

Univerzita Pavla Jozefa Šafárika v Košiciach, Lekárska fakulta  
**Neurologická klinika**

**SYLABUS**

<b>Subject:</b>	Neurology	<b>Form of study:</b> full- time
<b>Prerequisites:</b>	Internal medicine 2	<b>Semester:</b> 7. semester
<b>Study program:</b>	Dental medicine	<b>Number of hours:</b> 2 hours every other week
<b>Teaching formats:</b>	lectures/practical lessons	<b>Credits:</b> 2
<b>Evaluation:</b>	exam	

**Thursday (OTW) - 08:00 - 09:30**

Week	Lecture	Practical lessons
1.	<p><b>26.09.2024</b></p> <p><b>Neurology</b> - general considerations. History taking. Cranial nerves. General informations about upper and lower motor neuron, sensitivity, cerebellar syndromes. Disorders of stance and gait..</p> <p><i>doc. MUDr. Eva Feketeová, PhD.</i></p>	<p>Neurology - general considerations. History taking. Cranial nerves. General informations about upper and lower motor neuron, sensitivity, cerebellar syndromes. Disorders of stance and gait.</p>
2.	<p><b>10.10.2024</b></p> <p><b>Extrapyramidal syndromes</b> – hypertonic-hypokinetic, hypotonic-hyperkinetic. <b>Language</b> and higher cortical function. Physiological and anatomical considerations. Language disorders, brain lobes pathology. <b>Meningeal syndrom.</b> <b>Cerebrospinal fluid.</b> Intracranial hypertension, brain herniations.</p> <p><i>prof. MUDr. Matej Škorvánek, PhD.</i></p>	<p><b>Extrapyramidal syndromes</b> – hypertonic-hypokinetic, hypotonic-hyperkinetic. <b>Language</b> and higher cortical function. Physiological and anatomical considerations. Language disorders, brain lobes pathology. <b>Meningeal syndrom.</b> <b>Cerebrospinal fluid.</b> Intracranial hypertension, brain herniations.</p>
3.	<p><b>24.10.2024</b></p> <p><b>Ischemic stroke.</b> Risk factors, clinical feature, diagnosis, therapy. <b>Brain haemorrhage, subarachnoid haemorrhage.</b> Risk factors, clinical feature, diagnosis, therapy. <b>Brain tumors.</b> Classification, clinical feature, general and focal signs, diagnostic, therapy. Brain MTS</p> <p><i>MUDr. Milan Mareta, PhD.</i></p>	<p><b>Ischemic stroke.</b> Risk factors, clinical feature, diagnosis, therapy. <b>Brain haemorrhage, subarachnoid haemorrhage.</b> Risk factors, clinical feature, diagnosis, therapy. <b>Brain tumors.</b> Classification, clinical feature, general and focal signs, diagnostic, therapy. Brain MTS.</p>
4.	<p><b>07.11.2024</b></p> <p><b>Headache.</b> Classification, migraine, tension headache, cluster headache, other and secondary headaches. Diagnosis, differential diagnosis, therapy. <b>Cervikocranial syndrom.</b></p> <p><i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i></p>	<p><b>Head injury. Headache.</b> Classification, migraine, tension headache, cluster headache, other and secondary headaches. Diagnosis, differential diagnosis, therapy. <b>Cervikocranial syndrom.</b></p>
5.	<p><b>21.11.2024</b></p> <p>X-ray, EEG, Ultrasound of cerebral arteries, EMG, Evoked potentials, AG, CT, MRI. <b>Epilepsy and seizures.</b> Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions. <b>Head injury.</b></p> <p><i>prof. MUDr. Jarmila Szilasiová, PhD.</i></p>	<p>X-ray, EEG, Ultrasound of cerebral arteries, EMG, Evoked potentials, AG, CT, MRI. <b>Epilepsy and seizures.</b> Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions.</p>

6.	<p><b>05.12.2024</b></p> <p><b>Degenerative disorders</b> (Alzheimer disease, Parkinson disease) - relations with stomatological diseases. <b>Infectious disorders of the nervous system</b> – meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre.</p> <p><i>prof. MUDr. Matej Škorvánek, PhD.</i></p>	<p><b>Degenerative disorders (Alzheimer disease, Parkinson disease)</b> - relations with stomatological diseases. <b>Infectious disorders</b> of the nervous system – meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre.</p>
7.	<p><b>19.12.2024</b></p> <p><b>Demyelinating disorders - multiple sclerosis. Myasthenia gravis. Metabolic disorders.</b> Complications of diabetes mellitus, anemia, alcoholism, side effects of neurological therapy in oral cavity.</p> <p><i>prof. MUDr. Jarmila Szilasiová, PhD.</i></p>	<p><b>Demyelinating disorders - multiple sclerosis. Myasthenia gravis.</b> Metabolic disorders. Complications of diabetes mellitus, anemia, alcoholism, side effects of neurological therapy in oral cavity.</p>

### Conditions for passing the course:

1. Active participation in practical exercises.
2. Successful completion of the test, evaluation A – E (possibility to repeat the test 2 times).
3. Successful passing the final exam.

### 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, 2007. 601 pp. ISBN: 13: 978-0-07-110554-5, also 3d edition 2019, ISBN 978-1-259-83531-5, ISSN 1932-1074

Last modification: 12.09.2024