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Syllabus for academic year: 2021/2022 Training cycle: 2019/2020-2023/2024														
Description of the course														
Course	Pathomorphology										Group of detailed education results			
											Group code C	Group name PRECLINICAL SCIENCES		
Faculty	Dentistry													
Major	Dentistry													
Level of studies	X uniform magister studies													
Form of studies	X full-time													
Year of studies	III										Semester:	X winter		
Type of course	X obligatory													
Language of study	X English													
Number of hours														
Form of education														
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)	
Winter semester:														
Department of Clinical Pathology														
Direct (contact) education				45										
Distance learning	15													
Educational objectives														
C1. 1. To familiarize students with the range of issues dealt with in modern/contemporary pathology.														
C2. Understanding the mechanisms of developing of basic disease entities.														
C3. The ability to associate the clinical symptoms and conditions with the macro- and microscopic changes and features in cells, tissues and organs.														
C4. Knowledge of the principles of autopsy and sectional/dissection techniques.														
C5. The ability to interpret data from various sources, including pathology, for more effective diagnosis of diseases.														
C6. Study and understanding of the basis of the disorders treated in hospitals and outpatients clinics.														
Education result for course in relation to verification methods of the intended education result and the type of class:														
Number of detailed education result	Student who completes the course knows/is able to							Methods of verification of intended education results	Form of didactic class *enter the abbreviation					
C.W16.	the diagnostic methods used in anatomical pathology and the role of laboratory testing in prevention and diagnosis of organ and systemic disorders;							test MCQ	L, MC					



C.W17.	the signs of death and postmortem changes as well as principles of technique and diagnosis in autopsies;	test MCQ	L, MC
C.U6.	identify pathological changes in cells, tissues and organs in terms of circulatory disorders, regressive changes, progressive changes and inflammation;	implementation of the commissioned task	MC
C.U7.	identify pathological changes caused by HIV infection and observed in patients with acquired immunodeficiency syndrome (AIDS);	implementation of the commissioned task	MC
C.U14.	identify pathological changes in cells, tissues and organs according to basic mechanisms;	implementation of the commissioned task	MC
E.W15.	cytodiagnostic methods and criteria for diagnosing and differentiating neoplastic and non-neoplastic diseases;	test MCQ	L, MC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload	Student Workload
1. Number of hours of direct contact:	45
2. Number of hours of distance learning:	15
3. Number of hours of student's own work:	30
4. Number of hours of directed self-study	-
Total student's workload	90
ECTS points for course	3

Content of classes:

Lectures

1. General pathology, histopathological examination methods, autopsy rules.
2. Genetic, congenital and developmental defects.
3. Degenerations and regressive changes.
4. Hemodynamic disorders, thromboembolic disease and shock.
5. Acute and chronic inflammation.
6. Neoplasia: epidemiology, molecular basis of cancer, carcinogenic agents, characteristics of benign and malignant neoplasms, Grading and Staging of tumors, TNM Classification.
7. Neoplasia: epithelial and mesenchymal neoplasms.
8. Blood vessels and heart pathology.
9. Respiratory tract and pulmonary pathology.
10. Gastrointestinal tract pathology: esophagus, stomach, bowels, liver and pancreas.
11. Urinary tract and kidney pathology.
12. Female genital tract and breast pathology.
13. Male genital tract pathology.
14. Central nervous system pathology.
15. Endocrine and skin pathology.

Classes

1. Introduction to pathology: the organization of pathology department and histopathological laboratory, principles of taking and procurement of the histopathological/tissue material, method of research: proceedings of specimens, histochemical and immunohistochemical
2. Degenerations: basic definitions and classifications.
3. Adaptations, injury and death: apoptosis, necrosis and atrophy.
4. Circulatory disorders: thrombosis, DIC, ischemia, congestion, edema, hemorrhage, shock.
5. Inflammation: definition, causes, terminology, divisions, inflammation, acute and chronic.
6. Tumours: definition, division, tumor growth, the spread of cancer, metastatic disease.
7. Tumours of epithelial and mesenchymal origin.
8. Cardiovascular system.



9. Respiratory tract. 10. Male and female genital tract and breast. 11. Kidneys and urinary tract. 12. The central nervous system and peripheral nerves. 13. Hematopoietic system and endocrine system. 14. Musculo-skeletal system: bones, joints and muscles. 15. Pathology of the skin.	
Basic literature 1. Kumar V, Abbas A.K., Aster J.: Robbins Basic Pathology. 10th Edition; 2017. 2. Anderson: Pathology, part I and II, 1995-2000. 3. Stevens A, Lowe JS, Young B: Wheater's Basic Histopathology. A colour atlas & text; 2002.	
Additional literature and other materials 1. Lippincott's Illustrated Q&A Review of Rubin's Pathology, 2nd Edition; Lippincott's 2011. 2. Goljan E.F.: Rapid Review Pathology, 2ed, Mosby 2007.	
Preliminary conditions: 1. Knowledge of basic issues of normal and topographic human anatomy. 2. Knowledge of basic issues in human histology. 3. Knowledge of basic issues of human physiology.	
Conditions to receive credit for the course: The condition for passing the course is to obtain a positive assessment of the two tests in the form of test questions (MCQ test).	
	Criteria for courses ending with a credit³
Credit	≥60% correct answers in the MCQ test

Unit realizing the course:	Department of Clinical Pathology			
Unit address:	ul. Borowska 213, 50-556 Wrocław			
Telephone:	71 734 39 60			
E-Mail:	WL-43.2@umed.wroc.pl			
Person responsible for the course:	Prof. dr hab. Agnieszka Hałoń			
Telephone:	71 734 39 60			
E-Mail:	WL-43.2@umed.wroc.pl			
List of persons conducting specific classes:				
Name and surname	Degree/scientific or professional title	Discipline for classes	Performed profession ³	Form of classes
Agnieszka Hałoń	Prof. dr hab.	medical science	doctor	L
Paweł Gajdzis	Dr n. med.	medical science	doctor	MC
Maciej Kaczorowski	Dr n. med.	medical science	doctor	MC

Date of Syllabus development
the 30th of June 2021

Syllabus developed by
Prof. dr hab. Agnieszka Hałoń.
Signature of Head(s) of teaching unit(s)

Dean's signature

Prof. dr hab. Agnieszka Hałoń
Kierownik
KATEDRA PATOLOGII KLINICZNEJ
I DOŚWIADCZALNEJ

Unwersytet Medyczny we Wrocławiu
KATEDRA PATOLOGII KLINICZNEJ
I DOŚWIADCZALNEJ
kierownik
Prof. dr hab. Agnieszka Hałoń

Name and surname	Degree/scientific or professional title	Discipline for classes	Performed profession ³	Form of classes
Prof. dr hab. Agnieszka Hałoń	Prof. dr hab.	medical science	doctor	L
Dr n. med.	Dr n. med.	medical science	doctor	MC
Dr n. med.	Dr n. med.	medical science	doctor	MC

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