

REFERATS TOPICS ON NEUROLOGY AND NEUROSURGERY FOR 4 CORSES STUDENTS OF THE MEDICAL FACULTY FOR THE 8 SEMESTER

1. Meningococcal meningitis. Etiology, pathogenesis, symptoms, diagnosis, differential diagnosis, complications, treatment.
2. Enteroviral, parotitic meningitis: etiology, pathogenesis, symptoms, diagnosis, treatment.
3. Tuberculous meningitis. Etiology, pathogenesis, symptoms, diagnosis, complications, treatment.
4. Herpetic encephalitis. Etiology, pathogenesis, symptoms, diagnosis, treatment.
5. Tick-borne encephalitis: eastern and western variants. Etiology, pathogenesis, symptoms, diagnosis, treatment, prevention.
6. Epidemic encephalitis Economo. Etiology, pathogenesis, symptoms, diagnosis, treatment.
7. Poliomyelitis. Etiology, pathogenesis, symptoms, diagnosis, treatment.
8. Lesions of the nervous system in syphilis. Classification, symptoms, diagnosis, treatment.
9. Damage of the nervous system in HIV infection, pathogenesis, symptoms, diagnosis, treatment.
10. Creutzfeldt-Jacob disease. Etiology, pathogenesis, clinic, diagnosis, treatment.
11. Neuroborreliosis. Etiology, pathogenesis, stages, symptoms, diagnosis, treatment, prevention.
12. Transient ischemic attack, acute hypertensive crisis, transient global amnesia and acute hypertensive encephalopathy. Etiology, pathogenesis, symptoms, diagnosis, treatment.
13. Cerebral infarction. Etiology, risk factors, pathogenetic types (atherotrombotic, cardioembolic, hemodynamic, lacunar, hemorheologic).
14. Intracerebral hemorrhage. Etiology, pathogenesis, symptoms, diagnosis, drug therapy, surgical treatment.
15. Subarachnoid non-traumatic hemorrhage. Etiology, pathogenesis, symptoms, diagnosis, treatment. Indications for surgical treatment.
16. Spinal blood supply disorders: classification, clinical courses, diagnosis, treatment.
17. Multiple sclerosis. Etiology, pathogenesis, symptoms, diagnosis, diagnostic criteria of McDonald, differential diagnosis
18. Acute disseminated encephalomyelitis. Etiology, pathogenesis, symptoms, diagnosis, treatment.
19. Parkinson's disease and parkinsonism syndrome. Etiology, pathogenesis, clinic, diagnosis. Drug therapy (principles of prescription and groups of drugs) and surgical treatment.
20. Myasthenia. Etiology, pathogenesis, classification, symptoms, diagnosis, differential diagnosis, treatment.
21. Myasthenic and cholinergic crises, symptoms, emergency care.
22. Amyotrophic lateral sclerosis. Etiology, pathogenesis, symptoms, diagnosis, treatment.
23. Alzheimer's disease. Etiology, pathogenesis, clinic, diagnosis, treatment, prevention.
24. Syringomyelia. Etiology, pathogenesis, symptoms, diagnosis, treatment.
25. Huntington's disease. Etiology, clinic, diagnosis, treatment.
26. Wilson disease. Etiology, pathogenesis, clinic, diagnosis, treatment.
27. Duchenne's myodystrophy. Etiology, pathogenesis, symptoms, diagnosis, treatment.
28. Limb girdle Erb's muscular dystrophy. Distal muscular dystrophy with the late onset (Welander type).
29. Spinal amyotrophy of childhood: types, clinic, diagnosis, treatment.
30. Hereditary polyneuropathy: classification, clinic, diagnosis, therapy.
31. Myotonia congenital. Etiology, pathogenesis, clinic, diagnosis, treatment.
32. Hereditary spastic paraplegia (Strumpell disease). Etiology, pathogenesis, clinic, diagnosis, treatment.
33. Spinocerebellar ataxia. Clinic, diagnosis, treatment.
34. Friedreich's disease. Etiology, clinic, diagnosis, treatment.
35. Acute inflammatory demyelinating polyradiculoneuropathy Guillain – Barré. Etiology, pathogenesis, symptoms, diagnosis, treatment.
36. Chronic inflammatory demyelinating polyradiculoneuropathy. Etiology, pathogenesis, symptoms, diagnosis, treatment.
37. Diphtheritic polyneuropathy. Etiology, pathogenesis, symptoms, diagnosis, treatment.
38. Diabetic polyneuropathy. Pathogenesis, symptoms, diagnosis, treatment.
39. Alcoholic polyneuropathy. Pathogenesis, symptoms, diagnosis, treatment.
40. Compression ischemic mononeuropathies of the median, ulnar, radial, femoral, sciatic, peroneal, tibial nerves: etiology, symptoms, diagnosing, treatment, prevention.
41. Epilepsy. Epidemiology, classification, etiology, pathogenesis. Classification of epileptic seizures. Symptoms of focal and generalized epileptic seizures.
42. Status epilepticus. Emergency care for epileptic seizure and status.

43. Migraine. Pathogenesis, classification, clinic, diagnosis, treatment, prevention.
44. Tension headache. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment and prevention.
45. Cluster headache. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment and prevention.
46. Trigeminal neuralgia. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment. Surgical treatment and its types.
47. Mild traumatic brain injury: concussion and contusion of the brain. Clinic, diagnosis, treatment.
48. The moderate traumatic brain injury. Clinic, diagnosis, treatment.
49. Severe traumatic brain injury. Clinic, diagnosis, treatment.
50. Intracranial traumatic hemorrhages. Clinic, diagnosis, methods of surgical treatment.
51. Peculiarities of the traumatic brain injury in children, elderly and old ages and injuries due to alcohol intoxication.
52. Prevalence, mechanisms, classification, pathogenesis of spinal cord injury. Diagnosis of the level and degree of the spinal cord lesion (concussion, contusion, compression). The principles of conservative and surgical treatment.
53. Complications and sequelae of the traumatic brain and spinal cord injury. Emergency care and transportation of the patients. The principles of rehabilitation.
54. Carotid-cavernous anastomosis. Etiology, symptoms, diagnosis, treatment.
55. Cerebral aneurysms. Etiology, symptoms, diagnosis, surgical treatment.
56. Arteriovenous malformations. Symptoms, diagnosis, surgical treatment.