
Course title: PROBLEM BASED LEARNING (PBL) 2/8

ECTS credit allocation (and other scores): 0,5

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: 10

Course coordinator/ Department and e-mail: Prof. Ireneusz M. Kowalski, MD, PhD

Type of classes: classes

Substantive 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).

Form and terms of the verification results: - discussion, discussion of clinical cases; -continuous assessment, assessment of discussion the classes; -evaluation of the work and cooperation in the group; - during classes the tutor evaluates an engagement student's and preparation to the meeting according to scoring system: 1 - sufficient, 2 - good, 3 - very good.

LECTURES: -

Learning purpose: 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.

On completion of the study programme the graduate will gain:

Knowledge: Knows and understands basics of stimulation and conduction in nervous system; knows higher CNS functions, physiology of skeletal muscle, smooth muscles and blood functions.

Knows and understands the relationship between factors disturbing the balance of biological processes and physiological and pathophysiological changes.

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.

Knows and understands the functioning of health care system and the social role of a doctor.

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.

Knows and understands the concept of disability and invalidity.

Knows and understands the basics of conduct and interdisciplinary treatment of the patient in particular neurological and orthopedic problems.

Knows the rules of professional academic, social and professional.

Skills: 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.

Can respect the rights of the patient.

Can explain the anatomical basis of the study.

Can build a climate of confidence throughout the diagnostic and treatment process.

Social Competencies: Student's decisions are guided by the well-being of the patient.

Can establish and maintain a deep and respectful contact with the patient and demonstrate understanding of differences in worldview and culture.

Obeys the medical confidentiality rule and respects patient rights.

Notifies and recognises its own limitations and makes a self-assessment of deficits and educational needs.

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. Oxford University Press, 2010.

2. Grave de Willem, Moust J., Hommes J. The role of the tutor in a problem based learning curriculum. Wyd. Department of Educational Development & Research, Maastricht, 2010.

3. Braddom RL. Physical Medicine and Rehabilitation. 4th ed. W.B. Saunders, 2010.

4. Staheli L.T., Song K.M. Pediatric Orthopaedic Secrets , 3rd Edition, 2007.

5. Braddom R.L. Physical Medicine and Rehabilitation. 4th ed. W.B. Saunders, 2010.

Supplementary literature:

1) Journal: Postępy Rehabilitacji, 2007-2019

2) Journal: Ortopedia, Traumatologia, Rehabilitacja, 2007-2019

3) Journal: Fizjoterapia Polska, 2007-2019

4) Journal: Fizjoterapia, 2007-2019

5) Journal: Rehabilitacja Medyczna, 2007-2019

6) Journal: Rehabilitacja Praktyczna, 2007-2019

7) Journal: Polish Annals of Medicine, 2007-2019

8) Journal: Advances in Rehabilitation, 2007-2019

The allocated number of ECTS points consists of:

Contact hours with an academic teacher: 12

Student's independent work: 0,5