

Preparations with influence on the respiratory system and antiallergic

1. Determine the indications for antitussive drugs.
2. Determine the pharmacodynamic effects of acetylcysteine.
3. Determine beta-adrenomimetics as ultralong-acting bronchodilators.
4. Determine the therapeutic benefits of beta-adrenomimetics in bronchial asthma.
5. Determine the side effects of inhaled beta-adrenomimetics.
6. Determine M-cholinoblockers as ultralong-acting bronchodilators.
7. Determine the therapeutic benefit of M-cholinoblockers in bronchial asthma.
8. Determine the indications of M-cholinoblockers as bronchodilators.
9. Determine the inhaled glucocorticoids used in bronchial asthma .
10. Determine the therapeutic benefit of glucocorticoids in bronchial asthma.
11. Determine the side effects of inhaled glucocorticoids as bronchodilators.
12. Determine the therapeutic benefit of methylxanthines in bronchial asthma.
13. Determine the adverse reactions of methylxanthines as a function of concentration.
14. Determine the indications of methylxanthines.
15. Determine the antiallergic drugs used in anaphylactic shock.
16. Determine H1-antihistamines of the III-rd generation.
17. Determine H1-antihistamines of the II-rd generation.
18. Determine the pharmacodynamic effects of H1-antihistamines.
19. Determine the indications of H1-antihistamines with antiallergic purpose.
20. Determine the side effects of H1-antihistamines.
21. Determine the effects of epinephrine in anaphylactic shock.
22. Determine the effects of glucocorticoids as antiallergic
23. Determine the indications of glucocorticoids as antiallergic.
24. Determine the indications of mast cell degranulation inhibitors.
25. Determine the drugs used in asthma attacks.

Preparations with an influence on the cardiovascular system and diuretics

1. Determine the particularities of the antiarrhythmic effect of drugs from group 1A.
2. Determine the particularities of the antiarrhythmic effect of drugs from group 1B.
3. Determine the indications of antiarrhythmic drugs from group 1B.
4. Determine the particularities of the antiarrhythmic effect of beta-adrenoblockers.
5. Determine the particularities of the antiarrhythmic effect of calcium channel blockers.
6. Determine the particularities of the antiarrhythmic effect of amiodarone.
7. Determine the indications for amiodarone.
8. Determine the effects of cardiac glycosides on the heart.
9. Determine the electrocardiographic changes induced by therapeutic doses of cardiac glycosides.
10. Determine the clinical picture of poisoning with cardiac glycosides.
11. Determine the drugs used in cardiac glycoside poisoning.
12. Determine the pharmacokinetic characteristics of digoxin.
13. Determine the dosing principles of cardiac glycosides.
14. Determine the peculiarities of the antianginal effect of nitrates at the systemic level.
15. Determine the adverse reactions of nitrates.
16. Determine the peculiarities of the antianginal effect of beta-adrenoblockers.
17. Determine the peculiarities of the antianginal effect of calcium channel blockers.
18. Determine the drugs used in attacks of angina pectoris.
19. Determine direct-acting factor Xa antagonist anticoagulants.
20. Determine the groups of antiplatelet drugs.

21. Determine the clinical effects characteristic of standard heparin.
22. Determine the peculiarities of the anticoagulant effect of low molecular weight heparins.
23. Determine the particularities of the antiplatelet effect of acetylsalicylic acid.
24. Determine the indications for heparin.
25. Determine the indications of antiplatelet agents.
26. Determine the direct thrombin antagonist anticoagulants.
27. Determine the indications of fibrinolytics with indirect action.
28. Determine the adverse reactions of standard heparin.
29. Determine the indications of synthetic antifibrinolytics.
30. Determine the peculiarities of the hemostatic effect of vitamin K agents.
31. Determine the groups of neurotropic antihypertensive drugs.
32. Determine the antihypertensive drugs with influence on the renin-angiotensin-aldosterone system.
33. Determine the indications of alpha-2-adrenomimetics and centrally acting imidazoline receptor agonists.
34. Determine the peculiarities of the antihypertensive effect of beta-adrenoblockers.
35. Determine the particularities of the antihypertensive effect of calcium channel blockers.
36. Determine the particularities of the antihypertensive effect of angiotensin-converting enzyme inhibitors.
37. Determine the effects of angiotensin-converting enzyme inhibitors.
38. Determine the side effects of angiotensin-converting enzyme inhibitors.
39. Determine the particularities of the antihypertensive effect of angiotensin receptor blockers.
40. Determine the drugs used in emergencies and hypertensive crises.
41. Determine the particularities of use of alpha-adrenomimetics as antihypotensive agents.
42. Determine the specifics of the use of alpha-beta adrenomimetics as antihypotensives.
43. Determine the pharmacodynamic peculiarities of dopaminomimetics.
44. Determine the indications of dopaminomimetics.
45. Determine the pharmacodynamic effects of isothioureia derivatives as antihypertensives.
46. Determine the peculiarities of the antihypotensive action of glucocorticoids.
47. Determine the drugs used in arterial hypotension of the hypotonic type.
48. Determine the drugs used in arterial hypotension of the hypertonic type.
49. Determine the peculiarities of action of loop diuretics.
50. Determine the indications for loop diuretics.
51. Determine the adverse reactions of loop diuretics.
52. Determine the peculiarities of action of thiazide and non-thiazide diuretics.
53. Determine the particularities of action of competitive aldosterone antagonists diuretics.
54. Determine the peculiarities of the antihypertensive effect of diuretics.
55. Determine the pharmacodynamic effects of dextrans 40,70.

