



48SJ-PATH22

ECTS: 9

YEAR: 2022Z

PATHOLOGY 2/2
PATHOLOGY 2/2**COURSE CONTENT**
CLASSES

CLASSES: 1. Pathology of the pancreas, liver. 2. Pathology of the thyroid, adrenal glands and pancreas. + Multiple Endocrine Neoplasia (MEN) Syndromes. 3. Pathology of the female genital system. 4. Pathology of the breast. Colloquium I /classes 1-4/ 5. Pathology of the male genital system. 6. Pathology of the urinary tract and kidney. 7. Pathology of the skin. 8. Pathology of the soft tissue. 9. Pathology of the bones and joints. Colloquium II /classes 5-9/ 10. Pathology of the nervous system. 11. Hemathopathology- Bone marrow diseases. 12. Hemathopathology- Lymph nodes diseases. Colloquium III /classes 10-12/ 13. General Pathology- repetition. SEMINARS: 1. Pathology of the gallbladder and biliary tract. 2. Pathology of the endocrine system. 3. HPV- related tumors (head and neck, reproductive organs). 4. Diseases of pregnancy. 5. Pathology of the prostate gland. 6. Glomerulonephritis. 7. Dermatoses. 8. Pathology of the soft tissue, bones and joints. Pathology of the muscles and peripheral nervous system (NON- NEO). 9. Pathology of the nervous system (NON- NEO). 10. Hemathopathology- repetition.

LECTURES

LECTURES: 1. Pathology of the pancreas, liver. Gallbladder and biliary tract. 2. Pathology of the endocrine system. 3. Pathology of the female genital system. 4. Pathology of the male genital system and prostate gland. 6. Pathology of the urinary tract and kidney. 7. Pathology of the skin. 8. Pathology of the soft tissue, bones and joints. 9. Pathology of the nervous system. 10. Hemathopathology.

EDUCATIONAL OBJECTIVE:

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

DESCRIPTION OF LEARNING OUTCOMES FOR THE COURSE IN RELATION TO FIELD AND MAJOR LEARNING OUTCOMES

Codes of learning outcomes in a major field of study: M/NM+++,

Codes of learning outcomes in a major area of study: C.U11.+ , C.U12.+ , C.W.31.+ , C.W.32.+ , C.W.33.+ , C.W26.+ , C.W27.+ , C.W28.+ , C.W29.+ , C.W30+ , K.2.+ , K.3.+ , K.4.+ , K.5.+ , K.7.+ , K.9.+ ,

LEARNING OUTCOMES:**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.W29. definition and pathophysiology of shock, with particular emphasis on the differentiation of causes of shock and multiorgan failure;
W4 - C.W30 etiology of hemodynamic disorders, regressive and progressive changes;
W5 - C.W.31. issues in the field of systemsurgical pathology, macro- and microscopic images and the clinical course of pathomorphological changes in particular organs;
W6 - C.W.32. consequences of developing pathological changes for topographically adjacent organs;
W7 - C.W26. pathomorphological nomenclature;
W8 - C.W.33. external and internal pathogens, modifiable and non-modifiable;

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 competence

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

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

SUPPLEMENTARY LITERATURE**Course/module:**

Pathology 2/2

Fields of education:

Course status: mandatory
Course group: A - przedmioty podstawowe

ECTS code:

Field of study: Medicine

Specialty area: Medicine

Educational profile: General academic

Form of study: full-time

Level of study: uniform master's studies

Year/semester: 3 / 5

Type of course:

Classes, Seminar, Lecture

Number of hours per semester/week: Classes: 60, Seminar: 20, Lecture: 20

Teaching forms and methods

Classes(K1, K2, K3, K4, K5, K6, U1, U2, W1, W2, W3, W4, W5, W6, W7, W8) : Practical classes. Interpretation of macroscopic and microscopic pictures. Didactic autopsy. Interpretation of macroscopic and microscopic pictures., Seminar(K1, K2, K3, K4, K5, K6, U1, U2, W1, W2, W3, W4, W5, W6, W7, W8) : Problems solving seminary. Evaluation of work and cooperation skills in group., Lecture(K1, K2, K3, K4, K5, K6, U1, U2, W1, W2, W3, W4, W5, W6, W7, W8) : Presenting lectures.

