
Course title:PATHOLOGY 1/2

ECTS credit allocation (and other scores):6

Semester: spring

Level of study:ISCED-7 - second-cycle programmes (EQF-7)

Branch of science:Medical and health sciences

Language: English

Number of hours per semester: 80

Course coordinator/ Department and e-mail: Karolina Hejne MD, Department of Pathomorphology karolina.hejne@uwm.edu.pl

Type of classes:classes and lectures

Substantive content

CLASSES: 1. Introduction to pathology. 2. Cell injury, cell death and adaptations. Amyloidosis. 3. Hemodynamic disorders, thromboembolism and shock. 4. Inflammation and repair. General pathology of infectious diseases. COLLOQUIUM I /classes 1-4/ 5. Neoplasia. Part 1 Nomenclature, Characteristics of benign and malignant neoplasms. Epidemiology. Cancerogenesis. Hallmarks of cancer. Clinical aspects of neoplasia. Intraepithelial lesions, Carcinoma in situ, paraneoplastic syndromes. 6. Neoplasia. Part 2 (carcinogenic agents) Environmental and nutritional diseases. 7. Pediatric diseases. 8. Blood vessels and heart pathology. COLLOQUIUM II /classes 5-8/ 9. Lung and Pleura pathology. 10. Head and Neck pathology (oral cavity, larynx, pharynx, salivary glands). 11. Gastrointestinal tract pathology (esophagus, stomach, small and large intestines). COLLOQUIUM III /classes 9-11/ FINAL RETAKE COLLOQUIUM: SEMINAR: 1. Introduction to pathology. Cell injury, cell death and adaptations. 2. Hemodynamic disorders, thromboembolism and shock. 3. Inflammation and repair. General pathology of infectious diseases. 4. Neoplasia. 5. Pediatric diseases. 6. Blood vessels and heart pathology. 7. General pathology- review.

LECTURES: 1. Introduction to pathology. Principles of cooperation between pathologists and clinicians. 2. Degenerative and proliferative changes. 3. Hemodynamic disorders. 4. Inflammation and repair including mycobacterioses. 5. Neoplasia.

Learning purpose: General Pathology and Systemic Pathology: study and understanding of the basis of the disorders treated in hospitals and outpatient clinics. Interpretation of cytologic and histopathologic examinations records. Mastering of attitudes and behaviours in accordance with medical ethics.

On completion of the studyprogramme the graduate will gain:

PATHOLOGY ½

Knowledge: W1 - C.W27. basic mechanisms of cell and tissue injury;W2 - C.W28. clinical course of specific and non-specific inflammation and regeneration processes of tissues and organs;W3 - C.W26. pathomorphological nomenclature;W4 - C.W29. definition and pathophysiology of shock, with particular emphasis on the differentiation of causes of shock and multiorgan failure;W5 - C.W30 etiology of hemodynamic disorders, regressive and progressive changes;W6 - C.W.31. issues in the field of systemicsurgical pathology, macro- and microscopic images and the clinical course of pathomorphological changes in particular organs;

Skills: U1 - C.U11. relate the images of tissue and organ damage with clinical manifestations of the disease, medical history and laboratory test results;U2 - C.U12. to analyze reactive, defensive and adaptive changes and regulation disorders caused by an etiological factor;



Social Competencies: K1 - K.2. guiding the patient's well-being; K2 - K.3. compliance with medical confidentiality and patient's rights; K3 - K.4. taking actions towards the patient based on ethical principles, with awareness of social conditions and restrictions resulting from the disease; K4 - K.5 perceiving and recognizing one's own limitations and self-assessing deficits and educational needs; K5 - K.7. using objective sources of information; K6 - K.9. implementing the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment;

Basic literature: Vinay Kumar, Abul K. Abbas, Jon C. Aster, Robbins Basic Pathology, wyd. Elsevier, 2017, t. tenth edit

Supplementary literature: Brierley J, Gospodarowicz M, Wittekind Ch, 8th Edition of the UICC TNM classification of Malignant Tumors, wyd. Wiley, 2017

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 82 h.

Student's independent work: 68 h.