

Subject: Pathological physiology 2	Subject type:	Compulsory /---
Study year: 3rd	Content:	2/2 summer time
Study program: Dental Medicine		

Aim of the course

Since its beginning Department of Pathophysiology provided organizational support and content of pre-graduate subject **Pathological Physiology** for General Medicine and Dentistry. Within the European tradition Pathophysiology is the essential part of pre-clinical medical education, providing a systematic review of the scientific basis for the emergence and development of the disease, symptoms (Nosology), contemporary overview of the causes and risk factors (etiology) of human diseases, mechanisms of progression and development of the clinical expressions (pathogenesis), including molecular and cellular processes and changes during different pathophysiological processes and diseases.

Subject is placed to the 3rd year of study and has prerequisite condition (Pathological Physiology 1). It is important part of knowledge of future physician, because it connects pre-clinical and clinical subjects and it gives important informations for understanding of internal medicine and other clinical disciplines.

Education: lectures/seminars 2/2

Assessment: exam (written and oral part)

Syllabus

Week 1

CVS I. Dysrhythmias – pathogenesis

CVS II. Heart failure, cardiomyopathies

Week 2

CVS III. Atherosclerosis; Ischemic heart dis.

CVS IV. Hypertension

Week 3

HS I. Hemorrhagic diathesis and thrombophilia

Week 4

RS I. Respiratory pathophysiology. Overview

RS II. Obstructive & restrictive disorders

Week 5

NF I. Glomerulopathies

NF II. Acute & chronic kidney failure

Week 6

NS I. Motor disorders; facial palsy

Week 7

NS II. Sensory disorders; Pain

Week 8

NS III. Vegetative disorders

Week 9

NS IV. Neurodegenerative disorders

NS V. Cerebrovascular diseases – stroke

Week 10

ES I. Hypoth.-hypophys.dis. GH- dis., SIADH, DI

ES II. Supraren; thyroid & parathyroid gl. dis.

Week 11

DM I. Diabetes mellitus

DM II. Complications of DM

Week 12

GIT I. Gastric disorders., Bowel disorders.

Week 13

GIT II. Liver failure,Jaundice, Portal hyperten.

Week 14

CT. Osteoporosis, osteomalatia in dentistry. Deg. disorders of joints, reumat. Arthritis