

№	krok 2023
Topic	Antimicrobial agents
Task	An 8-year-old child came to a dentist with a herpetic rash on the lower lip. What medicine needs to be prescribed for the child?
correct answer	Acyclovir
B	Oxacillin
C	Ampicillin
D	Ketoconazole
E	Furadonin (Nitrofurantoin)
№	krok 2023
Topic	Antimicrobial agents
Task	Bacterioscopy of a swab from the patient's urethra detected gonorrhea. Since fluoroquinolones are the drugs of choice for the treatment of gonorrhea, this patient must be prescribed:
correct answer	Ciprofloxacin
B	Cefazolin
C	Fluorouracil
D	Furazolidone
E	Urosulfan (Sulfacarbamide)
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	A patient with an angina pectoris attack was brought into the intensive care unit. What drug must be administered in this case to stop the angina pectoris attack?
correct answer	Nitroglycerin
B	Furosemide
C	Vicasolum (Menadione)
D	Heparin
E	Calcium chloride

№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	A patient was diagnosed with ischemic heart disease and prescribed a calcium channel blocker agent. What drug is it?
correct answer	Amlodipine
B	Thiotriazoline
C	Eldepryl (Selegiline)
D	Carvedilol
E	Nitroglycerin
№	krok 2023
Topic	Agents influencing on afferent and efferent innervation
Task	A 40-year-old patient with a poisoning caused by the chlorophos (mefenphos) insecticide was hospitalized into the toxicology department. What drug that blocks peripheral muscarinic acetylcholine receptors would be most effective in treatment of such poisoning?
correct answer	Atropine sulfate
B	Amizylum (Benactyzine)
C	Benzohexonium (Hexamethonium)
D	Platyphylline
E	Scopolamine
№	krok 2023
Topic	Antimicrobial agents
Task	A patient diagnosed with oral candidiasis was prescribed an antifungal drug. What drug was prescribed for this patient?
correct answer	Fluconazole
B	Biseptol (Co-trimoxazole)
C	Ampicillin
D	Erythromycin

E	Levomycesin (Chloramphenicol)
№	krok 2023
Topic	Antimicrobial agents
Task	For the treatment of gingivitis, a dentist prescribed the patient a drug with an antiprotozoal and antibacterial effect, which can cause an aversion to alcohol. What drug did the doctor prescribe?
correct answer	Metronidazole
B	Ceftriaxone
C	Tetracycline
D	Lincomycin hydrochloride
E	Levomycesin (Chloramphenicol)
№	krok 2023
Topic	Agents influencing on afferent and efferent innervation
Task	Sodium thiopental was administered to a patient as a pre-anesthetic, after which the patient developed hypersalivation and laryngospasm. What drug could have prevented these effects, if it had been administered in this case?
correct answer	Atropine sulfate
B	Adrenaline hydrochloride
C	Analgin (Metamizole sodium)
D	Ditylin (Suxamethonium)
E	Piracetam
№	krok 2023
Topic	Antimicrobial agents
Task	A woman diagnosed with dysentery was hospitalized into the infectious diseases unit. Laboratory testing determined that the causative agents in this case are <i>Entamoeba histolytica</i> . What drug should she be prescribed?
correct answer	Metronidazole
B	Isoniazid

C	Chingamin (Chloroquine)
D	Rifampicin
E	Benzympenicillin sodium salt
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	diagnosed with essential hypertension and prescribed lisinopril. What is the mechanism of action of this drug?
correct answer	Binds angiotensin-converting enzyme and blocks the conversion of angiotensin I into angiotensin II
B	Blocks calcium channels
C	Blocks potassium channels
D	Stimulates imidazoline receptors
E	A. Blocks angiotensin receptors in blood
№	vessels
Topic	Antimicrobial agents
Task	A certain antibiotic has low toxicity, relatively rarely causes side effects, and is a reserve antibiotic from the group of macrolides. Its mechanism of action consists of protein synthesis inhibition in bacterial ribosomes by inhibiting the peptide translocase enzyme. What antibiotic is it?
correct answer	Azithromycin
B	Sisomicin
C	Tetracycline
D	Levomycetin (Chloramphenicol)
E	Ampicillin
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	What drug can be used in treatment of ciliary arrhythmia, is a potassium channel blocker, alpha and beta dual receptor blocker, and can cumulate in the body?

correct answer	Verapamil
B	Nicotinamide
C	Amiodarone
D	Metoprolol
E	Asparcam
№	krok 2023
Topic	Agents influencing on afferent and efferent innervation
Task	Complex therapy of a patient with bronchopneumonia accompanied by exhausting dry cough includes a certain mucolytic agent that depolymerizes mucoproteins. What drug is it?
correct answer	Acetylcysteine
B	Atenolol
C	Neodicoumarin
D	Codeine
E	Strophanthin
№	krok 2023
Topic	Drugs acting on cardiovascular system
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№	krok 2023
Topic	Agents influencing on afferent and efferent innervation
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C	Neodicoumarin
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E	Strophanthin
No	krok 2017
Topic	<b>Drugs acting on the CNS</b>
Task	A 24-year-old patient has been administered glutamic acid to treat epilepsy. Medicinal effect in this case occurs not due to glutamate itself, but due to the product of its decarboxylation:
correct answer	$\gamma$ -aminobutyric acid
B	Histamine 4-monooxygenase
C	Serotonin
D	Dopamine
E	Taurine
No	krok 2017
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	To perform conduction anesthesia a patient had been administered a drug used in dental surgery. The patient developed the symptoms of poisoning: central nervous system excitation followed by paralysis and acute cardiovascular insufficiency (collapse). Additionally there were allergic reactions (itching, swelling, erythema). Name this drug:
correct answer	Lidocaine
B	Suxamethonium chloride
C	Thiopental sodium
D	Tubocurarin chloride
E	Pipecuronium bromide
No	krok 2017
Topic	<b>Drugs acting on metabolism, blood and immunity</b>

