

CONTENT OF THE SUBJECT

Subject:	Pathological Physiology 1		
Study	<i>General Medicine</i>	Study Period:	<i>Winter semester</i>
Evaluation:	<i>Graduated (credit)</i>	Subject Type:	<i>Compulsory</i>
Content:	<i>2 h. lectures and 3 h. practical exercises / week</i>		<i>Total 70 hours</i>

Department of Pathological Physiology, UPJŠ FM

Week	Lectures https://portal.lf.upjs.sk/index-en.php	Seminars
1.	Etiology I. Introduction to Pathological Physiology Cellular pathophysiology	Introduction to Pathophysiology , Instructions General nosology General etiology
2.	Etiology II. Genetic diseases Non-mendelian heredity, Epigenetics	Genetics. Monogenic diseases Chromosomal diseases Polygenic diseases
3.	Etiology III. Disorders of nutrition Obesity, Metabolic syndrome	Nutrition. Undernutrition, Eating disorders, Vitamins, Trace elements
4.	Etiology IV. Disorders of internal homeostasis Fluid, Electrolyte, Acid-base homeostasis	Disorders of homeostasis. Acid-base disorders, compensation, Edemas Protocol 1 Acid-base disorders
5.	Pathogenesis I. Typical pathological processes Acute and chronic inflammation	Typical pathological processes I. Fever
6.	Pathogenesis II. Carcinogenesis	Typical pathological processes II. Hypoxia Shock
7.	Credit test 1	Credit test 1 Semester work instructions
8.	Pathogenesis III. Immunology Hypersensitivity, Autoimmunity, Immunodeficiency	Typical pathological processes III. Pain
9.	Pathogenesis IV. Disorders of consciousness Quantitative and qualitative disorders Terminal states	Stress. Neurohumoral regulation, adaptation Stress diseases
10.	Hematology I. Pathophysiology of leukocytes Leukemias Nonmalignant disorders of leukocytes	Hematology I. Basic manifestations of hematologic disorders Hematological parameters
11.	Hematology II. Pathophysiology of hemostasis Disorders of thrombocytes and hemocoagulation	Hematology II. Anemia Protocol 2 Anemia
12.	Renal and urinary tract. Glomerulonephritis Tubular disorders Acute kidney injury, Chronic kidney disease	Renal and urinary tract. Basic manifestations of kidney disorders Nephrolithiasis

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13	Credit test 2	Credit test 2 Ageing
14.	Reserved topic	Evaluation of semester, credits