

**Syllabus of neurology and neurophysiology courses within a bachelor programme “Physiotherapy” – foreign students (2<sup>nd</sup> Year) at 1<sup>st</sup> Department of Neurology Faculty of Medicine Masaryk University.**  
**Lectures in autumn term of a school year 2021/2022.**

- 1. Neurology and neurophysiology – the content of study. History in neurology. Reflexology, proprioceptive and exteroceptive reflexes.**  
14.09.2021 Ivona Morávková, MD
- 2. Cranial nerves I-XII, physiology, pathology. Bulbar and pseudobulbar syndrome.**  
21.09.2021 Jan Vinklárek, MD
- 3. DAY OFF**  
28.09.2021
- 4. Pyramidal syndrome, pathological reflexes in pyramidal tract, classification of pareses, main characteristics.**  
05.10.2021 Kateřina Bočková, MD
- 5. Extrapyramidal system, structure and functions, dyskinesia and dystonia, parkinsonian syndrome.**  
12.10.2021 Barbora Deutschová, MD
- 6. Sensory system, proprioception, exteroception, spinal cord syndromes, syndrome of transversal lesion of spinal cord, disorders of sensation, syndrome of spinal cord hemisection, syndrome of cauda equina.**  
19.10.2021 Barbora Deutschová, MD
- 7. Cerebellum, structure and functions. Paleocerebellar syndrome, neocerebellar syndrome. Disorders of consciousness, quantitative disorders of consciousness, scale of disorders of consciousness, quantitative disorders of consciousness. Structure and functions of meninges, hematoencephalic barrier, meningeal syndrome, syndrome of intracranial hypertension, hydrocephalus.**  
26.10.2021 Martina Mračková, MD
- 8. Structure and function of spine. Examination of spine, principles of manipulation therapy. Radicular syndromes, history, clinical signs, radicular syndromes on upper and lower extremities. Radicular vs pseudoradicular syndrome.**  
02.11.2021 Kateřina Bočková, MD
- 9. Symbolic functions and their disorders: disorders of speech, alexia, agraphia, acalculia, gnostic disorders, disorders of praxis.**  
09.11.2021 Tomáš Boušek, MD
- 10. Supplemental examination in neurology – imaging (X-ray, CT, MRI, ultrasound, SPECT, PET)**  
16.11.2021 Ivona Morávková, MD
- 11. Supplemental examination in neurology - neurophysiological (EEG, EMG, EP)**  
23.11.2021 Tomáš Boušek, MD

**12. Gait and stability disorders - spastic gait, cerebellar gait, gait in lesions of peripheral nerves and plexuses, differential diagnostics of gait disorders. Synkinesia, postural instability.**

30.11.2021

Jonáš Kunst, MD

**13. Examination algorithm in neurology, repetition of neurological examination**

07.12.2021

Kateřina Bočková, MD

**14. Credit test. (IS MU)**

14.12.2021

Eva Zatloukalová, MD

**The lectures take place in the Lecture room, building C1 – 6<sup>th</sup> floor in St. Anne's Faculty hospital, every Tuesday at 9:00 – 9:50.**