



48SJ-PBL28

ECTS: 0,5

YEAR: 2020L

PROBLEM BASED LEARNING (PBL) 2
PROBLEM BASED LEARNING (PBL) 2**COURSE CONTENT**
CLASSES

Clinical problems of patients with spina bifida (elements of anatomy, embryology, orthopedics). Clinical problems of patients with dysfunction of CNS (elements of neuroanatomy, neurology, rehabilitation). Clinical problems of patients after muscle-skeletal system trauma (elements of anatomy, orthopedics, rehabilitation). Back pain (spine anatomy).

LECTURES

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EDUCATIONAL OBJECTIVE:

The student should familiarize himself/herself with the rules of a clinical ward. Developing communication skills within the group and in contact with a patient. To familiarize the student with the holistic nature of doctor-patient work and the principles of medical profession. The student should learn about the clinical problems of a child with spina bifida, central nervous system disorder, discopathy (including spinal anatomy) and after motor organ injuries.

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+++ , M/NMA_P7S_KR+ , M/NMA_P7S_WG++ ,

Codes of learning outcomes in a major area of study: A.U3.+ , B.W20.+ , B.W25.+ , D.U15.+ , D.U4.+ , D.U5.+ , D.W6.+ , D.W8.+ , DW.16.+ , E.W30.+ , K.1.+ , K.2.+ , K.3.+ , K.5+ , KA7_KR2+ , KA7_WG13+ , KA7_WG14+ ,

LEARNING OUTCOMES:**Knowledge**

W1 - (B.W20) Knows and understands basics of stimulation and conduction in nervous system; knows higher CNS functions, physiology of skeletal muscle, smooth muscles and blood functions;

W2 - (B.W25) Knows and understands the relationship between factors disturbing the balance of biological processes and physiological and pathophysiological changes.

W3 - (D.W6) Knows and understands the importance of verbal and non-verbal communication in the process of communication with a patient and the concept of trust in interaction with a patient

W4 - (D.W8) Knows and understands the functioning of health care system and the social role of a doctor.

W5 - (D.W16) Knows and understands the main concepts, theories and ethical principles serving as a general framework for the proper interpretation and analysis of moral-medical issues.

W6 - (E.W30) He knows and understands the concept of disability and invalidity.

W7 - (KA7_WG13) Knows and understands the basics of conduct and interdisciplinary treatment of the patient in particular neurological and orthopedic problems

W8 - Knows the rules of professional academic, social and professional

Skills

U1 - (D.U5) Is able to conduct an interview with a child and its family, uses techniques of active listening and showing empathy, discusses with patients about his/her present situation

U2 - (D. U15) Can respect the rights of the patient.

U3 - (A.U3) Can explain the anatomical basis of the study

U4 - (D.U4) Can build a climate of confidence throughout the diagnostic and treatment process.

Social competence

K1 - (K.2) Student's decisions are guided by the well-being of the patient.

K2 - (K.1) Can establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture.

K3 - (K.3) Obeys the medical confidentiality rule and respects patient rights;

K4 - (K.5) Notices and recognises its own limitations and makes a self-assessment of deficits and educational needs.

K5 - (KA7_KR2) Can inspire, be a leader and work in an interdisciplinary team in particular during the course of type PBL

BASIC LITERATURE

1) Berkel von Henk, Scherpbier A., Hillen H., Vleuten van der Cees.: Lessons from Problem-based Learning. , wyd. Wyd. Oxford University Press, 2010 ; 2) Grave de Willem, Moust J., Hommes J., The role of the tutor in a problem based learning curriculum. , wyd. Wyd. Department of Educational Development & Research, Maastricht, 2010 ; 3) Kiwerski J., Rehabilitacja medyczna, wyd. PZWL, Warszawa , 2007 ; 4) Kowalski I.M., Hurlo L., Zaburzenia postawy ciała w wieku rozwojowym. , wyd. UWM, Olsztyn , 2001, 2003 ; 5) Kowalski I.M., Lewandowski R. (red.): , Rehabilitacja pediatryczna – wybrane zagadnienia., wyd. WSRDA, Olsztyn, 2003 ; 6) Latkowski J.B., Lukas W. (red.): , Medycyna rodzinna. , wyd. PZWL, Warszawa, 2009 ; 7) Kwolek A. (red.): , Rehabilitacja medyczna. , wyd. Wyd. Med. Urban i Partner, 2011 ; 8) Kowalski I.M., Lewandowski R. (red.): , Rehabilitacja dzieci i młodzieży – wybrane zagadnienia., wyd. WSRDA, Olsztyn , 2001

Course/module:

Problem Based Learning (PBL) 2

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:** 1 / 2**Type of course:**

Classes

Number of hours per semester/week: Classes: 10**Teaching forms and methods**

Classes(K1, K2, K3, K4, K5, U1, U2, U3, U4, W1, W2, W3, W4, W5, W6, W7, W8) : Discussion, discussion of clinical cases

Form and terms of the verification results:

CLASSES: Part in the discussion - Continuous assessment, assessment of discussion the classes, assessment of selfstudy.(K1, K2, K3, K4, K5, U1, U2, U3, U4, W1, W2, W3, W4, W5, W6, W7, W8) ; CLASSES: Evaluation of the work and cooperation in the group - During classes the tutor evaluates an engagement and student's preparation to the meeting according to scoring system: 1 - sufficient, 2 - good, 3 - very good.(K1, K2, K3, K4, K5, U1, U2, U3, U4, W1, W2, W3, W4, W5, W6, W7, W8)

Number of ECTS points: 0,5**Language of instruction:** English**Introductory courses:**

Anatomy, biology, embryology, ethics

Preliminary requirements:

Students joining the subject Problem Based Learning should have basic knowledge of anatomy, medical biology, embryology and ethics.

Name of the organizational unit offering the course:

Katedra Rehabilitacji i Ortopedii,

Person in charge of the course:

prof. dr hab. n. med. Ireneusz Kowalski,

Course coordinators:

lek. Alicja Warmowska-Dawid, , dr Anna Kamelska-Sadowska,

Notes:

Continuation and expansion of the program with semester I

SUPPLEMENTARY LITERATURE

1) , Journal: Ortopedia, Traumatologia, Rehabilitacja , 2007-2018

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	10 h.
- consultation	2 h.
	12 h.

2. Student's independent work:

- preparation for exercise	0,5 h.
	0,5 h.

1 ECTS point = 25-30 h of the average student's work, number of ECTS points = 12,5 h : 25 h/ECTS = 0,50 ECTS

on average: **0,5 ECTS**

- including the number of ECTS points for contact hours with direct participation of the academic teacher:	0,48 ECTS points,
- including the number of ECTS points for hours completed in the form of the student's independent work:	0,02 ECTS points,