

Portal:Questions for the Final Examination in Neurosurgery (1LF, GM)

1. Intracranial metastases. Indications.
2. Intracranial meningiomas
3. Brain ischemia. Cause, therapy modalities.
4. Spontaneous intracerebral hemorrhage in adults
5. Intracranial aneurysm: treatment modalities
6. Subarachnoid hemorrhage: aneurysm and AVM - clinical signs and management
7. Inflammatory intracranial diseases (bacterial meningitis, brain abscess)
8. Cranial fractures. CSF leakage. Carotid-cavernous fistula.
9. Spinal cord traumatic syndromes
10. Principles of stereotactic surgery, indications (extrapyramidal diseases)
11. Peripheral nerves injury: classification, nerve regeneration, timing
12. Surgery of pain
13. Gamma knife - principles and indications
14. Prevention of secondary spinal cord damage. Indications for urgent decompression.
15. Peripheral nerves entrapment syndromes. Peripheral nerves tumors.
16. Cervical spine degeneration, its consequences for neural structures. Indications.
17. Trigeminal neuralgia. Clinical signs, therapy.
18. Gliomas (classification, symptoms, diagnosis, therapy)
19. Surgical approaches to the brain and spinal cord
20. Brain edema: types, therapy
21. Extradural (epidural) hematoma
22. Diffuse brain injury: concussion and diffuse axonal injury
23. Acute and chronic subdural hematoma
24. Brain herniation syndromes
25. Injury of lower extremity nerves: clinical signs
26. Tumors of the 4th ventricle and cerebellum in adults (glioma, ependymoma, hemangioblastoma)
27. Congenital anomalies (Chiari malformation, craniosynostosis, meningocele, encephalo/myelo-meningocele)
28. Injury of upper extremity peripheral nerves: clinical signs
29. Degeneration of lumbar spine. Signs, indications
30. Infratentorial tumors in childhood
31. Cauda equina tumors. Clinical signs, diagnostics
32. Brain contusion and traumatic intracerebral hemorrhage
33. Spinal tumors. Classification, clinical signs, indications
34. Injury of spine and spinal cord
35. Principles of epilepsy surgery
36. Acoustic neuroma
37. Classification of closed brain injury
38. Hydrocephalus. Classification, symptoms, diagnostics, therapy
39. Sellar region tumors
40. Consciousness, evaluation
41. Lumbar radicular syndromes. Neurogenic claudications. Cauda equina syndrome
42. Cervical radicular syndromes. Cervical myelopathy.