Preparations with influence on the Digestive system

1. Determine the advantages of capsules with minimicrospheres of pancreatic enzyme drugs.
2. Determine the efficacy criteria of pancreatic enzyme preparations.
3. Determine the manifestations of the antiulcer effect of H₂-histamine blockers.
4. Determine the side effects of H₂-histamine blockers.
5. Determine the manifestations of the antiulcer effect of proton pump inhibitors.
6. Determine the side effects of proton pump inhibitors.
7. Determine the possible consequences of marked inhibition of gastric secretion by proton pump inhibitors:
8. Determine the particular indications of prostaglandin analogues as antiulcer preparations.
9. Determine antacids with neutralizing action.

10. Determine the therapeutic effects of nonsystemic antacids.
11. Determine the adverse reactions of systemic antacids.
12. Determine the effects of dopamine-blocking and serotonergic prokinetics.
13. Determine the indications for prokinetics.
14. Determine the mechanisms of action of activated charcoal as an antifatulent.
15. Determine the indications for bulk laxatives.
16. Determine the indications for laxatives by softening the stool.
17. Determine the indications for osmotic purgatives.
18. Determine the indications for irritating purgatives with action on the large intestine.
19. Determine the particular indications of serotonin antagonists as antivomitives.
20. Determine the antiemetics for the treatment of patients with motion sickness.
21. Determine the antiemetics that can increase the duration of the QT interval and carry the risk of cardiotoxic reactions:
22. Determine the particularities of the antidiarrheal effect of opioids.
23. Determine the effects of silymarin.
24. Determine the indications of silymarin.
25. Determine the advantages of clinical use of silymarin.
26. Determine the indications of ademetonine.
27. Determine the advantages of clinical use of ademetonine.
28. Determine the early effects of the clinical use of ursodeoxycholic acid.
29. Determine the advantages of clinical use of ursodeoxycholic acid.
30. Determine the pharmacodynamic peculiarities of entomological preparations as hepatoprotectors.

Antibiotics and Chemotherapeutics with diverse chemical structure

1. Determine the peculiarities of the spectrum of action for semisynthetic aminopenicillins.
2. Determine the peculiarities of the spectrum of action for ureidopenicillins.
3. Determine the pharmacokinetic characteristics of natural penicillins.
4. Determine the characteristic side effects of penicillins.
5. Determine the V-th generation of cephalosporins.
6. Determine the peculiarities of the spectrum of action of cephalosporins from III generation.
7. Determine the peculiarities of the spectrum of action of cephalosporins from II generation.
8. Determine the peculiarities of the spectrum of action of cephalosporins from IV generation.
9. Determine the adverse effects of cephalosporins.
10. Determine the peculiarities of the spectrum of action for aminoglycosides.
11. Determine the characteristic adverse reactions of aminoglycosides.
12. Determine the pharmacokinetic peculiarities of aminoglycosides.
13. Determine the specific indication for lincosamides.
14. Determine the peculiarities of the action spectrum of glycopeptides.
15. Determine the characteristic adverse reactions of tetracyclines.
16. Determine the peculiarities of the spectrum of action of polymyxins.
17. Determine the characteristic adverse reactions of polymyxins.
18. Determine the characteristic adverse reaction of lincosamides.
19. Determine the specific indications for chloramphenicol.
20. Determine the most rational combination of antibiotic groups.
21. Determine the specific indication or indications of nitroimidazole derivatives.
22. Determine the antimicrobial groups of choice in the treatment of infections produced by *B. fragilis*.
23. Determine the components of combined systemic sulfonamides.
24. Determine the indication or indications of sulfonamides azocompounds.

