz
12.	6.5.	GIT I. Peptic ulcer dis.; Bowel disorders	Beňačka	3.5.- 7.5	T: Esoph. dis.; GIT sympt. maldig., malabsorption S: <i>Celiac disease; Jaundice</i>	<b>Practical protocol 3</b> Experim. gastric ulcer
13.	13.5.	GIT II. Liver failure; Pancreatic diseases	Beňačka	10.5.- 14.5	T: Reserved topics S: <b>Review</b> – <i>Liver disorders &amp; pancreatic dis.</i>	<b>Credit test 3</b>
14.	20.5.	CT. Osteoporosis, osteomalatia Degen. disorders of joints; reumatism	Lovásová	17.5.- 21.5	<i>Final evaluation. Exams. Credits</i>	---

**Seminars (S)** = special topics for discussion; **Tutorials & homeworks & exams (T)** = consultations, oral and quiz exams on the topics from the lectures and seminars. Students have to prepare for tutorials and seminars on the regular basis by home study. Doc. MUDr. Roman Beňačka, CSc., mim.prof.