

DESCRIPTION OF THE COURSE OF STUDY

Course code		
Name of the course in	Polish	Neurologia
	English	Neurology

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform master's studies
1.4. Profile of study*	Practical
1.5. Person preparing the course description	dr hab. n. med. Mariola Świderek-Matysiak
1.6. Unit running the course of study	Faculty of Medicine and Health Sciences
1.7. Person/s preparing the course description	dr hab. n. med. Mariola Świderek-Matysiak, dr n.med. Elzbieta Jasińska
1.8. Person responsible for the course of study	dr hab. n. med. Mariola Świderek-Matysiak,
1.9. Contact	

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	Non-surgical clinical sciences
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	7 th semester
2.4. Prerequisites*	The basic knowledge of anatomy and physiology of the nervous system

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture-15 , classes-15 , practical classes-30
3.2. Place of classes	Courses in the teaching rooms of the UJK, Practical classes: Department of Neurology Regional Hospital (WSSz) and Outpatient Clinic of Neurology RESMEDICA in Kielce
3.3. Form of assessment	Positive assessment of the case presentation written by a student, passing the practical exam, passing the final exam
3.4. Teaching methods	Verbal (lecture), viewing (demonstration, case demonstration, movie), practical (neurological examination, differential diagnosis, writing a medical history)
3.5. Bibliography	Required reading
	Further reading

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

<p>4.1. Course objectives (including form of classes)</p> <p>C-1 (knowledge) - providing students with knowledge of standards in neurology, familiarization with the principles of conducting interviews and clinical examination, acquiring knowledge about diagnosis and management of both common and rare neurological conditions, familiarize with ethical problems related to patient care, including end-of-life problems, termination of support for people with severe brain damage and palliative choices care.</p> <p>C-2 (skills) - the acquisition by students of the ability to observe and recognize a neurological condition and interpretation of tests used in neurology: Lumbar Puncture, Carotid Duplex Sonography, Computer Tomography, Magnetic Resonance, neurophysiological assessment: EEG, EMG, VEPs.</p> <p>C-3 (social competences) - familiarizing students with the specifics of work in neurological clinic and showing the</p>

importance of communication skills, both with patients, families, and the hospital staff and colleagues in and outside the hospital.

4.2. Detailed syllabus (including form of classes)

A. Lectures

1. Clinical syndromes in neurology - 3h
Headache and facial pain – 1 h
2. Stroke – 2 h
Epilepsy and other episodic disorders of neurologic function – 2h
3. Demyelinating diseases – 1h
Parkinson disease and other common extrapyramidal diseases– 2h
Motor neuron disease -1h
4. Polyradiculitis and polyneuropathy – 1,5 h
Myopathy, myositis and disorder of neuromuscular transition – 1.5h

B. Classes

1. The importance of medical interview in neurology. Knowledge and consolidation of knowledge about the neurological diseases, neurological tests and assessment of the functional state of a neurological patient.
2. Diagnostic methods used in neurology: computed tomography, magnetic resonance imaging, cerebrospinal fluid examination, carotid and vertebral artery tests, neurophysiological tests.
3. Differential diagnosis of neurological diseases.
4. Intensive therapy in neurology. Rules for the management of patients after head trauma, with brain tumors, intracranial haemorrhage, status epilepticus,, Guillain – Barre syndrom
3. Diagnosis and treatment of vascular diseases of the brain and spinal cord.
4. Diagnosis and treatment of extrapyramidal system diseases, neurodegenerative diseases, neuromuscular diseases, demyelinating diseases, spinal diseases and radiculopathy
5. Prevention of nervous system diseases.
6. Rules for the treatment of acute and chronic pain
7. Neurological symptoms in internal diseases.
8. Rules of rehabilitation treatment.

C. Practical Classes:

1. Approach to diagnosis. Neurological examination: reflexes, symptoms and neurological syndromes. Examination of the unconscious patient and assessment of life-threatening conditions.
2. Management of suspected stroke, neuroinfection, status epilepticus, intoxication, psychoactive substances, consequences of craniocerebral trauma, myasthenic crisis, and relapses of multiple sclerosis.
3. Principles of diagnostics and treatment of basic neurological diseases.
4. Differential diagnosis of the most common neurological diseases.
5. Behavioral disorders, confusion and agitation in neurological diseases - methods of management and immediate patient protection.

4.3 Intended learning outcomes

Code	A student, who passed the course	Relation to teaching outcomes
within the scope of KNOWLEDGE , the graduate knows and understands:		
W01	environmental and epidemiological conditions for the most common diseases;	E.W1.
W02	basic neurological syndromes;	E.W13.
W03	causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases of the nervous system, including: 1) headaches: migraine, tension headaches and bands headaches and trigeminal neuralgia of nerve V; 2) vascular diseases of the brain, in particular the stroke; 3) epilepsy; 4) infection of the nervous system, in particular meningitis, Lyme disease, HSV encephalitis, neurotransmitter disorders; 5) dementia, in particular in Alzheimer's disease, frontotemporal dementia, vascular	E.W14.

	dementia, and other types of dementia; 6) diseases of the basal ganglia, in particular Parkinson's disease; 7) demyelinating diseases, in particular multiple sclerosis; 8) diseases of the neuromuscular system, in particular amyotrophic lateral sclerosis and sciatica; 9) cranio-cerebral trauma, in particular concussion;	
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