



Neurology

| 1. IMPRINT | |
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| Academic Year | 2024/2025 |
| 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 | Department of Child Neurology, Warsaw Medical University, Al. Żwirki i Wigury 63a, 02-091 Warsaw phone: 223179681 |
| Educational Unit / Educational Units | Dr hab. n. med. Krystyna Szymańska; krystyna.szymanska@wum.edu.pl |

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| Head of Educational Unit / Heads of Educational Units | Dr hab. n. med. Krystyna Szymańska |
| Course coordinator | Dr n. med. Małgorzata Bilka; malgorzata.bilka@wum.edu.pl |
| Person responsible for syllabus | Dr n. med. Małgorzata Bilka; malgorzata.bilka@wum.edu.pl |
| Teachers | Dr hab. n. med. Krystyna Szymańska; krystyna.szymanska@wum.edu.pl Dr n. med. Małgorzata Bilka, malgorzata.bilka@wum.edu.pl Dr n. med. Elżbieta Sołowiej, elzbieta.solowiej@wum.edu.pl Lek.med. Michał Zawadka; michal.zawadka@wum.edu.pl Lek. med. Sylwia Czarnecka; sylwia.czarnecka@wum.edu.pl Lek.med. Michał Kasperowicz; michal.kasperowicz@wum.edu.pl |

2. BASIC INFORMATION

| | | | |
|---|----------------------|-------------------------------|---------------------------------|
| Year and semester of studies | year III, semester V | Number of ECTS credits | 1 |
| FORMS OF CLASSES | | Number of hours | ECTS credits calculation |
| Contacting hours with academic teacher | | | |
| Lecture (L) | | - | - |
| Seminar (S) | | 5 | 0,2 |
| Discussions (D) | | 10 | 0,4 |
| e-learning (e-L) | | | |
| Practical classes (PC) | | | |
| Work placement (WP) | | | |
| Preparation for classes and completions | | 15 | 0,4 |

3. COURSE OBJECTIVES

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| 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. | development of organs and the whole organism, with particular emphasis on the masticatory system |
| A.W 3. | structure of the human body in topographic and functional approach |
| A.W 4. | role of the nervous system in the functioning of individual organs |

Skills– Graduate* is able to:

| | |
|----------|---|
| E.U1. | conduct differential diagnosis of the most common diseases |
| E.U2. | assess and describes the patient's somatic and mental state |
| F.U1. | collect patient's anamnesis |
| F.U 2. | carry out a physical examination |
| G.U 20 . | work in accordance with ergonomic working principles |
| G.U25. | explain and apply the norms contained in the Code of Medical Ethics and international standards of medical ethics |

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 |
| Lectures | - | - |
| Seminars | <p>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 symptoms</p> <p>S2 - Seminar 2 - Epilepsy - principles of diagnosis and treatment</p> <p>S3 - Seminar 3 - Disorders of the peripheral nerves and muscles: principles of diagnosis and treatment</p> <p>S4 - Seminar 4 - Neurodegenerative and demyelinating disorders: principles of diagnosis and treatment</p> <p>S5 - Seminar 5 - Headaches and facial pains. Neurovascular disorders: symptoms, causes and principles of treatment</p> | <p>A.W2., A.W3., G.U 25.</p> <p>E.U 1.</p> <p>A.W 3.</p> <p>E.U 1.</p> <p>E.U 2.</p> |
| Practical trainings | <p>PT 1 - Practical training 1 - Neurological examination of a child and an adult. Disturbance of awakens and consciousness: sings and management</p> <p>PT 2 - Practical training 2- Cerebral palsy. Hydrocephalus: Principles of diagnosis and treatment. Epilepsy: Principles of diagnosis and treatment of epileptic seizures.</p> <p>PT 3 - Practical training 3 - The most commonly used diagnostic procedures in neurology: indications, performance and interpretation</p> <p>PT 4 - Practical training 4 - Inflammatory and demyelinating disorders of the nervous system</p> <p>PT 5 - Practical training 5 - Tumors of the nervous system: signs, proceedings. Diseases of the vertebral column and the spine</p> | <p>F.U1.</p> <p>E.U1</p> <p>E.U1</p> <p>E.U.1</p> <p>E.U 1.</p> |

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.W2., A.W3., A.W4., E.U1., E.U2., F.U1., G.U20., G.U25.) | 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. The course is completed by obtaining a positive result in the final exam. Passing a course in the case of absence on the exam date or in the absence of a positive result allows the resit exam.
3. The student leaves his outer coats in the cloakroom.
4. 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