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| **Syllabus for academic year: 2021/2022** **Training cycle: 2019/2020- 2023/2024** |
| **Description of the course** |
| **Course** | Neurology | Group of detailed education results |
| Group codeE | Group nameGeneral Clinical Sciences (Non-Surgical) |
| **Faculty** | Dentistry |
| **Major**  | dentistry |
| **Level of studies** | **X** uniform magister studies |
| **Form of studies** | **X** full-time  |
| **Year of studies**  | III | **Semester:** | X winter |
| **Type of course** | X obligatory |
| **Language of study** | **X** English |
| **Number of hours** |
| Form of education |
|  | Lectures (L) | Seminars (SE) | Auditorium classes (AC) | Major Classes – not clinical (MC) | Clinical Classes (CC) | Laboratory Classes (LC) | Classes in Simulated Conditions (CSC) | Practical Classes with Patient (PCP) | Foreign language Course (FLC) | Physical Education (PE) | Vocational Practice (VP) | Directed Self-Study (DSS) | E-learning (EL) |
| **Winter semester:** |
| Department of Neurology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Direct (contact) education |  |  |  |  | 15 |  |  |  |  |  |  |  |  |
| Distance learning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Educational objectives** C1. Getting students familiar with methodology of neurological examination, diagnostic procedures in central and peripheral nervous system diseases. C2. Getting students familiar with different groups of neurological disorders and therapeutic possibilities according to the newest scientific data.C3. Practical application of the theoretical knowledge |
| **Education result for course in relation to verification methods of the intended education result and the type of class:** |
| Number of detailed education result | Student who completes the course knows/is able to | Methods of verification of intended education results | Form of didactic class*\*enter the abbreviation* |
| **EW1** | In terms of knowledge the graduate knows and understands the relationship between morphological abnormalities and the function of changed organs and systems and between clinical symptoms and diagnostic and treatment options; | Oral credit | CC |
| **E.W2** | In terms of knowledge the graduate knows and understands the basic methods for conducting a medical examination and the role of additional tests in diagnosis, monitoring, prognosis and prevention of organ and systemic disorders, with a particular emphasis on their effects on oral tissues | Oral credit | CC |
| **E.W6** | In terms of knowledge the graduate knows and understands the neurological effects of chronic drug use | Oral credit | CC |
| **EW18** | In terms of knowledge the graduate knows and understands life-threatening situations | Oral credit | CC |
| **EW20** | In terms of knowledge the graduate knows and understands the cases where the patient should be referred to a hospital | Oral credit | CC |
| **EU.1** | perform differential diagnosis of the most common diseases | Passing a clinical procedure | CC |
| **E.U.2** | assess and describe the somatic and psychological state of the patient | Passing a clinical procedure | CC |
| **EU.3** | plan diagnosis and therapy for the most common diseases | Passing a clinical procedure | CC |
| **EU.10** | In terms of skills the graduate is able to recognize symptoms of brain injury and cerebrovascular diseases, dementia and disorders of consciousness | Passing a clinical procedure | CC |
| **EU.11** | In terms of skills the graduate is able to diagnose head and facial pain and neurological diseases of adults and children which pose problems in dental practice | Passing a clinical procedure | CC |
| **EU.17** | In terms of skills the graduate is able to recognize diseases related to nicotine dependence, alcoholism and other addictions; | Passing a clinical procedure | CC |
| **K 01** | the student actively participates in the diagnostic process, and takes part in the therapy estimation | Passing a clinical procedure | CC |
| **K 02** | Formulating conclusions from own observations and measurements | Passing a clinical procedure | CC |
| \* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning  |
| **Student's amount of work (balance of ECTS points):** |
| **Student's workload** (class participation, activity, preparation, etc.) | **Student Workload** |
| 1. Number of hours of direct contact: | 15 |
| 2. Number of hours of distance learning: |  |
| 3. Number of hours of student's own work: | 15 |
| 4. Number of hours of directed self-study |  |
| Total student's workload | 30 |
| **ECTS points for course** | 1 |
| **Content of classes:**  |
| **Classes**1. Neurological examination and interpretation -5
2. Vascular diseases of CNS – 1.5h
3. CNS infections – 1.5h
4. Epilepsy -1.5h
5. Multiple sclerosis 1.5h
6. Neurodegenerative disorders: Parkinson disease, Alzheimer disease – 1.5h
7. Peripheral nerve disorders: polyneuropathy, motor neuron disease -1.5h
8. Muscle disorders (myopathy) and neuromuscular junction disorders (myasthenia gravis) -1h
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| **Basic literature**:1. Mattle H., Mumenthaler M. Findamentals of Neurology. Thieme, 2016
2. Burneo J., et al. Neurology. Springer, New York, 2011

**Additional literature and other materials:**1. Weiner H. L., Levitt L. P.: Neurology, William and Wilkins, 2008 |
| **Preliminary conditions:** Credits for previous subjects: human anatomy, physiology (I year), biochemistry (II year). |
| **Conditions to receive credit for the course:** During the oral credit the assessment includes: the knowledge of the issues, interpretation of the results, substantive and terminological mistakes. Each absence could be made up for the whole academic year during classes, and the teachers’ duties. The credit could be performed in the distance learning form according to the special Rector’s order. |
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|  | **Criteria for courses ending with a credit** |
| Credit | Oral credit – student recognizes symptoms of brain injury and cerebrovascular diseases, dementia and disorders of consciousness, neurological diseases which pose problems in dental practice, interprets the results of the neurological examination and auxiliary studies, does not make substantive and terminological mistakes. |
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| **Unit realizing the course:** | Department of Neurology Wroclaw Medical University |
| **Unit address:** | Borowska 213, 50-556 Wroclaw, Poland |
| **Telephone:** | +48717343100 |
| **E-Mail:** | slawomir.budrewicz@umed.wroc.pl |
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| **Person responsible for the course:** | Dr hab. Sławomir Budrewicz, Prof. UM |
| **Telephone:** | +48717343100 |
| **E-Mail:** | slawomir.budrewicz@umed.wroc.pl |
| **List of persons conducting specific classes:** |
| Name and surname | Degree/scientific or professional title | Discipline | Performed profession | Form of classes |
| Anna Pokryszko-Dragan | MD, PhD, post-doctoral, Prof. | medical sciences | physician | clinical classes |
| Magdalena Koszewicz | MD, PhD, post-doctoral | medical sciences | physician | clinical classes |
| Marta Nowakowska-Kotas | MD, PhD | medical sciences | physician | clinical classes |
| Mieszko Zagrajek | MD, PhD |  | physician | clinical classes |
| Ewa Koziorowska-Gawron | MD, PhD | medical sciences | physician | clinical classes |
| Justyna Chojdak-Łukasiewicz | MD, PhD | medical sciences | physician | clinical classes |
| Monika Służewska | MD, PhD |  | physician | clinical classes |
| Paulina Papier | Graduate student | medical sciences | physician | clinical classes |
| Jakub Ubysz | Graduate student | medical sciences | physician | clinical classes |
| Justyna Korbecka | Graduate student | medical sciences | physician | clinical classes |
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| **Date of Syllabus development**  | **Syllabus developed by**  |
| 26.06.2021…………………………………………..….. | Dr hab. Magdalena Koszewicz... |
| **Signature of Head(s) of teaching unit(s)** |
| ……………………………………………………… |

 **Dean’s signature** |
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