Task	Enzymes and other active substances regulating connective tissue density and permeability are being produced in connective tissue cells. What enzyme drug is used to make the connective tissue growths looser and more permeable?
correct answer	Lydase
B	Amylase
C	Lipase
D	Coccarboxylase
E	Cholinesterase
No	krok 2017, 2016
Topic	<b>Drugs acting on the CNS</b>
Task	A schizophrenic patient has been prescribed aminazine. What pharmacodynamic action of this drug justifies its prescription in this case?
correct answer	Antipsychotic
B	Antiemetic
C	Hypothermic
D	Muscle relaxant
E	Hypotensive
No	krok 2017
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with maxillofacial joint arthritis has come to a dentist. The dentist prescribed an ointment with an anti-inflammatory agent that is a pyrazolone derivative. Name this agent:
correct answer	Butadion (Phenylbutazone)
B	Mefenamic acid
C	Ibuprofen
D	Indometacin
E	Diclofenac sodium
No	krok 2017, 2015

Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 55-year-old man with acute heartfailure has been administered a quick-relief cardiac glycoside. Which of the following drugs has been given to the patient?
correct answer	Strophanthin
B	Adonisidum
C	Digitoxin
D	Celanid
E	Milrinone
No	krok 2017
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient suffering from ciliary arrhythmia with anamnesis of bronchial asthma should be prescribed an anti-arrhythmic drug. What antiarrhythmic drug is <b>CONTRAINDICATED</b> in this case?
correct answer	Anaprilin (Propranolol)
B	Ajmaline
C	Verapamil
D	Nifedipine
E	Novocainamide (Procainamide)
No	krok 2017
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A woman, who had undergone mastectomy due to breast cancer, was prescribed a course of radiation therapy. What vitamin preparation has marked antiradiation effect due to its antioxidant activity?
correct answer	Tocopherol acetate
B	Ergocalciferol
C	Riboflavin
D	Cyanocobalamin
E	Folic acid
No	krok 2017



Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A 45-year-old patient with essential hypertension, who has been taking an antihypertensive drug for 4 days, notes that his blood pressure is normalized; however the patient complains of sleepiness and sluggishness. What drug is the patient taking?
correct answer	Clophelin (Clonidine)
B	Prazosin
C	Captopril
D	Enalapril
E	Apressin (Hydralazine)
No	krok 2017
Topic	<b>Drugs acting on cardiovascular system + General pharmacology</b>
Task	To terminate hypertensive crisis the patient was administered solution of magnesium sulfate. What route of drug administration should be chosen?
correct answer	Intravenous
B	Duodenal
C	Rectal
D	Oral
E	Intra-arterial
No	krok 2017
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	To treat peptic ulcer disease of the stomach a patient has been prescribed famotidine. Specify the mechanism of action of this drug:
correct answer	$H_2$ histamine receptors block
B	Effect on ion channels of cell membranes
C	Antienzyme action
D	Physicochemical interaction

E	Effect on cell membrane transport system
No	krok 2017
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Due to overdosage of a vasodilator a 58-year-old patient has developed acute vascular insufficiency. What drug would be advisable for termination of this pathological condition?
correct answer	Mesaton (Phenylephrine)
B	Euphyllin (Aminophylline)
C	Dopamine
D	Cordiamin
E	Aethimizolum (Methylamide)
No	krok 2017
Topic	<b>Drugs acting on cardiovascular system</b>
Task	To treat chronic heart failure a patient takes digoxin. What diuretic can increase digoxin toxicity due to increased excretion of $K^+$ ions?
correct answer	Hydrochlorothiazide
B	Spironolactone
C	Panangin
D	Silibor
E	Lisinopril
No	krok 2017, 2016
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with symptoms of acute heart failure, namely pallor, acrocyanosis, and rapid shallow breathing, has been delivered to an emergency department. Which of these drugs is indicated in this case?
correct answer	Corglycon
B	Digitoxin
C	Cordiamine

D	Nitroglycerine
E	Adrenalin hydrochloride
No	krok 2017
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient suffering from acute vascular purpura is prescribed a first-generation antihistamine with local anaesthetic, antispasmodic, and sedative action. Specify this drug:
correct answer	Dimedrol (Diphenhydramine)
B	Diazolin (Mebhydrolin)
C	Dithylin
D	Droperidol
E	Dibazol (Bendazol)
No	krok 2017
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with autoimmune thyroiditis has been prescribed a peptide hormonal agent. Specify this agent:
correct answer	L-thyroxin
B	Trimethoprim
C	Triamcinolone
D	Triquilar
E	Tamoxifen
No	krok 2017
Topic	<b>Antimicrobial agents</b>
Task	To prevent wound infection associated with surgical procedures a patient was given a synthetic antiprotozoan drug demonstrating high activity against <i>Helicobacter pylori</i> . Specify this drug:
correct answer	Metronidazole
B	Doxycycline hydrochloride
C	Chingamin
D	Acyclovir

