

Exam questions/ sub-issues in Narcology

For MD students

1. Bio-psycho-social aspects of addiction
2. Neurobiological mechanisms of addiction
3. Etiology and pathogenesis of addiction development
4. Diseases due to consumption of psychoactive substances; main narcology symptoms and syndromes
5. Basic principles of addiction and individual characteristics of substances by classes
6. Nature of addiction, its biological and spiritual origins
7. Classification of psychoactive substances; methods and means of use of psychoactive substances
8. Neuronal mechanisms of psychoactive substances action - intracellular cascades; tolerance and formation of dependence
9. Neurobiological mechanisms of drug use and dependence - rewarding system and dependence; neurobiology of relaps
10. Paraclinical researches in narcology (EEG, evoked potentials, sleep polygraphy) and their significance
11. Nonmedicamentose treatment (electrical stimulation, magnetic stimulation) and their significance
12. Mental and behavioral disorders caused by alcohol abuse
13. Types of alcohol intoxication
14. Classification of alcoholism
15. Stages of alcohol dependence
16. Main complications of alcohol dependence
17. Emergency care for acute alcohol intoxication
18. Principles of treatment and rehabilitation of alcohol dependence
19. Classification of alcoholic psychoses
20. Clinic of alcoholic psychoses
21. Mental and behavioral disorders caused by opioid abuse
22. Determination (definition) of opiates and opioids
23. Mechanisms of the effects of opioids on the central nervous system (CNS)
24. Mechanisms for the development of dependence on opioids
25. Intoxication caused by the use of opioids
26. Dependence and withdrawal status
27. Opioid intoxication
28. Intoxication phases and characteristics of addiction
29. Emergency care for acute poisoning (overdose) with opioids
30. Stages of addiction, complications
31. Methods of treatment of drug addiction
32. The essence and principles of methadone substitution therapy
33. Mental and behavioral disorders caused by the abuse of sedatives and hypnotics
34. Features of acute intoxication with sedatives and hypnotics
35. Phases of intoxication with sedatives and hypnotics
36. Emergency help in case of overdose with sedatives and hypnotics
37. Clinic and treatment of acute intoxication caused by benzodiazepines and barbiturates
38. Stages of addiction and complications; features of treatment
39. Mental and behavioral disorders caused by the abuse of central nervous system stimulants

40. Acute intoxication with cocaine, intoxication phases; the stages of cocaine addiction
41. The use and abuse of amphetamines and methamphetamines
42. Main effects of caffeine consumption, dependence
43. Nicotine addiction and its treatment
44. Acute intoxication caused by the use of Ecstasy, complications; principles of treatment
45. Methods of cannabinoids consuming, basic preparations; mechanism of cannabinoid action
46. Intoxication caused by the consumption of cannabinoids
47. Emergency care for acute poisoning with cannabinoids
48. Stages of cannabinoid dependence development, complications, treatment methods
49. Mental and behavioral disorders caused by abuse of hallucinogens
50. Main forms and methods of hallucinogens consumption
51. Mechanism of action and pharmacodynamics of LSD, phencyclidine and similar hallucinogens; Acute intoxication, intoxication phases, emergency care in case of overdose
52. Mental and behavioral disorders caused by abuse of volatile solvents (inhalants), clinical features and emergency care,
53. Features of dependence and withdrawal syndrome, treatment and rehabilitation features
54. New psychoactive substances, the dangerous consequences of their use, symptoms of intoxication, principles of treatment
55. Rehabilitation and recovery
56. Relaps prevention
57. Harm reduction principles
58. Maintenance therapy
59. The therapeutic community