



Neurology

1. IMPRINT	
Academic Year	2026/2027
Department	Faculty of Medicine and Dentistry
Field of study	English Dentistry Division
Main scientific discipline	Medical science
Study Profile	General academic
Level of studies	Uniform MSc
Form of studies	5-years full time studies
Type of module / course	Obligatory
Form of verification of learning outcomes	Test
Educational Unit / Educational Units	Department of Child Neurology and Rare Diseases, Warsaw Medical University, Al. Żwirki i Wigury 63a, 02-091 Warsaw phone: 223179681
Head of Educational Unit / Heads of Educational Units	Dr hab. n. med. Krystyna Szymańska; krystyna.szymanska@wum.edu.pl Prof. dr hab. n. med. Izabela Domitrz, izabela.domitrz@wum.edu.pl
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Person responsible for syllabus	Dr n. med. Małgorzata Bilśka; malgorzata.bilska@wum.edu.pl

Załącznik nr 4C do Procedury opracowywania i okresowego przeglądu programów studiów
(stanowiącej załącznik do zarządzenia nr 68/2024 Rektora WUM z dnia 18 kwietnia 2024 r.)

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2. BASIC INFORMATION			
Year and semester of studies	year III, semester V	Number of ECTS credits	2
FORMS OF CLASSES		Number of hours	ECTS credits calculation
Contacting hours with academic teacher			
Lecture (L)		-	-
Seminar (S)		15	0,4
Discussions (D)		15	0,8
e-learning (e-L)			
Practical classes (PC)			
Work placement (WP)			
Preparation for classes and completions		15	0,8

3. COURSE OBJECTIVES	
O1	Students will achieve basic knowledge and skills in the field of neurology.
O2	Students will achieve basic knowledge about symptomatology of diseases most relevant to a dentist: pathologies of the cranial nerves, muscle diseases, epilepsy and mental retardation.
O3	Students will achieve basic knowledge about diagnostic methods and treatment carried out in patients with neurological disorders.

4. STANDARDS OF LEARNING – DETAILED DESCRIPTION OF EFFECTS OF LEARNING	
Code and number of effect of learning in accordance with standards of learning	Effects in time
Knowledge – Graduate* knows and understands:	
A.W1.	human body structures: cells, tissues, organs, and systems with particular emphasis on the stomatognathic system;
A.W4.	the role of the nervous system in the functioning of individual organs;
A.W6.	anatomical justification for the physical examination;
A.U1.	interpret anatomical relationships illustrated by basic radiological diagnostic methods (radiological images and images with contrasting agents), with particular emphasis on the head and neck;
C.W12.	pathomechanism of selected diseases with hypersensitive background, autoimmune diseases and immunodeficiencies;
E.W2.	mechanisms leading to organ and systemic pathologies, including chronic non-communicable, infectious, metabolic, genetic and immunodeficiency diseases;
E.W4.	the relationship between morphological abnormalities and the function of altered organs and systems as well as clinical manifestations and diagnostic and treatment options;
E.W10.	principles of pharmacological and non-pharmacological treatment of acute and chronic, neoplastic, neuropathic pain and the specificity of pain management in different patient groups;
E.W20.	environmental and epidemiological determinants of the most common neoplasms;
Skills– Graduate* is able to:	
F.U1.	take a medical and dental history with a patient or their family by following the principles of professional communication
F.U9.	order additional examinations and interpret their results and schedule consultations
H.U2.	perform a complete and focused examination

H.U4.	order additional examinations and specialist consultations;
E.U11.	recognise symptoms of brain injuries and vascular diseases, dementia, and disturbances of consciousness;
E.U12.	diagnose headaches and facial pains as well as neurological diseases in various groups of patients that cause problems in dental practice

5. ADDITIONAL EFFECTS OF LEARNING

Number of effect of learning	Effects of learning in time
Knowledge – Graduate knows and understands:	
K1	-
Skills– Graduate is able to:	
S1	-
Social Competencies – Graduate is ready for:	
SC1	-

