Drugs with influence on the respiratory system and antiallergic medication

1. Determine the pharmacodynamic effects of bromhexine.
2. Determine the pharmacodynamic effects of acetylcysteine.
3. Determine the beta-adrenomimetics as bronchodilators according to their duration of action.
4. Determine the therapeutic effects of beta-adrenomimetics in bronchial asthma.
5. Determine the side effects of inhaled beta-adrenomimetics.
6. Determine the M-cholinoblockers as bronchodilators according to their duration of action.
7. Determine the therapeutic effects 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 indications of antileukotrienes as bronchodilators.
11. Determine the side effects of inhaled glucocorticoids.
12. Determine the therapeutic effects of methylxanthines in bronchial asthma.
13. Determine the side effects of methylxanthines depending on plasma concentration.
14. Determine the indications of methylxanthines.
15. Determine the drugs used in anaphylactic shock.
16. Determine the third-generation H1-antihistamine drugs.
17. Determine the leukotriene receptor antagonist(s).
18. Determine the pharmacodynamic effects of first-generation H1-antihistamine drugs.
19. Determine the indications of H1-antihistamine drugs.
20. Determine the side effects of first-generation H1-antihistamine drugs.
21. Determine the effects of epinephrine in anaphylactic shock.
22. Determine the effects of glucocorticoids as antiallergic drugs.
23. Determine the indications of glucocorticoids as antiallergic drugs.
24. Determine the indications of mast cell degranulation inhibitor drugs.
25. Determine the drug(s) used in asthma attacks.

Drugs with an influence on the cardiovascular system and diuretics

1. Determine the particularities of the antiarrhythmic effect of drugs from 1A group/class.
2. Determine the particularities s of the antiarrhythmic effect of drugs from 1B group/class.
3. Determine the indication(s) of antiarrhythmic drugs from 1B group/class.
4. Determine the particularities of the antiarrhythmic effect of beta-adrenoblockers.
5. Determine the pharmacokinetic particularities of amiodarone.
6. Determine the particularities of the antiarrhythmic effect of amiodarone.
7. Determine the side effects of 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 cardiac glycoside poisoning.
11. Determine the drugs used in cardiac glycoside poisoning.
12. Determine the pharmacokinetic particularities of digoxin.
13. Determine the pharmacokinetic particularities of strophanthin.
14. Determine the particularities of the antianginal effect of nitrates at the systemic level.
15. Determine the side effects of nitrates.
16. Determine the particularities of the antianginal effect of beta-adrenoblockers.
17. Determine the particularities of the antianginal effect of calcium channel blockers.

18. Determine the drug(s) used in angina attacks.
19. Determine the direct-acting factor Xa antagonist anticoagulants.
20. Determine the indication(s) of acetylsalicylic acid as an antiplatelet agent.
21. Determine the indications of unfractionated heparin.
22. Determine the particularities of the anticoagulant effect of low molecular weight heparins.
23. Determine the particularities of the antiplatelet effect of acetylsalicylic acid.
24. Determine the laboratory investigations necessary to evaluate the efficacy of heparin.
25. Determine the laboratory investigations necessary to evaluate the efficacy of indirect anticoagulants.
26. Determine the side effects of standard heparin.
27. Determine the indication of indirect anticoagulants.
28. Determine the indications of indirect fibrinolytics.
29. Determine the indications of synthetic antifibrinolytics.
30. Determine the indications of methyldopa.
31. Determine the indication of imidasoline receptor agonists.
32. Determine the characteristic indications of beta-adrenoblockers as antihypertensives.
33. Determine the characteristic indications of ACE inhibitors as antihypertensives.
34. Determine the particularities of the antihypertensive effect of ACE inhibitors.
35. Determine the side effects of ACE inhibitors.
36. Determine the particularities of the antihypertensive effect of angiotensin receptor blockers.
37. Determine the drugs used in emergencies and hypertensive crises.
38. Determine the particularities of the action of alpha-adrenomimetics as antihypotensives.
39. Determine the particularities of the action of alpha-beta-adrenomimetics as antihypotensives.
40. Determine the effects of dopaminomimetics depending on the dose.
41. Determine the indications of dopaminomimetics.
42. Determine the side effects of alpha-beta-adrenomimetics.
43. Determine the particularities of the antihypotensive action of glucocorticoids.
44. Determine the drugs used in hypotonic-type arterial hypotension.
45. Determine the drugs used in hypertensive-type arterial hypotension.
46. Determine the particularities of action of loop diuretics.
47. Determine the indications of loop diuretics.
48. Determine the side effects of loop diuretics.
49. Determine the particularities of action of thiazide and non-thiazide diuretics.
50. Determine the indications of spironolactone.
51. Determine the indications of thiazide and non-thiazide diuretics.
52. Determine the side effects of competitive aldosterone antagonists.