E	Isoniazid
No	krok 2017, 2016
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient in a grave condition has been delivered to an admission ward. Examination revealed pupil mydriasis, no reaction to the light, considerable reddening and dryness of skin and mucous membranes. What drug could have caused the intoxication symptoms?
correct answer	Atropine sulphate
B	Proserin
C	Adrenalin hydrochloride
D	Pilocarpine hydrochloride
E	Dithylinum
No	krok 2017
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with bronchial asthma has developed a bronchial spasm during the visit to a dentist. Name the drug necessary to arrest the spasm:
correct answer	Salbutamol
B	Naphthizin
C	Mesaton (Phenylephrine)
D	Anaprilin (Propranolol)
E	Bisoprolol
No	krok 2017
Topic	<b>Drugs acting on the CNS</b>
Task	Due to severe pain syndrome a patient has been prescribed a narcotic analgesic. Specify the prescribed drug:
correct answer	Morphine
B	Analgin (Metamizole)
C	Nimesulid
D	Dimexid

E	Indometacin
No	krok 2017
Topic	<b>Drugs acting on the CNS</b>
Task	A patient suffering from arthritis is prescribed a COX <sub>2</sub> selective inhibitor with anti-inflammatory action. Specify this drug:
correct answer	Celecoxib
B	Butadion (Phenylbutazone)
C	Dimexid
D	Indometacin
E	Analgin (Metamizole)
No	krok 2017
Topic	<b>Antimicrobial agents</b>
Task	A doctor has made a diagnosis of gingivitis and recommended the patient to rinse the oral cavity with an oxidizing agent. Specify this agent:
correct answer	Hydrogen peroxide
B	Boric acid
C	Salicylic acid
D	Phenol
E	Brilliant green
No	krok 2017
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	In dental practice atropine sulfate is used to decrease salivation. This drug belongs to the following group:
correct answer	Muscarinic antagonists
B	$\alpha$ -adrenergic agonists
C	$\beta$ -adrenoceptor antagonists
D	Ganglionic blockers

E	Muscle relaxants
No	krok 2016
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 50-year-old patient with hypertensive crisis had been administered magnesium sulfate, which led to abrupt decrease in blood pressure. The side effects of magnesium sulfate can be prevented if the following drug is administered:
correct answer	Calcium chloride
B	Potassium chloride
C	Trilon B
D	Sodium bromide
E	Sodium sulfate
No	krok 2016
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has a slowly healing fracture. What medicine can be used to accelerate formation of connective tissue matrix?
correct answer	Methyluracil
B	Prednisolone
C	Cyclophosphan
D	Methotrexate
E	Cyclosporine
No	krok 2016
Topic	<b>General pharmacology</b>
Task	A 17-year-old girl has attempted to commit suicide by overdosing on phenobarbital. Upon arrival at the site an emergency doctor urgently performed gastric lavage on the patient and introduced bemegrade and solution of sodium hydrocarbonate intravenously. The doctor introduced sodium hydrocarbonate to:
correct answer	Increase renal excretion of phenobarbital
B	Stimulate respiration

C	Normalise blood pressure
D	Inactivate phenobarbital
E	Wake up the patient
No	krok 2016
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A child with signs of rickets has been prescribed a certain liposoluble vitamin drug by pediatrician and dentist. This drug affects the metabolism of phosphorus and calcium in the body and facilitates calcium accumulation in bone tissue and dentine. If its content in the body is insufficient, there develop disruptions of ossification process, dental structure and occlusion. Name this drug:
correct answer	Ergocalciferol
B	Retinol acetate
C	Tocopherol acetate
D	Menadione (Vicasolum)
E	Thyroidin
No	krok 2016
Topic	<b>Antimicrobial agents</b>
Task	Having completed work in a laboratory, a student must tidy up the workspace, perform disinfection of the workbench and tools. What chemicals should be used for disinfection?
correct answer	Chloramine
B	Hydrochloric acid
C	Formalin
D	Chloroform
E	Ether
No	krok 2016, 2015
Topic	<b>Drugs acting on the CNS</b>
Task	A 56-year-old woman is registered with a psychoneurologic dispensary due to her suffering from epilepsy, specifically, minor attacks ( <i>pti mal</i> ). What drug is the most efficient in this case?

correct answer	Sodium valproate
B	Phenobarbital
C	Trihexyphenidyl
D	Levodopa
E	Phenytoin
No	krok 2016, 2015
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A 60-year-old patient with a history of bronchial asthma has had several attacks during the day. What is the optimal drug to be used for attacks prevention?
correct answer	Salbutamol
B	Isadrinum
C	Adrenaline hydrochloride
D	Dobutamine
E	Methacinum
No	krok 2016
Topic	<b>Drugs acting on the CNS</b>
Task	A patient suffering from parkinsonism has been prescribed levodopa, which resulted in rapid improvement of the patient's condition. What mechanism of action is characteristic of this drug?
correct answer	Stimulation of dopamine synthesis
B	Block of muscarinic receptors
C	Stimulation of dopamine receptors
D	Anticholinesterase action
E	Stimulation of muscarinic receptors
No	krok 2016
Topic	<b>Drugs acting on the CNS</b>



