

QUESTIONS FOR THE SECOND MODULE CONTROL ON NEUROLOGY

Module 2. SPECIAL NEUROLOGY:

Content module 3: Vascular diseases of the brain and spinal cord, paroxysmal status, cephalgia, sleep disturbances, neurointoxication. Traumatic affections of the central nervous system.

1. The blood supply of the brain and spinal cord.
2. Classification of vascular diseases of the nervous system.
3. Types of the cerebral vascular crises.
4. Syndromes of the manifestations of transient ischemic attacks.
5. Transient disturbances of cerebral circulation.
6. Hemorrhagic stroke (parenchymatous and subarachnoid hemorrhage).
7. Ischemic (thrombotic and non-thrombotic) strokes.
8. The principles non-differentiated and differentiated treatment of strokes.
9. Spinal strokes.
10. Prevention of stroke.
11. Modern classification of the paroxysmal states in the clinic of nervous diseases.
12. Pathogenetic essence of the epilepsy, the classification of epileptic seizures, principles of the differentiated treatment.
13. Epileptic's status, clinic, diagnosis, treatment.
14. Non-epileptic paroxysmal statuses - convulsive and non-convulsive.
15. Vegetative-vascular paroxysms.
16. Syncopal statuses.
17. Cephalgia-pathogenic mechanisms of development, clinic, diagnosis, treatment.
18. Migraine: pathogenesis, clinic, treatment.
19. Insomnia and hypersomnia.
20. The main clinical syndromes and the principles of treatment in the case of exogenous intoxications.
21. The stages of the defeat of the nervous system in acute and chronic radiation sickness.
22. Vibration disease.
23. Closed craniocerebral injury, concussion, contusion, compression of the brain. Emergency assistance.
24. Spinal injury.
25. Classification, the syndromes of manifestations of tumors of the brain and spinal cord. Changes of the cerebrospinal fluid.
26. Brain abscesses, clinical syndromes, differential diagnosis.

Content module 4. Infectious, infectious-allergic, demyelinating and parasitic diseases of the nervous system, prion infection, neuroborreliosis. Amyotrophic lateral sclerosis.

1. Meningitis (purulent – primary and secondary; serous).
2. Arachnoiditis (adhesive, cystous, basal, convexital).
3. Encephalitis (primary, secondary).
4. Lesions of the nervous system in influenza, rheumatism. Herpes destructions.
5. Poliomyelitis (clinical forms, stages, diagnosis, treatment, and prevention).
6. Acute myelitis.
7. Amyotrophic lateral sclerosis.
8. Neurosyphilis, early and late forms.
9. Neurological disorders in polymyositis-dermatomyositis.
10. The defeat of the nervous system in the presence of HIV-infection.
11. Tuberculosis of the nervous system.

12. The multiple sclerosis (etiopathogenesis, course, clinic, modern methods of treatment).
13. Parasitic diseases of the nervous system (treponematoses, echinococcosis, toxoplasmosis).
14. Prion infection. Neuroborreliosis.

Content module 5. Diseases of the peripheral nervous system, perinatale lesions of the nervous system, somatoneurological syndromes. Hereditary diseases of the nervous system, congenital defects of the spine and spinal cord. Medicines, which are used in neurology.

1. Classification of the diseases of the peripheral nervous system.
2. Reflex vertebrogenic syndromes of cervical, thoracic, lumbar levels.
3. Radicular syndromes of cervical, thoracic, lumbar localization.
4. Neuralgia of the trigeminal nerve.
5. Neuropathy of the facial nerve.
6. Types of the brachial plexopathy.
7. Neuropathy of the ulnar, radial, median, fibular, tibial nerves.
8. Compressive-ischemic syndromes. Tunnel syndromes.
9. Polyneuropathy (infectious, toxic), modern methods of treatment.
10. Hypoxic-ischemic encephalopathy.
11. Children's cerebral paralysis, clinic types, treatment.
12. Somatoneurological syndromes in diseases of the digestive tract, lung, cardio-vascular system, blood, endocrine diseases. Paraneoplastic syndrome.
13. Progressive muscle dystrophy-primary (myopathy), and secondary (amyotrophy).
14. Myotonia.
15. Myasthenia gravis. Myasthenic syndromes. Paroxysmal myoplegia.
16. Hepathocerebral degeneration – Konovalova-Wilson's disease.
17. Huntington's disease.
18. Modern biochemical aspects of Parkinson's disease and its treatment.
19. Muscular dystonia.
20. Spinal-cerebellar ataxia. Hereditary Friedreich's ataxia.
21. Hereditary spastic paraplegia. Strumpell's disease.
22. Cranio-vertebral abnormalities.
23. Syringomyelia (etiopathogenesis, clinic, diagnosis, treatment).
24. Group of medicines used in neurology.