Preparations with influence on the Digestive system

1. Determine the particularities of the microcapsules of pancreatic enzyme as replacement therapy.
2. Determine the criteria for the effectiveness of pancreatic enzyme replacement drugs.
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 pharmacokinetic particularities of proton pump inhibitors.

8. Determine the indications of prostaglandin analogues used as antiulcer drugs.
9. Determine the side effects of systemic antacids.
10. Determine the group of antiulcer drugs used in endocrine tumors of the gastroenteropancreatic system.
11. Determine the effects of dopaminoblocker and serotoninergic prokinetics.
12. Determine the indication(s) of prokinetics.
13. Determine the adverse effects of metoclopramide on the central nervous system.
14. Determine the indications of surfactant agents as antiflatulents.
15. Determine the time of development of the effect of bulk laxatives.
16. Determine the indications of lactulose.
17. Determine the indication(s) of osmotic purgatives.
18. Determine the indications of irritant purgatives with action on the large intestine.
19. Determine the specific indication(s) of serotonin antagonists as antiemetics.
20. Determine the purgative indicated in case of the need for rapid evacuation of intestinal contents.
21. Determine the antiemetics that increase the duration of the QT interval.
22. Determine the peculiarities of the antidiarrheal effect of opioids.
23. Determine the indications of opioids as antidiarrheals (loperamide).
24. Determine the indications of myotropic spasmolytics.
25. Determine the indications of bile acid drugs for substitution purposes.
26. Determine the advantages of the clinical use of silymarin.
27. Determine the advantages of the clinical use of ademetionine.
28. Determine the peculiarities of the pharmacological effect of ursodeoxycholic acid.
29. Determine the indications of ursodeoxycholic acid.
30. Determine the indications of silymarin.

Analgesics and anti-inflammatory drugs

1. Determine the side effects of selective non-steroidal anti-inflammatory drugs (COX2)
2. Select the manifestation of the anti-inflammatory effect of non-steroidal anti-inflammatory drugs
3. Select the pharmacodynamic particularities of paracetamol
4. Determine the contemporary forms of administration of opioid analgesics
5. Select the correct statements regarding acetylsalicylic acid
6. Determine the adverse reaction characteristic for COX1 inhibitors
7. Determine the centers that are inhibited by opioid analgesics
8. Determine the effects of opioid analgesics on the psychic sphere
9. Determine the effects of opioid analgesics on the digestive and urinary tract
10. Determine the effects of opioid analgesics on vital functions
11. Determine the analgesics used in neuropathic pain
12. Determine the adverse effects of paracetamol
13. Determine the pharmacodynamic particularities of tramadol
14. Determine the side effects of nonsteroidal anti-inflammatory drugs
15. Determine the highly active opioid analgesic(s) for enteral/parenteral administration
16. Determine the short-acting opioid analgesic(s) for parenteral administration
17. Determine the characteristics of the analgesic action of opioids

CNS

1. Select the pharmacodynamic effects of sedatives
2. Determine the groups of thymoisoleptic drugs
3. Determine the anxiolytics with antidepressant effect
4. Determine the indication(s) of anxiolytics
5. Determine the side effects of benzodiazepines
6. Determine the short-acting anxiolytic
7. Determine the groups of antipsychotics (neuroleptics) according to the clinical spectrum
8. Determine the clinical manifestations of the antipsychotic effect of neuroleptics
9. Determine the peculiarities of the potentiation of the analgesic and anesthetic action of antipsychotics
10. Determine the pharmacodynamic effects of antipsychotics
11. Determine the main indications of antipsychotics in psychiatry
12. Determine the anticholinergic effects of antipsychotics
13. Determine the endocrine side effects of antipsychotics
14. Determine the manifestations of extrapyramidal disorders of antipsychotics
15. Determine the metabolic side effects of antipsychotics
16. Determine the clinical manifestations of the thymeretic/activating effect of antidepressants
17. Determine the adverse effects of antidepressants
18. Determine the clinical indications of nootropics
19. Determine the pharmacodynamic effects of CNS excitants from the methylxanthine group
20. Determine the adverse effects of phenylalkylamines
21. Determine the extrapyramidal manifestations of antipsychotics
22. Determine the anxiolytics used as intravenous anesthetics
23. Determine the clinical manifestations of the anxiolytic effect of benzodiazepines
24. Determine the manifestations of the muscle relaxant effect of anxiolytics
25. Determine the pharmacodynamic effects of nootropics