Task	A 45-year-old woman has addressed a doctor with complaints of rapid mood swings, tearfulness, apathy. Antidepressants prescribed for her treatment are monoamine oxidase inhibitors. These drugs have a certain effect on catecholamines, which results in their medicinal action. Name this effect:
correct answer	Increased concentration
B	Increased deamination
C	Decreased concentration
D	Neutralization activation
E	Inhibition of back transfer
No	krok 2016
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with limb fracture should be prescribed a depolarizing muscle relaxant for brief surgical invasion. Name this drug:
correct answer	Dithylinum
B	Tubocurarin chloride
C	Cytisinum (Cytitonum)
D	Atropine sulfate
E	Azamethonium bromide (Pentaminum)
No	krok 2016
Topic	<b>General pharmacology</b>
Task	A 50-year-old patient has been referred for treatment of neck lymphadenitis. His individual penicillin sensitivity was tested. In 30 seconds fullbody fever raised in the patient and his arterial blood pressure dropped to 0 mm Hg followed by cardiac arrest. Resuscitation was unsuccessful. Autopsy revealed acute venous hyperemia of viscera. Histological study revealed mast cells (tissue basocytes) degranulation in the skin (at the area of injections), myocardium and lungs. What kind of hypersensitivity reaction occurred in the
correct answer	Anaphylactic
B	Delayed-type hypersensitivity
C	Complement-mediated cytotoxic

D	Immune complex-mediated
E	-
No	krok 2016
Topic	<b>General pharmacology</b>
Task	A patient with heart failure and tachycardia has been prescribed digoxin. After 5 days of taking digoxin the patient's heart rate was normalized. After 2 weeks the patient addressed a doctor due to continuous decrease of heart rate down to 52/min. What phenomenon has caused such changes of heart rate?
correct answer	Cumulation
B	Idiosyncrasy
C	Tachyphylaxis
D	Tolerance
E	Allergy
No	krok 2016
Topic	<b>Antimicrobial agents</b>
Task	Sulfanilamides are applied as antimicrobial agents in clinical practice. Sulfanilamide treatment, however, can result in hemolytic anemia development in patients that suffer from genetic defect of the following enzyme of pentose phosphate metabolism in erythrocytes:
correct answer	Glucose-6-phosphate dehydrogenase
B	Hexokinase
C	Transketolase
D	Transaldolase
E	Pyruvate kinase
No	krok 2016
Topic	<b>General pharmacology</b>
Task	For pain relief a patient has taken simultaneously a tablet of paracetamol and a tablet of diclofenac sodium. What type of drug interaction did the patient use for self-treatment?
correct answer	Additive synergism

B	Potentiated synergism
C	Synergic antagonism
D	Competitive antagonism
E	Non-competitive antagonism
No	krok 2016
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 60-year-old patient has taken a drug to relieve angina pectoris attack; in several minutes the pain felt in the breastbone area abated, but it was followed by feeling of vertigo, headache, tinnitus, and hyperemia of face. What drug has the patient taken?
correct answer	Nnitroglycerine
B	Validol
C	Nifedipine
D	Verapamil
E	Amiodarone
No	krok 2016
Topic	<b>Drugs acting on cardiovascular system</b>
Task	For relief of hypertensive crisis a doctor has administered a patient a drug that apart from antihypertensive effect has also sedative, spasmolytic and anti-convulsive action. The drug was taken parenterally. When it is taken enterally it acts as a laxative and cholagogue. What drug was administered?
correct answer	Magnesium sulfate
B	Dibasolum
C	Reserpine
D	No-spa
E	Apressin
No	krok 2016
Topic	<b>Drugs acting on metabolism, blood and immunity</b>

Task	A 13-year-old girl has been prescribed a certain drug for treatment of megaloblastic anemia. This drug stimulates a transfer from megaloblastic haemopoiesis to normoblastic, participates in synthesis of purine and pyrimidine bases, activates protein and methionine synthesis. What drug does the patient take?
correct answer	Cyanocobalamin
B	Ferric sulfate
C	Haemostimulinum
D	Erythropoietin
E	Rosehip tea
No	krok 2016
Topic	<b>General pharmacology</b>
Task	A patient has been administered conduction anesthesia with novocaine in preparation for tooth extraction. After the anesthesia administration the patient developed swelling and hyperemia around the injection site, skin itch, general fatigue, motor agitation. Name the developed complication:
correct answer	Allergy
B	Idiosyncrasy
C	Tachyphylaxis
D	Drug dependence
E	Inflammation
No	krok 2016
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 30-year-old patient after a case of viral hepatitis type B has developed complaints of continuous nasal hemorrhages. What drug would be the most advisable for treatment of this condition?
correct answer	Menadione (Vicasolum)
B	Nadroparin calcium (Fraxiparine)
C	Folic acid
D	Dipyridamol
E	Asparcam