25. Determine the adverse reactions of sulfonamides.
26. Determine the fluoroquinolones active against *Mycobacterium tuberculosis*.
27. Determine the peculiarities of the spectrum of action of fluoroquinolones.
28. Determine the characteristic side effects of fluoroquinolones.
29. Determine the adverse reaction of nitroimidazole derivatives.
30. Determine the peculiarities of the spectrum of action of oxazolidinones.

Preparations with influence on the CNS

1. Determine the groups of sedative drugs.
2. Determine the indication or indications of sedative drugs.
3. Determine long-acting anxiolytic or anxiolytics.
4. Determine the manifestations of the anxiolytic effect of benzodiazepines.
5. Determine the pharmacodynamic effects of anxiolytics.
6. Determine the indications of anxiolytics.
7. Determine the side effects of anxiolytics.
8. Determine groups of antipsychotics (neuroleptics) according to the clinical spectrum.
9. Determine the peculiarities of the mechanism of action of antipsychotics.
10. Determine the effects of antipsychotics.
11. Determine the manifestations of the psychosedative effect of antipsychotics.
12. Determine the manifestations of the antipsychotic effect of antipsychotics.
13. Determine the indications of antipsychotics in psychiatry.
14. Determine the side effects of antipsychotics on CNS
15. Determine endocrine side effects of antipsychotics.
16. Determine cardiovascular side effects of antipsychotics.
17. Determine digestive side effects of antipsychotics.
18. Determine the clinical manifestations of the antidepressant effect of antidepressant drugs.
19. Determine the pharmacodynamic effects of antidepressants.
20. Determine the effects of nootropics.
21. Determine the indications of nootropic drugs.
22. Determine the pharmacodynamic effects of CNS stimulants from the phenylalkylamines group
23. Determine the adverse reactions of CNS stimulants from the phenylalkylamines group
24. Determine the manifestations of the psychostimulant effect of methylxanthines
25. Determine the indications of CNS stimulants from methylxanthines group.

Analgesic and anti-inflammatory preparations

1. Select selective nonsteroidal anti-inflammatory drugs.
2. Select the pharmacological effects of NSAIDs.
3. Select the indications of NSAIDs.
4. Select the side effects of NSAIDs.
5. Select the glucocorticoid with the longest duration of action
6. Determine the peculiarities of the anti-shock effect of glucocorticoids
7. Select the clinical effects on CNS of opioid analgesics.
8. Select the indications of opioid analgesics.
9. Select the effects of opioid analgesics on the digestive and urinary tract
10. Select the effects of opioid analgesics on the respiratory and cardiovascular systems
11. Select the CNS side effects of opioid analgesics.
12. Select the particularities of the analgesic effect of paracetamol.
13. Select the particularities of the analgesic effect of tramadol.
14. Select the mechanisms of action of peripherally acting analgesics
15. Select the groups of peripherally acting analgesic drugs.

Hormonal preparations of the thyroid gland, antidiabetics and glucocorticoids

1. Determine the time to development of the stable clinical effect of levothyroxine.
2. Determine the indications of hormonal drugs of the thyroid gland:
3. Determine the dosing principles of thyroid gland preparations:
4. Determine the pharmacokinetic peculiarities of thyroid drugs:
5. Determine the indications of thioamides as antithyroid drugs
6. Determine the side effects of antithyroid thioamides:
7. Determine the indications of iodine drugs as antithyroid:
8. Determine rapid-acting insulin analogues with short duration of action:
9. Determine the slow-acting insulin analogues with long duration of action:
10. Determine the clinical manifestations of hypoglycemia in case of insulin overdose:
11. Determine the dosing principles of insulin drugs:
12. Determine the particularities of the hypoglycemic effect of biguanides:
13. Determine the particularities of the hypoglycemic effect of DPP-IV inhibitors:
14. Determine the particularities of the hypoglycemic effect of GLP-1 receptor agonists:
15. Determine the particularities of the hypoglycemic effect of sodium-glucose cotransporter-2 inhibitors:
16. Determine the glucocorticoid with the greatest activity (potency):
17. Determine the characteristics of the non-genomic mechanism of action of glucocorticoids:
18. Determine the glucocorticoid with the most marked non-genomic mechanism of action:
19. Determine the peculiarities of the anti-shock effect of glucocorticoids:
20. Determine the adverse reactions of glucocorticoids.