

## **A list of questions to final module control**

1. Evidence-based medicine: fundamental principles.
  2. Classification of lipid-lowering drugs.
  3. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications for the prescription of statins.
  4. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to fibrate.
  5. Omega – 3 – polyunsaturated fatty acids. The mechanism of action. Features of the application.
  6. Classification of dyslipidemias. Differentiated approach to the use of lipid-lowering drugs.
  7. The group of drugs relating to anti-anginal and antisemic funds.
  8. The mechanism of action, pharmacological effects, indications and contraindications to nitrates.
  9. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to beta – blockers.
  10. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to calcium channel blockers.
  11. Classification of calcium channel blockers. Features of the application. Dosage.
  12. Classification of beta – blockers. Features of the application. Dosage.
  13. Antiagregant drugs. Classification. The mechanisms of action. Methods of dosing.
  14. Thrombolytic means. Indications and contraindications to thrombolysis. The appointment scheme.
  15. Anticoagulants. Classification. The mechanisms of action. Side effects.
  16. Classification of antihypertensive drugs.
  17. Differentiated approach to the appointment of antihypertensive therapy in the presence of concomitant diseases (diabetes mellitus, bronchial asthma, pregnancy, old age, pheochromocytoma, etc.)
  18. The mechanism of antihypertensive action, pharmacological effects, side effects in the appointment of calcium antagonists. Dosage.
  19. The mechanism of antihypertensive action, pharmacological effects, side effects when prescribing beta – blockers. Dosage.
  20. The mechanism of antihypertensive action, pharmacological effects, indications and contraindications, side effects when prescribing angiotensin – converting enzyme. Dosage
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21. The mechanism of antihypertensive action, pharmacological effects, indications and contraindications, side effects when prescribing receptor antagonists of angiotensin II. Dosage.
22. Principles of combined use of antihypertensive agents.
23. Classification of antiarrhythmic drugs.
24. Differentiated approach to the appointment of antiarrhythmic agents.
25. Classification of cardiac glycosides. Dosage.
26. Cardiac effects of cardiac glycosides.
27. Indications for cardiac glycosides.
28. Clinical and ECG signs of cardiac toxicity glycosides.
29. Unglycosidic inotropic drugs. The indications for prescribing.
30. Classification of diuretics.
31. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to loop diuretics.
32. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to thiazide diuretics and tiazidopodobnye. Dosage.
33. The mechanism of action and pharmacological effects of diuretics kalisberegausee. Indications and contraindications for use. Dosing regimen.
34. Differentiated approach to the choice of diuretic drug based on the presence of comorbidities (the effects on lipid and carbohydrate metabolism).
35. The classification of drugs that affect the bronchial patency.
36. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to the appointment of  $\beta_2$ -antagonists short-acting. Dosage.
37. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to the appointment of  $\beta_2$ -antagonists long-acting. Dosage.
38. Methylxanthines mechanism of action, pharmacological effects, side effects. Dosage.
39. The corticosteroids. The advantages of using inhaled drugs. Dosing regimen.
40. Side effects that occur with prolonged use of glucocorticoids.
41. Cancellation of glucocorticoids.
42. Antitussive drugs. The mechanisms of action. Dosing regimens.
43. Interaction of medicines
44. Kinds of side effects.
45. Classification non-steroidal anti-inflammatory drugs.
46. Mechanisms of action, pharmacological properties of nonsteroidal anti-inflammatory drugs.

47. Indications and contraindications. Side effects when using NSAIDs.
48. Dose regimens of nonsteroidal anti-inflammatory drugs.
49. The most frequent mistakes in the use of antibacterial drugs.
50. Allergic reaction to the introduction of antibacterial agents. Clinical manifestations.
51. Classification. Spectrum of activity. The mechanism of action. Features of application of penicillins. Dosage.
52. Classification. Spectrum of activity. The mechanism of action. Especially the use of cephalosporins. Dosage.
53. Classification. Spectrum of activity. The mechanism of action. Application features carbapenemam. Dosage.
54. Classification. Spectrum of activity. The mechanism of action. Especially the use of aminoglycosides. Dosage.
55. Classification. Spectrum of activity. The mechanism of action. Especially the use of fluoroquinolones. Dosage.
56. Classification. Spectrum of activity. The mechanism of action. Application features macrolet. Dosage.
57. A means of stimulating the motor function of the gastrointestinal tract. Classification macrolidis.
58. The mechanism of action, pharmacokinetics and pharmacodynamics, indications for use of selective blockers of dopamine receptors. Dosage.
59. Clinico-pharmacological characteristics of oppressive motor-evacuation function of the gastrointestinal tract – loperamide. Dosage.
60. Funds from spasmolytic activity, mechanisms of action, pharmacological properties, indications, contraindications, dosage.
61. Drugs with antisecretory activity.
62. Classification, mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to the prescription of proton pump inhibitors. Dosage.
63. Classification, mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to prescription of H<sub>2</sub> – blockers of histamine receptors. Dosage.
64. The mechanism of action of antacids. Pharmacological properties. Dosage.
65. Cytoprotector. Pharmacological characteristics. Dosage.
66. Hepatoprotectors. Classification. The mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to the appointment. Dosage.
67. Pancreatic enzymes. Pharmacological characteristics. Indications for use. Side effects. The dosage.

- 68.** Complications of drug therapy.
- 69.** Classification, mechanism of action, pharmacokinetics and pharmacodynamics, indications and contraindications to the appointment of antiallergic agents. Dosage.
- 70.** The pharmacogenetics and pharmacogenomics.