No	krok 2016
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient is being prepared for a surgery - partial mandibular resection. What drug should be administered to decrease salivation?
correct answer	Atropine sulfate
B	Carbacholine
C	Armine
D	Tubocurarin chloride
E	Lobeline
No	krok 2016
Topic	<b>Antimicrobial agents</b>
Task	A dentist has detected symptoms of parodontosis in a patient. What anti-protozoal drug should be
correct answer	Metronidazole
B	Levamisole
C	Griseofulvin
D	Mykoseptin
E	Furazolidone
No	krok 2015
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	To perform conduction anesthesia a patient had been administered a drug used in dental surgery. It was followed by the symptoms of poisoning: central nervous system excitation with following paralysis, and acute cardiovascular insufficiency (collapse). Additionally there were allergic reactions (itching, swelling, erythema). Name this drug.
correct answer	Lidocaine
B	Suxamethonium chloride
C	Thiopental sodium
D	Tubocurarin chloride

E	Pipecuronium bromide
No	krok 2015
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient in a collaptoid state has been given an injection of mesatonum for the correction of blood pressure. What is the mechanism of this drug action?
correct answer	It stimulates $\alpha$ -adrenergic receptors
B	It stimulates $\beta$ -adrenergic receptors
C	It blocks $\alpha$ -adrenergic receptors
D	It blocks $\beta$ -adrenergic receptors
E	It stimulates $\alpha$ - and $\beta$ -adrenergic receptors
No	krok 2015
Topic	<b>Drugs acting on the CNS</b>
Task	A 42-year-old female patient consulted a doctor about pain in the knee joints. Objectively there is swelling, redness, hyperthermia in the region of these joints. Laboratory testing revealed positive acute phase reactants. What drugs should be used to treat this patient?
correct answer	Anti-inflammatory drugs
B	Narcotic analgesics
C	Antidepressants
D	Antibiotics
E	Sulfonamides
No	krok 2015
Topic	<b>Antimicrobial agents</b>
Task	A patient being treated for tuberculosis is suffering from hearing deterioration. What drug causes this complication?
correct answer	Streptomycin
B	Isonicotinic acid hydrazide (Isoniazid)
C	Kanamycin sulphate

D	Ethionamide
E	Rifampicin
No	krok 2015
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient complains about retrosternal pain, dyspnea and palpitation. After examination he was diagnosed with coronary heart disease and prescribed verapamil. What is the mechanism of its action?
correct answer	It blocks calcium channels
B	It blocks $\alpha$ -adrenoreceptors
C	It blocks $\beta$ -adrenoreceptors
D	It blocks potassium channels
E	It blocks sodium channels
No	krok 2015
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A doctor has prescribed clonidine for rapid relief of hypertensive crisis. What group does this drug belong to according to its mechanism of action?
correct answer	Central $\alpha_2$ -adrenoceptor agonist
B	$\alpha$ -adrenergic blocking agent
C	Nonselective $\alpha$ -adrenoceptor agonist
D	Selective $\alpha_1$ -adrenoceptor agonist
E	Selective $\beta_1$ -adrenergic blocking agent
No	krok 2015
Topic	<b>Antimicrobial agents</b>
Task	A patient has been diagnosed with bacillary dysentery. What drug of those listed below should be
correct answer	Amoxicillin
B	Benzympenicillin sodium salt
C	Isonicotinic acid hydrazide (Isoniazid)

D	Itraconazole
E	Acyclovir
No	krok 2015
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient was taken to a hospital with dizziness, dry mouth, mydriatic pupils, accommodation disorder, tachycardia, difficult urination, intestinal atony. These symptoms might have been caused by overdose of the following drug:
correct answer	Atropine sulfate
B	Furosemide
C	Clonidine
D	Captopril
E	Prazosin
No	krok 2015
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 30-year-old driver complains of allergic rhinitis that usually exacerbates in spring. He has been administered an anti-histamine drug with a slight sedative effect and 24-hour period of action. Which of the listed drugs has been administered?
correct answer	Loratadine
B	Dimedrol
C	Heparin
D	Vicasol
E	Oxytocin
No	krok 2015
Topic	<b>Antimicrobial agents</b>
Task	A patient suffers from a severe life-threatening generalised septic infection. What group of chemotherapeutical drugs should be prescribed in this case?
correct answer	Cephalosporines



B	Tetracyclines
C	Sulfanilamides
D	Chloramphenicol group
E	Macrolides
No	krok 2015
Topic	<b>Drugs acting on the CNS</b>
Task	To prevent possible negative effect upon the gastric muca a patient with rheumatoid arthritis was administered a nonsteroid anti-inflammatory drug - a COX-2 selective inhibitor. Specify this drug:
correct answer	Celecoxib
B	Analgin
C	Acetylsalicylic acid
D	Butadion
E	Ibuprofen
No	krok 2015
Topic	<b>Antimicrobial agents</b>
Task	A 46-year-old patient consulted a doctor about pustular rash on the skin of the limbs. What antiseptic should be administered to the patient?
correct answer	Alcohol solution of iodine
B	Insulin
C	Prednisolone
D	Sibazon
E	Heparin
No	krok 2015
Topic	<b>Drugs acting on the CNS</b>
Task	A patient suffering from stenocardia takes 100 mg of acetylsalicylic acid daily. What is the effect of acetylsalicylic acid in this patient?
correct answer	Inhibition of thrombocyte aggregation

