

### CURRICULUM OF THE COURSE

<b>Subject:</b>	Neurology 2	<b>Form of study:</b>	Full-time study
<b>Prerequisites:</b>	Neurology 1	<b>Study period:</b>	8. semester
<b>Study Programme:</b>	General medicine	<b>Range:</b>	2/4 hour/week
<b>Category:</b>	compulsory	<b>Credits:</b>	4
<b>Teaching form:</b>	lecture/practical lessons		
<b>Evaluation:</b>	exam		

Week	Lectures	Practical Lessons
1.	<p><b>12.2.2025</b></p> <p><b>Ischemic stroke.</b> Risk factors, clinical feature, diagnosis, therapy.</p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i></p>	<p><b>Ischemic stroke.</b> Risk factors, clinical feature, diagnosis, therapy.</p>
2.	<p><b>19.2.2025</b></p> <p><b>Brain haemorrhage, subarachnoid haemorrhage.</b> Risk factors, clinical feature, diagnosis, therapy.</p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i></p>	<p><b>Brain haemorrhage, subarachnoid haemorrhage.</b> Risk factors, clinical feature, diagnosis, therapy.</p>
3.	<p><b>26.2.2025</b></p> <p><b>Diseases of the spinal column.</b> Spinal column anatomy. Disc protrusion and prolaps, spondylartrosis. Root compression, cervical myelopathy. Clinical feature, diagnostic, differential diagnostic, treatment.</p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i></p>	<p><b>Diseases of the spinal column.</b> Spinal column anatomy. Disc protrusion, spondylartrosis. Root compression, cervical myelopathy. Clinical feature, diagnostic, differential diagnostic, treatment.</p>
4.	<p><b>5.3.2025</b></p> <p><b>Demyelinating diseases.</b> Multiple sclerosis, clinical feature, diagnostic, differential diagnostic, treatment. Other demyelinating diseases. <b>ADEM, NMO.</b></p> <p><i>prof. MUDr. Jarmila Szilasiová, PhD</i></p>	<p><b>Demyelinating diseases.</b> Multiple sclerosis, clinical feature, diagnostic, differential diagnostic, treatment. Other demyelinating diseases. <b>ADEM, NMO.</b></p>
5.	<p><b>12.3.2025</b></p> <p><b>Brain tumors.</b> Diagnosis, classification, diagnostic. Therapy. <b>Paraneoplastic disorders. Pseudotumor cerebri.</b></p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i></p>	<p><b>Brain tumors.</b> Diagnosis, classification, diagnostic. Therapy. <b>Paraneoplastic disorders. Pseudotumor cerebri.</b></p>
6.	<p><b>19.3.2025</b></p> <p><b>Epilepsy and seizures.</b> Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions.</p> <p><i>doc. MUDr. Eva Feketeová, PhD.</i></p>	<p><b>Epilepsy and seizures.</b> Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions.</p>
7.	<p><b>26.3.2025</b></p> <p><b>Diseases of extrapyramidal system.</b> Parkinson disease and Parkinson syndromes. Progressive supranuclear palsy, multisystem atrophy. M. Wilson. Dystonic syndromes. Huntington chorea, Chorea gravidarum.</p> <p><i>prof. MUDr. Matej Škorvánek, PhD.</i></p>	<p><b>Diseases of extrapyramidal system.</b> Parkinson disease and Parkinson syndromes. Progressive supranuclear palsy, multisystem atrophy. M. Wilson. Dystonic syndromes. Huntington chorea, Chorea gravidarum.</p>