Form and terms of the verification results:

CLASSES: Colloquium practical - In case of obtaining final failing grade (2) in IV-th and/or V-th semester, Student has a right to take Final Retake Colloquium (after IV-th and/or V-th semester accordingly). Final Retake Colloquium is held in the written form (30 multiple-choice questions) for all of the Students with failing grade, in the same time and date, before the beginning of the examination session. To obtain a passing grade (satisfactory – 3) Student has to give at least 60% of answers correct – at least 18 points. There is no retake for the Final Retake Colloquium. In case of failing Final Retake Colloquium Student fails classes, and as a result Student is not allowed to attend another semester nor take the Final Examination, gets a fail grade (2) and has to retake IV-th or V-th semester respectively. Theoretical knowledge may be checked orally during each practical class. Required knowledge includes subject of present practical class and all previous practical classes. Passing of each class is evaluated upon active participation during current practical class. Students being exceptionally active during a practical class may get additional 0,5 point, which will be added to the final summary at the end of the semester. In case of lack of answers for the questions asked by the teacher student may fail to pass a practical class, and will be obliged to retake this class. (U1, U2, W1, W2, W3, W4, W5, W6, W7, W8) ; CLASSES: Colloquium test - During each semester, according to given schedule, three colloquiums will be held in the form of written multiple-choice-question test (20 questions). Material and knowledge included in particular colloquium will be described in the schedule on a website of the Department of Pathomorphology and hanged

on an information board at the department. For the each colloquium Student may get between 0 and 20 points, which will be summarized with points given for the active participation in practical classes, and will be the underlay for the final grade from V-th semester. There is no possibility of retaking the colloquium. During a semester Student may get between 0 and 60 points summarized for all of the colloquiums, plus extra points gained due to active participation in practical classes, according to the rules and regulations described in the paragraph 5.2a. All summarized points are the underlay for the final grade from semester IV and V, according to the following scale of grades: 0-36 – fail (niedostateczny - 2) 36,5-41 – satisfactory (dostateczny - 3) 41,5-46 – satisfactory plus (dostateczny plus – 3,5) 46,5-51 – good (dobry - 4) 51,5- 56,5 – good plus (dobry plus – 4,5) ≥ 57 punktów – very good (bardzo dobry – 5). (W1, W2, W3, W4, W5, W6, W7, W8) ; SEMINAR: Evaluation of the work and cooperation in the group - Passing of each seminar is evaluated upon active participation during current seminar and oral presentation of subject given by the teacher. In case of lack of answers for the questions asked by the teacher student may fail to pass a seminar, and will be obliged to retake it. (K1, K2, K3, K4, K5, K6) ; LECTURE: Part in the discussion - Participation in discussion (K1, K2, K3, K4, K5, K6, W2, W3, W4, W5, W6, W7, W8) ; LECTURE: Written exam - To take the Examination Student must pass all practical classes, seminars and lectures, and receive a final passing grade from both, IV-th and V-th semester. The Examination is held after finishing whole educational cycle, and has a form of a multiple-choice-questions test. The Examination consists of theoretical part (95 questions) and practical part (5 questions), which are MCQ questions related to macroscopic and microscopic pictures presented on slides. Material and knowledge required for the Examination includes all seminars, practical classes and lectures. Scale of grades: 0-59% – fail (niedostateczny - 2) 60-68% – satisfactory (dostateczny - 3) 69-76% – satisfactory plus (dostateczny plus – 3,5) 77-84% – good (dobry - 4) 85-92% – good plus (dobry plus – 4,5) 93-100% – very good (bardzo dobry – 5). (U1, U2, W1, W2, W3, W4, W5, W6, W7, W8)

Number of ECTS 9

points:

Language of instruction: English

Introductory courses:

Normal anatomy, histology, biochemistry, medical biology, mikrobiology.

Preliminary requirements:

Normal anatomy, histology, biochemistry, medical biology, mikrobiology.

Name of the organizational unit offering the course:

Katedra Patomorfologii i Medycyny Sądowej,

Person in charge of the course:

dr hab. n. med. Konrad Ptaszyński, prof. UWM, dr n. med. Aleksandra Sejda,

Course coordinators:

Notes:

Detailed description of the awarded ECTS points - part B

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The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	60 h.
- participation in: seminar	20 h.
- participation in: lecture	20 h.
- consultation	5 h.
	105 h.

2. Student's independent work:

-	120 h.
	120 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 225 h : 25 h/ECTS = 9,00 ECTS
on average: **9 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	4,20 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	4,80 ECTS points,