Thyroid hormone drugs, antidiabetics and glucocorticoids

1. Determine the time of a stable clinical effect when using levothyroxine
2. Determine the pharmacodynamic effects of levothyroxine.
3. Determine the principles of dosing of levothyroxine.
4. Determine the pharmacokinetic particularities of levothyroxine.
5. Determine the pharmacokinetic properties of thioamides.
6. Determine the most severe adverse reaction of antithyroid thioamides.
7. Determine the indications of iodine drugs as antithyroid.
8. Determine the correct statement about prandial insulins.
9. Determine the correct statement about basal insulins.
10. Determine the clinical manifestations of hypoglycemia in insulin overdose.
11. Determine the principles of dosing of insulin drugs.
12. Determine the particularities of the hypoglycemic effect of biguanides.
13. Determine the adverse effect(s) of biguanides.
14. Determine the particularities of the hypoglycemic effect of GLP-1 agonists.
15. Determine the side effects of sodium-glucose cotransporter-2 inhibitors.
16. Determine the particularities of the hypoglycemic effect of sodium-glucose cotransporter-2 inhibitors.

17. Determine the characteristics of the non-genomic mechanism of action of glucocorticoids.
18. Determine the glucocorticoid with the most pronounced non-genomic mechanism of action.
19. Determine the dosing principles of glucocorticoids.
20. Determine the pharmacokinetic particularities of glucocorticoids
21. Determine the glucocorticoid(s) that penetrate well the placenta

Antibiotics and chemotherapeutics of diverse chemical structure

1. Determine the spectrum of action of semisynthetic aminopenicillins.
2. Determine the side effects characteristic of penicillins.
3. Determine the 5th generation cephalosporin.
4. Determine the peculiarity of the spectrum of action of 2nd generation cephalosporins.
5. Determine the peculiarity of the spectrum of action of 4th generation cephalosporins.
6. Determine the side effects characteristic of cephalosporins.
7. Determine the peculiarity of the spectrum of action of aminoglycosides.
8. Determine the side effects characteristic of aminoglycosides.
9. Determine the pharmacokinetic peculiarities of aminoglycosides.
10. Determine the peculiarity of the spectrum of action of glycopeptides.
11. Determine the side effects characteristic for tetracyclines.
12. Determine the peculiarity of the spectrum of action of polymyxins.
13. Determine the side effects characteristic for polymyxins.
14. Determine the adverse reaction characteristic for lincosamides.
15. Determine the most rational association of antibiotic groups.
16. Determine the specific indications of nitroimidazole derivatives.
17. Determine the groups of antimicrobials of choice in the treatment of Bac.fragilis infection.
18. Determine the composition of combined systemic sulfonamides.
19. Determine the specific indication of azo compound sulfonamides.
20. Determine the side effects of sulfonamides.
21. Determine the specific particularities of the spectrum of action of fluoroquinolones.
22. Determine the side effects characteristic for fluoroquinolones.
23. Determine the specific particularities of the spectrum of action of oxazolidinediones.
24. Determine the specific indications of second-generation tetracyclines.
25. Determine the antibiotics in the reserve group, according to the WHO AWaRe classification.
26. Determine the drug of choice in the treatment of pseudomembranous colitis.
27. Determine the side effects characteristic of oxazolidinediones.
28. Determine the antibiotics that are attributed to the dose-dependent group/with concentration-dependent or dose-dependent effect.
29. Determine the antibiotics that are attributed to the group/with time-dependent effect.
30. Determine the antibiotics that exhibit post-antibiotic (cumulative) action.