6. CLASSES

Form of class	Class contents	Effects of Learning
Seminars	S1 – Seminar 1 - Information about organization of classes, required textbooks, rules and deadlines for receiving credit. Information about evaluating the right student attitude. Basic neurological signs and Epilepsy - principles of diagnosis and treatment symptoms.	A.W1., A.W4., A.W6., E.W2. A.W4., A.W6., EW2., A.U1., C.W12.
	S2 - Seminar 2 - Disorders of the peripheral nerves and muscles: principles of diagnosis and treatment	
	S3 - Seminar 3 -Neuroinflammatory and demyelinating disorders in children- principles of diagnosis and treatment. Inborn errors of metabolism.	A.W1., A.U1., E.W4., E.U11.
	S4 – Seminar 4 – Vascular disorders of central nervous system (ischemic stroke, hemorrhagic stroke, TIA). Demyelinating disorders.	E.W10., E.U12. E.W10., E.U12.
	S5 - Seminar 5 – Headache and facial pain. Vertigo and dizziness.	

Practical trainings	PT 1 - Practical training 1 - Neurological examination of a child. . Disturbance of awakens and consciousness: sings and management	H.U2., F.U1., F.U9., H.U4.
	PT 2 - Practical training 2- Cerebral palsy. Hydrocephalus. Epilepsy: principles of diagnosis and treatment of epileptic seizures. Tumors of the nervous system: signs, proceedings.	E.W2., E.W4., E.W20., E.U12.
	PT 3 - Practical training 3 - The most commonly used diagnostic procedures in neurology: indications, performance and interpretation	A.U1., F.U9.
	4 - Practical training 4 - Neurological examination of adult patients. Practical classes with patients.	H.U2., H.U4.
	PT 5 - Practical training 5 - Neurological examination of adult patients. Practical classes with patients.	H.U2., H.U4.

7. LITERATURE

Obligatory

1. Elan D. Louis, Lewis P. Rowland, Stephan A. Mayer" Merritt's Neurology"13th Edition 2016, Wolters Kluwer Health Lippincott Williams & Wilkins
2. Józwiak S, Michałowicz R. Neurologia dziecięca w praktyce. Wyd. BiFolium, 2001

Supplementary

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8. VERIFYING THE EFFECT OF LEARNING

Code of the course effect of learning	Ways of verifying the effect of learning	Completion criterion
A.W1., A.W4., A.W6., A.U1., C.W12., E.W2., E.W4., E.W10., E.W20., F.U1., F.U9., H.U2., H.U4., E.U11., E.U12.	Written test: single-choice open questions	At least 60% of correct answers

9. ADDITIONAL INFORMATION

1. Active participation in seminars and classes is a prerequisite for obtaining credit.
2. Excused absences from classes and/or exams:
To justify an absence from classes or an assessment, a student is required to notify the course coordinator or another person designated by the head of the department via email or in writing no later than three business days after the date on which the class, assessment, exam, or practicum took place. Submission of an excuse after this deadline is permitted if the student was unable to submit it for valid reasons; in such cases, the document should be submitted as soon as the reason for the absence ceases to exist.

Course Assessment:

In the case of an excused absence from an assessment, the student is entitled to take the assessment on the next date scheduled by the department.

An unexcused absence constitutes grounds for recording a failure for the course on that date. If a student fails to pass the course by the final date set by the department in a given academic year, the student will not receive credit for the course.

3. The course is completed by obtaining a positive result in the final test.

If a student receives a failing grade on the final test, the student is entitled to two retake opportunities. For the second retake opportunity, the student may request that the Dean allow an observer designated by the student government to be present during the test.

The Dean may grant permission to take the test before a committee if justified objections are raised regarding the conduct of the test.

4. The student leaves his outer coats in the cloakroom.

5. It is obligatory to change into a doctor's coat and change shoes.

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ATTENTION

The final 10 minutes of the last class in the block/semester/year should be allocated to students'
Survey of Evaluation of Classes and Academic Teachers