B	Inhibition of blood coagulation
C	Dilatation of coronary vessels
D	Prothrombin rate reduction
E	Cholesterol rate reduction
No	krok 2015
Topic	<b>Drugs acting on the CNS</b>
Task	A 45-year-old female patient has neurosis with irritability, insomnia, amotivational anxiety. What tranquilizer will be able to eliminate all symptoms of the disease?
correct answer	Diazepam
B	Paracetamol
C	Piracetam
D	Caffeine-sodium benzoate
E	Levodopa
No	krok 2015
Topic	<b>Drugs acting on the CNS + Antimicrobial agents</b>
Task	A patient is diagnosed with acute morphine hydrochloride poisoning. Choose the oxidant drug to be prescribed for gastric lavage.
correct answer	Potassium permanganate
B	Chloramine
C	Sulfocamphocainum (Procaine+Sulfocamphoric acid)
D	Cerigel
E	Chlorhexidine digluconate
No	krok 2015
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 26-year-old woman at 40 weeks' gestation was admitted to the maternity ward. Examination revealed that the cervix was open, but uterine contractions were absent. The doctor gave her a hormonal drug to induce labor. Specify this drug:

correct answer	Oxytocin
B	Hydrocortisone
C	Estrone
D	Testosterone
E	ACTH
No	krok 2015
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A female patient suffering from coronary artery disease has been prescribed amiodarone that has antianginal action. What other action does this drug have?
correct answer	Antiarrhythmic
B	Analgesic
C	Local anaesthetic
D	Anti-inflammatory
E	Anti-shock
No	krok 2015
Topic	<b>General pharmacology</b>
Task	A patient with acute cardiac failure has been taking cardiac glycoside drug for a long time. He has developed the following symptoms: nausea, fatigue, extrasystole. What is the cause of this symptoms?
correct answer	Material cumulation
B	Idiosyncrasy
C	Acquired tolerance
D	Functional cumulation
E	Drug addiction
No	krok 2015
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Novocaine acts as an anesthetic by making nerve fibers unable to conduct stimulation. What mechanism of action regarding membrane's permeability to ions does this drug have?

correct answer	Sodium ion-selective channels blockade
B	Potassium ion-selective channels blockade
C	Calcium ion-selective channels blockade
D	Sodium-potassium pump blockade
E	Sodium-proton pump blockade
No	krok 2015, 2012
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient presented to a hospital with complaints about quick fatigability and significant muscle weakness. Examination revealed an autoimmune disease that causes functional disorder of receptors in the neuromuscular synapses. This will result in the disturbed activity of the following mediator:
correct answer	Acetylcholine
B	Noradrenaline
C	Dopamine
D	Serotonin
E	Glycine
No	krok 2015
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 60-year-old patient has taken a drug to relieve angina pectoris attack; in several minutes pain felt in the breastbone area abated, but it was followed by feeling of vertigo, headache, tinnitus, and hyperemia of face. What drug has he taken?
correct answer	Nitroglycerine
B	Validol
C	Nifedipine
D	Verapamil
E	Amiodarone
No	krok 2015
Topic	<b>Antimicrobial agents</b>

Task	A dentist has detected symptoms of parodontosis in a patient. What anti-protozoal drug should be
correct answer	Metronidazole
B	Levamisole
C	Griseofulvin
D	Mykoseptin
E	Furazolidone
No	krok 2015
Topic	<b>Drugs acting on cardiovascular system+ Drugs acting on metabolism, blood and immunity</b>
Task	A 50-year-old patient with a hypertensive crisis had been administered magnesium sulfate, which led to an abrupt decrease in blood pressure. The side effects of magnesium sulfate can be avoided if the following drug is administered:
correct answer	Calcium chloride
B	Potassium chloride
C	Trilon B
D	Sodium bromide
E	Sodium sulfate
No	krok 2014
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with arterial hypertension has developed a bronchial asthma attack. Which of the following bronchodilators may provoke a hypertensive crisis?
correct answer	Ephedrine hydrochloride
B	Salbutamol
C	Aminophylline
D	Berotec
E	Isadrine
No	krok 2014
Topic	<b>Drugs acting on cardiovascular system</b>

Task	A paroxysm of tachycardia occurred in a patient undergoing a dental procedure. Which of the following drugs should be used to relieve it?
correct answer	Verapamil
B	Isadrinum
C	Atropine
D	Dipheninum
E	Nitroglycerine
No	krok 2014
Topic	<b>Drugs acting on the CNS</b>
Task	To perform a scheduled surgery on the upper jaw, a surgeon decided to apply ataralgesia. What medications are used for this manipulation?
correct answer	Tranquilizers
B	General anesthetics
C	Narcotic analgesics
D	Non-narcotic analgesics
E	Sedatives
No	krok 2014
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 55-year-old male patient with acute heart failure has been administered a quickrelief cardiac glycoside. Which of the following drugs has been given to the patient?
correct answer	Strophanthin
B	Adonisidum
C	Digitoxin
D	Celanid
E	Milrinone
No	krok 2014
Topic	<b>Antimicrobial agents</b>

Task	Penicillin group which would be resistant to penicillinase. What drug can be recommended?
correct answer	Oxacillin
B	Amoxicillin
C	Carbenicillin
D	Azlocillin
E	Ampicillin
No	krok 2014
Topic	<b>Drugs acting on the CNS</b>
Task	A 49-year-old patient has psychotic manifestations in form of psychomotor agitation, auditory and visual hallucinations. What drug is indicated in the described case?
correct answer	Haloperidol
B	Sodium bromide
C	Diazepam
D	Valerian tincture
E	Chlordiazepoxide
No	krok 2014
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 58-year-old patient with essential hypertension complains about general health deterioration. She has been administered methyldopa. Specify the mechanism of this drug action:
correct answer	Inhibition of noradrenaline synthesis
B	Increase in acetylcholine synthesis
C	Blockade of $\beta$ -adrenergic receptors
D	Blockade of $\alpha$ -adrenergic receptors
E	Inhibition of angiotensin-converting factor
No	krok 2014, 2013
Topic	<b>Antimicrobial agents</b>