8.	<p><b>2.4.2025</b></p> <p><b>Infections of the nervous system I.</b> Meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess.</p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc. , FESO, FEAN</i></p>	<p><b>Infections of the nervous system I.</b> Meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess.</p>
9.	<p><b>9.4.2025</b></p> <p><b>Infections of the nervous system II.</b> Poliomyelitis anterior acuta, herpes zoster. Prion diseases.</p> <p><b>Demyelinating polyneuropathies.</b> Acute demyelinating polyneuropathy (AIDP), Chronic demyelinating polyneuropathy (CIDP).</p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc. , FESO, FEAN</i></p>	<p><b>Infections of the nervous system II.</b> Poliomyelitis anterior acuta, herpes zoster. Prion diseases.</p> <p><b>Demyelinating polyneuropathies.</b> Acute demyelinating polyneuropathy (AIDP), Chronic demyelinating polyneuropathy (CIDP).</p>
10.	<p><b>16.4.2025</b></p> <p><b>Headache.</b> Classification. Migraine. Tension headache. Cluster headache. Trigeminal neuralgia. Temporal arteritis.</p> <p><i>MUDr. Milan Mareta, PhD</i></p>	<p><b>Headache.</b> Classification. Migraine. Tension headache. Cluster headache. Trigeminal neuralgia. Temporal arteritis</p>
11.	<p><b>23.4.2025</b></p> <p><b>TEST</b></p>	<p><b>EEG, EMG, Ultrasound, CT, MRI</b></p>
12.	<p><b>30.4.2025</b></p> <p><b>Muscle diseases.</b> Dystrophia musculorum progressiva, myotonia, paroxysmal myoplegia, myasthenia gravis, polymyositis and dermatomyositis.</p> <p><b>Diseases of the peripheral nervous system.</b> Motor neuron disease. Amyotrophic lateral sclerosis. Mononeuropathies, plexopathies</p> <p><i>prof. MUDr. Jarmila Szilasiová, PhD.</i></p>	<p><b>Muscle diseases.</b> Dystrophia musculorum progressiva, myotonia, paroxysmal myoplegia, myasthenia gravis, polymyositis and dermatomyositis.</p> <p><b>Diseases of the peripheral nervous system.</b> Motor neuron disease. Amyotrophic lateral sclerosis. Mononeuropathies, plexopathies</p>
13.	<p><b>7.5.2025</b></p> <p><b>Metabolic disorders of the nervous system.</b> Neurological complications of alcoholism, diabetes mellitus, anemia, kidney and liver diseases, thyreopathies and systemic disorders.</p> <p><i>prof. MUDr. Jarmila Szilasiová, PhD.</i></p>	<p><b>Metabolic disorders of the nervous system.</b> Neurological complications of alcoholism, diabetes mellitus, anemia, kidney and liver diseases, thyreopathies and systemic disorders.</p>
14.	<p><b>14.5.2025</b></p> <p><b>Differential diagnosis in neurology</b></p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc. , FESO, FEAN</i></p>	<p><b>Differential diagnosis in neurology</b></p>

### The conditions for passing the subject Neurology 2 are:

1. 100 % participation in practical exercises, can be replaced by maximum of 3 exercises.
2. Passing the ROGO test with a minimum of 60% achieved in the test.
3. **Attendance at the 9 lectures is mandatory.**
4. The condition for registering for the exam is the fulfillment of conditions 1-3.
5. Final exam is written test, for passing the test minimum is 60%. Second repeat exam is also the written test, 3 rd repeat exam is oral exam.

6. The condition for passing Neurology 2 is successful completion of the tests (1st and 2nd term) or oral exam (3rd term).

Students will be informed about the dates of exams continuously in the AIS system from April 18, 2024, each student is obliged to register 2 days in advance for the date of the exam.

Verification of technical compatibility and possibilities of connecting students to the ROGO system will be on 22.04.2025 from 7.00 AM to 07.00 PM. In case of technical problems the student contacts Ing. Vladislav Ondič (mail: [vladislav.ondic@upjs.sk](mailto:vladislav.ondic@upjs.sk)).

**Literature:**

Gdovinová Z., Szilasiová J.: Textbook of general neurology. Košice : Aprilla Ltd. for Hanzlúvka Books, 2009. 189 s. ISBN 9788089346158 (brož.).

Brust J.C.M.: Neurology. Current Diagnosis and treatment. Lange Medical Books/McGraw-Hill, 3<sup>rd</sup> edition, 2019. 624 pp. ISBN: 13: 978-1259835315, ISBN-10: 1259835316

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