

Univerzita Pavla Jozefa Šafárika v Košiciach, Lekárska fakulta
Neurologická klinika

SYLABUS

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

THURSDAY (OTW - NEPÁRNY TÝŽDEŇ-) - 08:00 - 09:30

<i>Week</i>	<i>Lecture</i>	<i>Practical lessons</i>
1.	24.09.2026 Neurology - general considerations. History taking. Cranial nerves. General informations about upper and lower motor neuron, sensitivity, cerebellar syndromes. Disorders of stance and gait.. <i>doc. MUDr. Eva Feketeová, PhD.</i>	Neurology - general considerations. History taking. Cranial nerves. General informations about upper and lower motor neuron, sensitivity, cerebellar syndromes. Disorders of stance and gait.
2.	08.10.2026 Extrapyramidal syndromes – hypertonic-hypokinetic, hypotonic-hyperkinetic. Language and higher cortical function. Physiological and anatomical considerations. Language disorders, brain lobes pathology. Meningeal syndrom. Cerebrospinal fluid. Intracranial hypertension, brain herniations. <i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i>	Extrapyramidal syndromes – hypertonic-hypokinetic, hypotonic-hyperkinetic. Language and higher cortical function. Physiological and anatomical considerations. Language disorders, brain lobes pathology. Meningeal syndrom. Cerebrospinal fluid. Intracranial hypertension, brain herniations.
3.	22.10.2026 Headache. Classification, migraine, tension headache, cluster headache, other and secondary headaches. Diagnosis, differential diagnosis, therapy. Cervikocranial syndrom. <i>MUDr. Milan Mareta, PhD.</i>	Headache. Classification, migraine, tension headache, cluster headache, other and secondary headaches. Diagnosis, differential diagnosis, therapy. Cervikocranial syndrom.
4.	05.11.2026 Ischemic stroke. Risk factors, clinical feature, diagnosis, therapy. Brain haemorrhage, subarachnoid haemorrhage. Risk factors, clinical feature, diagnosis, therapy. Brain tumors. Classification, clinical feature, general and focal signs, diagnostic, therapy. Brain MTS <i>prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN</i>	Ischemic stroke. Risk factors, clinical feature, diagnosis, therapy. Brain haemorrhage, subarachnoid haemorrhage. Risk factors, clinical feature, diagnosis, therapy. Brain tumors. Classification, clinical feature, general and focal signs, diagnostic, therapy. Brain MTS.
5.	19.11.2026 X-ray, EEG, Ultrasound of cerebral arteries, EMG, Evoked potentials, AG, CT, MRI. Epilepsy and seizures. Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions. Head injury. <i>prof. MUDr. Jarmila Szilasiová, PhD.</i>	X-ray, EEG, Ultrasound of cerebral arteries, EMG, Evoked potentials, AG, CT, MRI. Epilepsy and seizures. Classification, generalized and partial seizures. Diagnostic, therapy. Febrile convulsions.

6.	03.12.2026 Demyelinating disorders - multiple sclerosis. Myasthenia gravis. Metabolic disorders. Complications of diabetes mellitus, anemia, alcoholism, side effects of neurological therapy in oral cavity. <i>prof. MUDr. Jarmila Szilasiová, PhD.</i>	Demyelinating disorders - multiple sclerosis. Myasthenia gravis. Metabolic disorders. Complications of diabetes mellitus, anemia, alcoholism, side effects of neurological therapy in oral cavity.
7.	17.12.2026 Degenerative disorders (Alzheimer disease, Parkinson disease) - relations with stomatological diseases. Infectious disorders of the nervous system – meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre. <i>prof. MUDr. Matej Škorvánek, PhD.</i>	Degenerative disorders (Alzheimer disease, Parkinson disease) - relations with stomatological diseases. Infectious disorders of the nervous system – meningitis, encephalitis. Neurosyphilis. Lyme disease. AIDS. Brain abscess. Polyradiculoneuritis Guillain-Barre.

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

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