Task	A 30-year-old patient with pneumonia has been administered a 3-day course of an antibiotic from the group of azalides that has bactericidal effect, prolonged action, the ability to bind to phagocytic cells and accumulate in the infection foci. What drug has been administered?
correct answer	Azithromycin
B	Erythromycin
C	Benzympenicillin sodium salt
D	Isoniazid
E	Ciprofloxacin
No	krok 2014
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 57-year-old patient with coronary artery disease has been administered an antianginal agent that activates guanylate cyclase and accumulates myocardial cGMP. What drug is it?
correct answer	Isosorbide mononitrate
B	Dipyridamole
C	Panangin
D	Validol
E	Verapamil
No	krok 2014
Topic	<b>Antimicrobial agents</b>
Task	A 24-year-old patient with catarrhal tonsillitis has been administered a drug from the group of sulfonamides. Specify the mechanism of sulfonamide antibacterial action:
correct answer	Competitive antagonism of PABA
B	Disruption of the cell wall protein synthesis
C	Reduction of membrane permeability
D	Inhibition of sulfhydryl groups of thiol enzymes
E	Protein coagulation
No	krok 2014



Topic	<b>Drugs acting on the CNS</b>
Task	A 39-year-old patient with arthritis of the temporomandibular joint has been administered diclofenac sodium. It must be kept in mind that the side effect of prolonged use of this drug is:
correct answer	Ulcerogenicity
B	Teratogenicity
C	Ototoxicity
D	Carcinogenicity
E	Drug dependence
No	krok 2014
Topic	<b>Antimicrobial agents</b>
Task	A female who had been continuously taking antibiotics for an intestinal infection developed a complication manifested by inflammation of the oral mucosa and white deposit. Bacteriological study of the deposit samples revealed yeast fungi <i>Candida albicans</i> . Which of the following medications is indicated for the treatment of this complication?
correct answer	Fluconazole
B	Biseptol
C	Tetracycline
D	Furazolidone
E	Polymyxin
No	krok 2014
Topic	<b>Antimicrobial agents</b>
Task	For the treatment of periostitis a 35-year-old patient should be administered an antibiotic with a high ability to penetrate into the bone tissue. Specify this drug:
correct answer	Doxycycline hydrochloride
B	Streptomycin
C	Erythromycin
D	Chloramphenicol

E	Kanamycin
No	krok 2014, 2013
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with a severe maxillofacial trauma has been delivered to the emergency department. What drug should be given this patient to relieve pain shock?
correct answer	Promedol
B	Sydnocarb
C	Ibuprofen
D	Pantogam
E	Mydocalm
No	krok 2014
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	After using a toothpaste a 27-year-old patient has developed Quincke's edema. Administer a drug from the group of histamine H1-receptor antagonists for the treatment of this condition:
correct answer	Dimedrol
B	Paracetamol
C	Digoxin
D	Chlorpromazine
E	Analgin
No	krok 2014
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	After a patient had taken a blocking agent, his heart rate (HR) increased. Pressing on the eyeballs didn't result in the expected reflectory decrease in heart rate. What exactly was blocked by the drug in the
correct answer	M-cholinergic receptors
B	$\alpha_1$ -adrenergic receptors
C	$\beta$ -adrenergic receptors

D	$Ca^{2+}$ -L-type channels
E	Fast $Na^+$ channels
No	krok 2014
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A 36- year-old patient has gastric ulcer (with increased acidity). Which of the listed below drugs will reduce the secretion of hydrochloric acid with a minimum of side effects?
correct answer	Famotidine
B	Atropine
C	Pirenzepine
D	Almagel
E	-
No	krok 2014
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	Activation of free radical processes is a universal mechanism that triggers cell death. What inhibitors of this process should be administered as a part of therapeutic interventions intended for the treatment of generalized periodontitis?
correct answer	Tocopherol, ascorbate
B	Riboflavin, pyridoxine
C	Calciferol, naphthoquinone
D	Thiamin, folate
E	Cobalamin, pantothenic acid
No	krok 2014
Topic	<b>Drugs acting on the CNS</b>
Task	With the purpose of analgesia, a narcotic analgesic has been used with a benzodiazepine drug. What drug has been used to potentiate analgesia?
correct answer	Diazepam

B	Chlorprothixene
C	Triflazin
D	Carbamazepine
E	Imizinum
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	Certain infections caused by bacteria are treated with sulphanilamides that block the synthesis of bacterial growth factor. What is the mechanism of these drugs action?
correct answer	They are antivitamins of para-aminobenzoic acid
B	They inhibit the folic acid absorption
C	They are allosteric enzyme inhibitors
D	They are involved in redox processes
E	They are allosteric enzymes
No	krok 2013
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with periodontitis has been administered a glucocorticoid drug in form of an ointment. Specify this ointment:
correct answer	Prednisolone
B	Tetracycline
C	Decamine
D	Ampicillin
E	Erythromycin
No	krok 2013
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has a systemic inflammatory lesion of connective tissue. Which antiinflammatory drug will reduce all the inflammatory phases?
correct answer	Prednisolone

