

## **Topics for final exam in neurology, faculty of dentistry, IV th year**

### **Cranial nerves**

Anatomy, physiology and pathophysiology of trigeminal nerve.  
Anatomy, physiology and pathophysiology of facial nerve. Bell's palsy.  
Clinical signs of damage of lower cranial nerves (IX-X-XI-XII.)

### **Motor system**

Examination of the motor system.  
Functional anatomy of the motor system.  
Control of voluntary movements. Regulation of muscle tone.  
Differentiation of central and peripheral palsy.

### **Sensory system**

Anatomy and physiology of sensory pathways.  
Sensory disturbances.  
Pain syndromes (trigeminal and glossopharyngeal neuralgia, symptomatic and atypical facial pain, postherpetic neuralgia, etc)

### **Disturbed consciousness, emergency in neurology**

Classification of conditions with disturbed consciousness.  
Emergency cases in neurology.  
Intensive care in neurological diseases.

### **Cerebrovascular disorders**

Classification of cerebrovascular diseases.  
Causes, clinical signs and diagnosis of cerebral circulatory disturbances.  
Principles of treatment of cerebrovascular diseases.

### **Epilepsy**

Classification of epilepsy  
Differential diagnosis of conditions with brief unconsciousness.  
Principles of treatment of epilepsy.

### **Movement disorders**

Parkinson syndrome and Parkinson's disease.  
Neurological disorders with hyperkinesias (dystonia, chorea, tremor)  
Principles of treatment of movement disorders.

### **Tumors and inflammatory diseases of the nervous system**

Symptoms, diagnosis and most frequent types of intracranial tumors.  
Infectious diseases of the nervous system (bacterial and viral meningitis, encephalitis, prion diseases).  
Symptoms, clinical subtypes and diagnosis of multiple sclerosis.

### **Peripheral nervous system**

Degenerative diseases of the vertebral column, and its neurological consequences.  
Disorders of the peripheral nerves (polyneuropathy, mononeuropathies).  
Myasthenia gravis.