

**Syllabus of Neurology and Neurophysiology for a “Physiotherapy programme”  
at 1<sup>st</sup> Department of Neurology,  
Masaryk University and St. Anne’s University Hospital  
Lectures of a summer term – school year 2019/20**

1.

**Parkinson's disease**

Signs and symptoms of Parkinson’s disease. Parkinsonian syndromes, differential diagnosis.

**Neurodegenerative disorders**

Spinocerebellar ataxias, amyotrophic lateral sclerosis. Differential diagnosis of gait disorders.

18.2.2020

MUDr. Deuschová

2.

**Infections of nervous systems**

Encephalitis, myelitis, meningitis. Brain and spinal cord abscess. Neuroborreliosis. Role of CSF examination in neurology, indications and contraindications of spinal tap.

25.2.2020

MUDr. Deuschová

3.

**Hyperkinesias and dystonias**

Phenomenology of hyperkinesias: tremor, chorea, balism, myoclonus, tics, torsion dystonia. Diagnostic and therapeutic approach of hyperkinetic disorders.

3.3.2020

MUDr. Morávková

4.

**Tumours of central nervous system**

Tumours of brain and meninges, symptomatology of expansive processes in cranium and spinal column.

10.3.2020

MUDr. Vinklárek

5.

**Neuropsychology**

Content of the field, diagnostics, scales, psychotherapy.

17.3.2020

PhDr. Goldemundová ?

6.

**Epilepsy and epileptic syndromes.**

Classification of epilepsies, clinical symptomatology of focal and generalized epileptic seizures, lifestyle of patients with epilepsy.

24.3.2020

MUDr. Deuschová

7.

**Acute Neurology I**

Stroke, brain hemorrhage, subarachnoid hemorrhage.

31.3.2020

MUDr. Bůřil

8.

**Acute Neurology II**

Neurotraumatology, brain concussion and contusion, status epilepticus, malign neuroleptic syndrome.

7.4.2020

MUDr. Deuschová

9.

**Differential diagnostic of back pain**

Radicular syndromes, radicular and pseudo radicular irritation, spinal cord lesion, sacroiliacal joint disorders.

14.4.2020

MUDr. Bůřil

10.

**Autoimmune disorders of central nerve system** Multiple sclerosis, pathophysiology, pathology, diagnostic and therapeutic approach. Neuromuscular junction disorders.

21.4.2020

MUDr. Bůřil

11.

**Headache**

Classification, pathophysiology, pathology, prevention and therapy. Treatment of migraine headache.

28.4.2020

MUDr. K. Bočková

12.

**Dementia**

Alzheimer's disease, vascular dementia, frontotemporal dementia, differential diagnosis and treatment of dementia.

5.5.2020

MUDr. Boušek

13.

**Examination of comatous patient**

Disorders of consciousness. Brain death.

**Disorders of Neural Plexi.**

Disease of plexus brachialis, diseases of plexus lumbosacralis. Clinical symptoms, neurophysiology. Tunnel syndromes.

12.5.2020

MUDr. Boušek

14.

**Děkanské volno**

19.5.2020

15.

**Polyneuropathy and polyneuritis**

Pathophysiology, pathology, and therapy of peripheral nerves. Role of EMG in diagnostic approach to peripheral nerves.

**Credit**

26.5.2020

MUDr. Vinklárek

**The lectures are held in Study room (building B1, 5 th floor)  
of 1<sup>st</sup> Department of Neurology, every Tuesday between 8:30-9:20 a.m.**