

BELORUSSIAN STATE MEDICAL UNIVERSITY
DEPARTMENT OF NEUROLOGY AND NEUROSURGERY
EXAMINATION QUESTIONS

1. Neurological and Neurosurgical services. History of Neurology and neurosurgery.
2. Disorders of pyramidal system and voluntary movements.
3. Disturbances of reflexes.
4. Sensory disorders.
5. Syndromes of the cervical part of the spinal cord lesions.
6. Syndromes of the thoracic part of the spinal cord lesions.
7. Syndromes of the lumbar part of the spinal cord lesions.
8. Syndromes of cauda equina and sacral part of the spinal cord lesions.
9. Disorders of smell.
10. Visual disturbances.
11. III, IV, VI cranial nerves disorders.
12. Disorders of trigeminal nerve.
13. Facial nerve disorders.
14. VIII cranial nerve disorders.
15. IX, X and XI cranial nerves and their disorders.
16. Disorders of motor coordination. Ataxia.
17. Extra-pyramidal disorders.
18. Internal capsule lesion syndromes.
19. Thalamic syndrome.
20. Hypothalamic syndrome.
21. Disorders of limbic-reticular system.
22. Syndrome of hypothalamic-pituitary region lesions.
23. Syndrome of vegetative dystonia (somatoform disorders).
24. Bladder and bowel dysfunctions of neurological origin.
25. Cerebrospinal fluid abnormalities.
26. Syndrome of intracranial hypertension.
27. Meningeal syndrome.
28. Lumbar puncture and CSF examination. Diagnostic value. Indications, contraindications, complications.
29. Speech disorders.
30. Higher mental functions disorders.

31. Frontal lobe lesion syndromes.
32. Parietal lobe lesion syndromes.
33. Temporal lobe lesion syndromes.
34. Occipital lobe lesion syndromes.
35. Syndrome of cerebral pons lesions.
36. Syndromes of medulla oblongata lesions.
37. Syndromes of brachial plexus lesions.
38. Syndromes of radial, ulnar and median nerves lesions.
39. Syndromes of lumbar and sacral plexus lesions.
40. Syndromes of feet nerves lesions.
41. Disorders of consciousness. Glasgow coma scale. Variants of comatose states. Vegetative state. Differential diagnosis of comatose states.
42. Diagnostic value of skull radiography.
43. Ultrasound dopplerography. Cerebral angiography. Diagnostic value.
44. Diagnostic value of electroencephalography.
45. Diagnostic value of electroneuromyography.
46. Spine radiography. Myelography. Diagnostic value.
47. Computer tomography and magnetic resonance imagination of the brain. Diagnostic value.
48. Cerebral blood supply, symptoms of circulatory disorders in the carotid and vertebral-basilar systems.
49. Blood supply of the spinal cord, symptoms of circulatory disorders.
50. Classification of cerebrovascular disorders. Transient ischemic attack.
51. Classification of cerebrovascular disorders. Acute hypertensive encephalopathy.
52. Ischemic stroke.
53. Lacunar stroke.
54. Hemorrhagic stroke.
55. Non-traumatic intracranial hemorrhages (cerebral arterial aneurisms).
56. Vascular dementia.
57. Cerebral palsy. Perinatal encephalopathy. Intracranial birth trauma.
58. Classification of meningitis.
59. Purulent meningitis, meningococcal meningitis.
60. Serous meningitis. Enteroviral meningitis, mumps meningitis.
61. Tuberculous meningitis.
62. Secondary purulent meningitis. Otogenic meningitis. Complications.

63. Para-infectious encephalitis (measles, chickenpox, rubella, mumps).
64. Encephalitis, classification.
65. Tick borne encephalitis.
66. HIV, neurological complications.
67. Herpetic encephalitis
68. Brain abscess.
69. Myelitis.
70. Poliomyelitis.
71. Spinal epiduritis, abscess.
72. Neurosyphilis.
73. Acute disseminating encephalomyelitis.
74. Multiple sclerosis.
75. Acute inflammatory demyelinating polyradiculoneuropathies Guillain-Barre.
76. Amyotrophic lateral sclerosis.
77. Syringomyelia.
78. Epilepsy. Differential diagnosis of seizures. Management of single seizure.
79. Epilepsy: conservative and surgical treatment.
80. Epileptic status. Management of epileptic status.
81. Migraine.
82. Tension type headache.
83. Trigeminal neuralgia. Conservative and surgical treatment.
84. Facial nerve neuropathy.
85. Classification of peripheral nervous system disorders. Compression-ischemic (entrapment) neuropathies.
86. Classification of vertebrogenic disorders of the nervous system. Vertebrogenic chest pain.
87. Vertebrogenic cervical pain syndromes and radiculopathy.
88. Lumbago, sciatica.
89. Discogenic lumbo-sacral radiculopathy.
90. Intercostal neuropathy. Herpes zoster.
91. Traumatic lesions of peripheral nerves.
92. Polyneuropathy classification.
93. Diabetic polyneuropathy.
94. Alcoholic polyneuropathy.
95. Parkinson's disease.

96. Essential tremor. Torsion dystonia.
97. Myodystrophy Duchenne, Dejerine-Landuzi, Erb-Roth.
98. Myasthenia.
99. Myotonia. Paroxizmal myoplegia.
100. Spinal and neural amyotrophy Werdnig-Hoffman, Kugelberg-Welander, Charcot-Marie.
101. Familial spastic paraplegia. Spinal-cerebellar degenerations.
102. Hepatolenticular degeneration. Huntington's chorea.
103. Radiation lesions of the brain.
104. Brain dislocation.
105. Traumatic brain injury classification.
106. Concussion of the brain.
107. Diffuse axonal brain injury.
108. Depressed skull fractures.
109. Traumatic subdural hematomas.
110. Traumatic epidural hematoma.
111. Traumatic brain injury in elderly patients and patients with concomitant alcohol intoxication.
112. Examination of patients with traumatic brain injury.
113. Severe traumatic brain injuries.
114. Traumatic brain injury complications and consequences.
115. Traumatic lesions of brachial plexus.
116. Classification of traumatic spinal cord lesions. Spinal cord contusions.
117. Spinal cord injury (concussion and contusion).
118. Traumatic spinal cord compression.
119. Examination of patients with traumatic spinal cord lesions.
120. Brain tumors classification. Tumors of brain hemispheres.
121. Brain tumors classification. Subtentorial brain tumors.
122. Brain tumors classification. Supratentorial brain tumors.
123. Frontal lobe tumors.
124. Temporal lobe tumors.
125. Tumors of pituitary region.
126. Cerebellar tumors.
127. Metastatic lesions of the CNS.
128. Examination of patient with brain tumor.
129. Spinal cord tumors. Intra-medullar tumors.

130. Spinal cord tumors. Extra-medullar tumors.
131. Cerebral arterial-venous malformations.
132. Carotid-cavernous fistula.
133. Non-traumatic intracranial hemorrhage. Surgical approach.
134. Classification of spinal cord tumor. Extra medullar tumors.

**Заведующий кафедрой,
д.м.н., профессор**



А.С. Федулов