Study program: Integrated academic studies in medicine

Type and level of the study program: integrated academic studies

Course title: Pathology (M3-PAT)

Teacher: Milana D. Panjković, Nada M. Vučković, Dejan Č. Vučković, Zoran R. Nikin

Course status: compulsory

ECTS Credits: 18

Condition: Physiology

Course aim

The aim of the course is to inform the student about the mechanisms of cell damage, damage of tissues and organs and about morphological changes underlying the disease. Our goal is to train students to identify morphological changes in cells, tissues and organs through lectures and seminars. Students will obtain necessary skills through individual practical work, performing microscopy and histological analysis, macroscopic diagnostics using biopsy-, surgical or autopsy specimens or museum prosections .

Expected outcome of the course:

Practical sessions are adapted to the basic aims of the subject and deal with developed educational entities in order to form general practitioner

Course description

Theoretical education

Within the scope of general pathology students will learn about the etiology and macroscopic and microscopic structural changes of basic pathological processes, such as reversible and irreversible cell damage, impairment of water-, fat- and protein metabolism, blood and lymph circulation changes, inflammation, neoplasms. Through special pathology all those topics are described in the light of specific organ system.

Practical education: exercises, other forms of education, research related activities

Getting acquainted with interpretation of histopathological preparation will enable student to: 1. Identify changes that diverge normal cell and tissues, i.e. to distinguish normal tissues and organs from that manifesting pathological processes and states using light microscopy 2. describe normal tissue and organ composition, 3. describe morphological substrates of the disease, 4. to diagnose the disease and to note it in Latin, 5. to suggest the differential diagnosis

Student will be able to macroscopically describe the organs and pathological changes in the body by identifying and describing the organ and the change, establishing diagnosis or differential diagno

Literature

Compulsory

1. Kumar V, Abbas AK, Aster JC. Robbins & Cotran Pathologic Basis of Disease, 9th Edition. Elsevier 2015.
1. Eri Ž. Histological exercises on CD. Faculty of medicine Novi Sad, 2012.
2. Panjković M. A practical handbook of macroscopic examination in pathology, 2017.

Additional

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Number of active classes				Other:
Lectures:	Practice:	Other types of teaching:	Research related activities:	-
120	120	autopsies	-	

Teaching methods: Lectures, interactive lectures, microscopic and macroscopic examinations and autopsies

Student activity assessment (maximally 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Lectures	2	Written	
Practices	5	Oral exam	70
Colloquium	20	.....	
Essay	3		