

**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 2016/2017.**

- 1. Neurology and neurophysiology – the content of study. History in neurology. Reflexology, proprioceptive and exteroceptive reflexes.**  
20.9.2016 Pavel Filip, MD
- 2. Cranial nerves I-XII, physiology, pathology. Bulbar and pseudobulbar syndrome.**  
27.9.2016 Kristína Saxunová, MD
- 3. Pyramidal syndrome, pathological reflexes in pyramidal tract, classification of pareses, main characteristics.**  
4.10.2016 Pavel Řehulka, MD
- 4. Extrapyramidal system, structure and functions, dyskinesia and dystonia, parkinsonian syndrome.**  
11.10.2016 Kristína Saxunová, MD
- 5. 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.**  
18.10.2016 Pavel Řehulka, MD
- 6. Cerebellum, structure and functions. Paleocerebellar syndrome, neocerebellar syndrome. Disorders of consciousness, quantitative disorders of consciousness, scale of disorders of consciousness, quantitative disorders of consciousness.**  
25.10.2016 Pavel Řehulka, MD
- 7. Structure and functions of meninges, hematoencephalic barrier, meningeal syndrome, syndrome of intracranial hypertension, hydrocephalus.**  
1.11.2016 Kristína Saxunová, 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.**  
8.11.2016 Jiří Bůžil, MD
- 9. Symbolic functions and their disorders: disorders of speech, alexia, agraphia, acalculia, gnostic disorders, disorders of praxis.**  
15.11.2016 Barbora Sklenářová, MD
- 10. Supplemental examination in neurology – imaging (X-ray, CT, MRI, ultrasound, SPECT, PET)**  
22.11.2016 Eva Pešlová, MD

**11. Supplemental examination in neurology - neurophysiological (EEG, EMG, EP)**

29.11.2016

Lucia Masárová, 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.**

6.12.2016

Rastislav Šumec, MD

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

13.12.2016

Rastislav Šumec, MD

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

20.12.2016

Rastislav Šumec, MD

**The lectures take place in the Lecture room, building B1 – 6<sup>th</sup> floor in St. Anne's Faculty hospital, every Tuesday at 9:45 – 10:30.**