**Общая неврология**

1. The cortex of the brain. Agnosia.
2. Principles of structural-functional organization of the nervous system.
3. The cortex of the brain. Aphasia.
4. Syndromes of lesion of the frontal lobe.
5. Syndromes of lesion of the temporal lobe.
6. Syndromes of lesion of the parietal lobe.
7. Pyramidal Tract. Central paralysis.
8. Syndromes lesions of the occipital lobes.
9. Pyramidal tract. Peripheral paralysis.
10. Proprioceptive tract.
11. Exteroceptive tract. Types of disorders of sensitivity.
12. Extrapyramidal system. Hyperkinetic disorders.
13. Extrapyramidal system. Anatomy, physiology, pathology. The syndrome of parkinsonism.
14. Extrapyramidal system. Neuro-motor dyskinesia. Classification, clinic.
15. Extrapyramidal system. Tics, hyperkinesis.
16. Coordination, diagnosis of various types of ataxias.
17. Pathology of the thalamus.
18. Thalamic syndrome.
19. The structure of the spinal cord. Syndrome lesions of the upper cervical segments.
20. Syndrome Brown- Séquard. Pathophysiology, clinics, diagnostics.
21. Clinical differences between peripheral and сentral paralysis.
22. Pathology of hypothalamic-limbic system.
23. Laboratory methods of research in neurology: EEG, angiography, electroneuromyography, CT, MRI, doppler ultrasonography, duplex scanning, PET, evoked potentials.
24. Pain. Classification of pain syndromes.
25. Lumbar puncture technique. Indications and contraindications to lumbar puncture.
26. The cerebrospinal fluid (composition in normal physiological state). Pathology of the composition of the cerebrospinal fluid.
27. Bulbar and pseudobulbar syndrome. Differential diagnosis.
28. Meningeal syndrome.
29. The syndrome of the cerebellopontine angle.
30. Syndromes of lesion of the medulla oblongata: Avellis’, Jackson’s, Wallenberg-Zakharchenko’s, Schmidt’s syndromes.
31. Syndromes of lesion of the midbrain: Parrino, Claude, Weber, Millard–Gubler.
32. Pathology of the accessory nerve.
33. Pathology glossopharyngeal and vagus nerves.
34. Pathology of the vestibulocochlear cranial nerve.
35. Pathology of the hypoglossal nerve.
36. Pathology of oculomotor nerve.
37. Pathology of the facial nerve.
38. Pathology of the optic nerve.
39. Lesions of the internal capsule.
40. The cortex of the brain. Apraxia.
41. Pathology of the olfactory nerve.
42. Innervation of the sphincters of the bladder and rectum. Pelvic disorders (Central and peripheral types).
43. The hypothalamus. Clinical manifestations of irritation and loss of its functions.
44. Criteria and clinical panic attacks.
45. The autonomic nervous system. A syndrome of progressive peripheral autonomic failure.
46. Syndrome lesions of the lumbar enlargement. Conus medullaris lesion, cauda equina lesion.
47. Lesion of the abducens nerve.
48. Lesion of the trochlear nerve.
49. Syndromes of brachial plexus lesion.
50. Auditory analyzer and its pathology.

**Частная неврология**

1. Chronic ischemia of the brain. Classification. Etiology, clinic, diagnostics, treatment
2. Ischemic stroke. Etiology, pathogenesis, clinic.
3. Subarachnoid hemorrhage. Etiology, pathogenesis, clinic.
4. Damage to the nervous system in AIDS.
5. General management of intacerebral haemorrhage.
6. TOAST diagnostic classification.
7. Multiple sclerosis. Etiology, pathogenesis, clinic, treatment.
8. Transient ischaemic attack. Clinic, diagnostics, treatment.
9. Back pain. Diagnosis, treatment.
10. Status epilepticus. Defenition, classification, treatment.
11. Polyneuropathy. Classification, etiology, pathogenesis, clinic.
12. Bell’s Palsy. Etiology, pathogenesis, clinic, treatment.
13. Trigeminal neuralgia. Etiology, pathogenesis, clinic, treatment.
14. Hepatolenticular degeneration (Wilson's Disease). Etiology, pathogenesis, clinic, treatment.
15. Tick-borne encephalitis. Etiology, pathogenesis, clinic, treatment, prophylaxis
16. Viral encephalitis. Etiology, pathogenesis, clinic, treatment.Acute disseminated encephalomyelitis. Diagnosis and treatment.
17. Acute disseminated encephalomyelitis. Diagnosis and treatment.
18. Myelitis. Etiology, pathogenesis, clinic, diagnostics.
19. Meningitis. Classification, clinic, treatment.
20. Classification of headache.
21. Series of epileptic seizures. Definition, management.
22. Emergency treatment of status epilepticus.
23. Classification of cognitive impairment. Diagnosis and treatment.
24. Principles of treatment of epilepsy.
25. International classification of epilepsy.
26. Lesion of the radial, radial, median nerve. Clinic, diagnosis.
27. Migraine. Clinic, diagnostics, treatment.
28. Clinic disorders of the peripheral nervous system. Syndromology.
29. Traumatic brain injury. Classification.
30. Subdural and epidural hematoma. Aetiology clinic, diagnosis, treatment.
31. The Thompson’s Myotonia.
32. Tumors of the brain. Clinic, classification, indications for surgical treatment.
33. The syndrome of intracranial hypertension. Etiology, clinic, treatment.
34. Disturbance of consciousness. Differential diagnosis of coma.
35. Vestibular syndrome. Clinic, diagnostics, treatment.
36. First aid for stroke.
37. Alcoholic polyneuropathy. Clinic, differential diagnostics, treatment.
38. Myasthenia gravis. Treatment of myasthenic status.
39. Spinal muscular atrophy. Classification, clinic.
40. The primary lesion of the nervous system in HIV infection.
41. Basic treatment of ischemic stroke.
42. Myopathy. Classification, clinic, treatment.
43. Duchenne muscular dystrophy. Clinic, the prognosis.
44. Amyotrophic lateral sclerosis. Clinic, prognosis, treatment.
45. Epilepsy. Generalized and focal epilepsy.
46. Diagnosis of polio. Poliomyelitis and poliomyelitis-like diseases.
47. Parkinson's disease. Pathogenesis, clinic, diagnosis and treatment.
48. Alzheimer's disease. Clinic, diagnosis, treatment.
49. Tourette's disease. Clinic, diagnosis, treatment.
50. Tumors of the pituitary gland. Clinic, diagnosis, treatment.