



48SJ-PBL58

ECTS: 0,5

YEAR: 2023Z

PROBLEM BASED LEARNING (PBL) 5

PROBLEM BASED LEARNING (PBL) 5

COURSE CONTENT CLASSES

Case Studies: Case 1. Part 1 Cradiovascular diseases, Cz.2 pathophysiology, clinical manifestations, laboratory diagnostics and imaging. Case 2. Pulmonary diseases Part 1, Part 2 symptoms, pathophysiology, diagnostic laboratory and imaging. Differential diagnosis and treatment. Case 3. Part 1. Endocrine diseases. Part 2. pathophysiology, clinical manifestations, laboratory diagnostics. Case 4. Rheumatic disorders Part 1, Part. 2 - pathophysiology, clinical manifestations, laboratory diagnostics and imaging. Differential diagnosis and management. Case 5. cz.1 Acute states in cardiology; part 2 symptoms, pathophysiology, diagnostic laboratory and imaging. Differential diagnosis and management. Differential diagnosis and treatment. Case 6. cz.1 Infectious diseases of the gastrointestinal tract. Part 2 pathophysiology, clinical manifestations, laboratory diagnostics and imaging. Analysis of the current literature. Analysis of cases of basic internal medicine diseases.

LECTURES

Not applicable

EDUCATIONAL OBJECTIVE:

Student knows theoretical and practical background of internal diseases together with laboratory tests and medical diagnostic procedures. Knows and understands the way of searching the resolution of clinical cases.

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: B.U10.+ , B.W24.+ , B.W25.+ , C.U11.+ , C.U12.+ , C.U20.+ , D.U1.+ , D.U16.+ , E.U12.+ , E.U14.+ , E.W1.+ , E.W7.+ , K.1.+ , K.4.+ , K.5+ , K.9.+ ,

LEARNING OUTCOMES:

Knowledge

- W1 - Student knows environmental and economical circumstances of coronary artery disease, myocardial infarction and lifethreatening conditions in cardiology; renal disease, diabetes and GI tract disorders
- W2 - Knows and understands etiology, signs, symptoms, principles of diagnosis and therapy in of coronary artery disease, myocardial infarction and life-threatening conditions in cardiology; renal disease, diabetes and GI tract disorders.
- W3 - The student knows and understands the relationship between factors disturbing the balance of biological processes and physiological and pathophysiological changes reflecting them;
- W4 - The student knows the basic quantitative parameters describing the efficiency of human systems and organs, including ranges of norms and demographic factors affecting the value of these parameters;

Skills

- U1 - The student knows how to use databases, including online, and search for the information he needs using the available tools;
- U2 - The student knows how to link the images of tissue and organ damage with clinical symptoms of the disease, history and results of laboratory tests;
- U3 - The student knows how to analyze reactive, defensive and adaptive phenomena and regulation disorders caused by an etiological factor;
- U4 - The student knows how to describe changes in the functioning of the body in a situation of homeostasis disorder, in particular to determine its integrated response to physical exertion, exposure to high and low temperature, loss of blood or water, sudden uprightiness, transition from sleep to wakefulness.
- U5 - The student knows how to consider the patient's subjective needs and expectations arising from socio-cultural conditions in the therapeutic process;
- U6 - The student knows how to show responsibility for raising their qualifications and transferring knowledge to others;
- U7 - The student knows how to perform differential diagnostics of the most common diseases of adults and children; knows how to recognize life threatening conditions;

Social competence

- K1 - The student has the ability to establish and maintain deep and respectful contact with the patient, as well as to show understanding of ideological and cultural differences;
- K2 - The student has the ability to take actions towards the patient based on ethical principles, with an awareness of social conditions and restrictions resulting from the disease;
- K3 - The student has the ability to see and recognize their own limitations and to make self-assessments of educational deficits and needs;
- K4 - The student has the ability to implement 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

Course/module:	
Problem Based Learning (PBL) 5	
Fields of education:	
Course status:	mandatory
Course group:	B - przedmioty kierunkowe
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:	4 / 7
Type of course:	
Classes	
Number of hours per semester/week:	Classes: 15
Teaching forms and methods	
Classes(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4) : Practical exercises, brain storm in the groups of students leading to a clinical case resolution and diagnosis. Activating the students to take their roles in the study group, to obtain the necessary information and knowledge leading to the case diagnosis and treatment plan.	
Form and terms of the verification results:	
CLASSES: Evaluation of the work and cooperation in the group - Evaluation of the work and cooperation in group 1 - presence on classes, active participation in discussions , knowledge basic issues and reliability and professionalism in the management and communication of patients and their families (W1, W2, W3, W4, W5, W6, U1, U2, U3, U4, U5, U6, U7, K1, K2). Project 2 - analysis of the concepts presented for discussion, critical and synthetic using literature (W1, W2, U1, U3, U6). Presence 0 pts., "writer" 3 pts., activity 10 pts., absence (-)10 pts., unexcused absence leads to the subject failure(K1, K2, K3, K4, U1, U2, U3, U4, U5, U6, U7, W1, W2, W3, W4)	
Number of ECTS points:	0,5
Language of instruction:	English
Introductory courses:	
anatomy, physiology, pathophysiology, introduction to internal medicine, clinical pharmacology	
Preliminary requirements:	
background of anatomy, physiology and pathophysiology, knowledge of introduction to internal medicine (history taking and physical diagnosis)	
Name of the organizational unit offering the course:	
Katedra Kardiologii i Chorób Wewnętrznych,	
Person in charge of the course:	
dr n. med. Maciej Żechowicz,	
Course coordinators:	
Notes:	

1) Dembińska-Kieć A, Naskalski JW, Diagnostyka laboratoryjna z elementami biochemii klinicznej, wyd. Elsevier Urban & Partner, 2009 ; 2) Kokot F, Hyla-Klekot L, Kokot S, Badania laboratoryjne Zakres norm i interpretacja, wyd. Wydawnictwo Lekarskie PZWL, 2011 ; 3) Gajewski P., Interna Szczeklika - mały podręcznik 2014/2015, wyd. Medycyna Praktyczna, 2014

SUPPLEMENTARY LITERATURE

1) Kokot F., Franek E., Zaburzenia gospodarki wodno-elektrolitowej i kwasowo zasadowej, wyd. Wydawnictwo Lekarskie PZWL, 2013

Detailed description of the awarded ECTS points - part B

48SJ-PBL58
ECTS: 0,5
YEAR: 2023Z

PROBLEM BASED LEARNING (PBL) 5 **PROBLEM BASED LEARNING (PBL) 5**

The awarded number of ECTS points is composed of:

1. Contact hours with the academic teacher:

- participation in: classes	15 h.
- consultation	2 h.
	17 h.

2. Student's independent work:

- clinical case preparation	1,5 h.
	1,5 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 18,5 h : 25 h/ECTS = 0,74 ECTS

on average: **0,5 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	0,68 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	-0,18 ECTS points,