

CONTENT OF THE SUBJECT

<b>Subject:</b>	<b>Pathological Physiology 2</b>		
<b>Study</b>	<i>General Medicine</i>	<b>Study Period:</b>	<i>Summer semester</i>
<b>Evaluation:</b>	<i>Graduated (exam)</i>	<b>Subject Type:</b>	<i>Compulsory</i>
<b>Content:</b>	<i>3 h. lectures and 3 h. practical exercises / week</i>		<i>Total 84 hours</i>

**Department of Pathological Physiology, UPJŠ FM**

<b>Week</b>	<b>Lectures</b> <a href="https://portal.lf.upjs.sk/index-en.php">https://portal.lf.upjs.sk/index-en.php</a>	<b>Seminars</b>
1.	<b>CVS I.</b> Congenital heart diseases Congenital and acquired valve defects Heart failure	<b>CVS I.</b> Electrical activity of the heart – action potential, conduction system of the heart Introduction to ECG diagnostics
2.	<b>CVS II.</b> Atherosclerosis Coronary heart diseases – acute and chronic Cardiomyopathy	<b>CVS II.</b> Myocardial infarction, angina pectoris ECG diagnostics of the myocardial infarction
3.	<b>CVS III.</b> Dysrhythmias – etiology, mechanisms, classification Systemic hypertension	<b>CVS III.</b> Dysrhythmias – classification ECG diagnostics
4.	<b>RS I.</b> Pathophysiology of the main clinical manifestations of respiratory diseases Pulmonary hypertension, Pulmonary embolism Respiratory failure	<b>CVS IV.</b> Hypotension, collapse, syncope <b>RS I.</b> Disorders of ventilation Sleep apnea Ventilometric parameters - spirometry
5.	<b>RS II.</b> Obstructive and restrictive lung diseases Pulmonary edema	<b>RS II.</b> Manifestation of heart and pulmonary disorders <b>Protocol 3</b> Heart and lung murmurs
6.	<b>NS I.</b> Motor disorders	<b>NS I.</b> Spinal cord disorders
7.	<b>Credit test 3</b>	<b>Credit test 3</b> <b>NS II.</b> Multiple sclerosis
8.	<b>NS II.</b> Somatosensory disorders, Autonomic nervous system	<b>NS II.</b> Neuromuscular diseases Epilepsy <b>Protocol 4</b> Audiogenic epilepsy
9.	<b>NS III.</b> Neurodegenerative disorders Dementia Cerebrovascular diseases	<b>ENDO I.</b> Thyroid disorders
10.	<b>ENDO I.</b> Mechanisms of hormonal regulation disorders Hypothalamic-pituitary diseases Adrenal diseases	<b>ENDO II.</b> Parathyroid diseases Gonadal disorders

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<b>11.</b>	<b>ENDO II.</b> Diabetes mellitus; Complications of DM	<b>GIT I.</b> Pathophysiology of the oral cavity, esophagus
<b>12.</b>	<b>GIT.</b> Pathophysiol. of the main clinical manifestations of GIT diseases Diseases of the stomach, small and large intestines	<b>GIT II.</b> Pathophysiology of the liver and gallbladder, pancreatitis
<b>13</b>	<b><i>Credit test 4</i></b>	<b><i>Credit test 4</i></b> Pathophysiology of the senses – vision, hearing
<b>14.</b>	<b>CT.</b> Pathophysiology of the bones and joints	Evaluation of semester, credits