B	Contrycal
C	Phenylbutazone
D	Indomethacin
E	Diclofenac sodium
No	krok 2013
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	During a surgery, the anesthesiologist used a ganglionic blocker for controlled hypotension. What drug was given the patient in this case?
correct answer	Hygronium
B	Benzohexonium
C	Pirilenum
D	Pentaminum
E	Pachycarpinum
No	krok 2013
Topic	<b>Agents influencing on afferent and efferent innervations+ Drugs acting on cardiovascular system</b>
Task	A patient with acute heart failure refractory to cardiac glycosides was given an injection of dobutamine. What is the mechanism of action of this drug?
correct answer	Stimulation of $\beta$ -1-adrenergic receptors
B	Complexation with membrane phospholipids
C	Inhibition of $K^+$ , $Na^+$ - ATPase
D	Inhibition of phosphodiesterase activity
E	Increase of <i>n.vagus</i> tonus
No	krok 2013
Topic	<b>Drugs acting on cardiovascular system + General pharmacology</b>

Task	A patient with chronic heart failure has been taking digoxin for several months on an outpatient basis. At a certain stage of treatment, he got symptoms of drug overdose. What effect underlies the development of this complication?
correct answer	Material accumulation
B	Adaptation
C	Sensibilization
D	Functional cumulation
E	Tachyphylaxis
No	krok 2013
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	In the framework of complex treatment of gingivitis a patient has been administered a drug that stimulates leucopoiesis, accelerates wound healing, enhances the growth and proliferation of cells, has the antiinflammatory effect. It is applied for treatment of leukopenias of different genesis, in the dental practice it is used for treatment of inflammatory diseases of the oral mucosa. Identify the drug:
correct answer	Pentoxylum
B	Mercaptopurine
C	Methotrexate
D	Cyanocobalamin
E	Coamide
No	krok 2013
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with rheumatoid arthritis has been given hydrocortisone for a long time. He has developed hyperglycemia, polyuria, glycosuria, thirst. These complications of treatment result from the activation of the following process:
correct answer	Gluconeogenesis
B	Glycogenolysis
C	Glycogenesis

D	Glycolysis
E	Lipolysis
No	krok 2013, 2011
Topic	<b>Drugs acting on the CNS</b>
Task	Depressions and emotional disorders result from noradrenaline, serotonin and other biogenic amines deficiency in brain. Concentration of these compounds in synapses can be increased by means of antidepressants that inhibit the activity of the following enzyme:
correct answer	Monoamine oxidase
B	Diamine oxidase
C	L-amino acid oxidase
D	D-amino acid oxidase
E	Phenylalanine-4-monooxygenase
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	A patient has been diagnosed with sepsis. It was decided to treat him with a drug from the fluoroquinolone group. Specify this drug:
correct answer	Ciprofloxacin
B	Cefpirome
C	Metronidazole
D	Ampicillin
E	Cephalexin
No	krok 2013
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Curarelike substances (dithylinum) make it impossible for skeletal muscles to contract because they block:
correct answer	Neuromuscular synapses
B	Central synapses
C	Ganglionic synapses

D	Membrane conduction of excitement
E	Proprioceptors
No	krok 2013
Topic	<b>Preperations for pharmacotherapy of different systems pathology</b>
Task	A patient has acute laryngotracheitis with nonproductive cough that is very exhaustive. Prescribe an antitussive drug:
correct answer	Glaucine
B	Ambroxol
C	Mucaltin
D	Herba Thermopsidis
E	Acetylcystein
No	krok 2013
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with a malignant neoplasm on the upper jaw had been administered morphine hydrochloride for analgesia. The injection induced respiratory depression, pupil constriction, cyanosis, hypothermia, loss of consciousness. What antidote must be used?
correct answer	Naloxone
B	Atropine sulfate
C	Droperidol
D	Promedol
E	Adrenalin hydrochloride
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	A patient with mandibular osteomyelitis has been administered an antibiotic from the tetracycline group. Specify this drug:
correct answer	Doxycycline hydrochloride
B	Rifampicin



C	Streptomycin
D	Oxacillin
E	Amikacin
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	A patient has herpetic conjunctivitis. What etiologic drug should be administered?
correct answer	Acyclovir
B	Ampicillin
C	Methisazonum
D	Furagin
E	Tetracycline
No	krok 2013
Topic	<b>Drugs acting on the CNS</b>
Task	A patient has the pronounced pain syndrome induced by neuralgia. What drug from the group of nonsteroidal anti-inflammatory drugs will reduce pain sensitivity?
correct answer	Diclofenac sodium
B	Codeine phosphate
C	Ketamine hydrochloride
D	Lidocaine hydrochloride
E	Droperidol
No	krok 2013
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with arthritis and varicose veins has been taking a nonsteroidal antiinflammatory drug for a long time, which caused the thrombosis of cutaneous veins. Which of the listed drugs might have caused this complication?
correct answer	Celecoxib
B	Indomethacin

C	Aspirin
D	Phenylbutazone
E	Ibuprofen
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	After starting treatment for pulmonary tuberculosis a patient complained about red tears and urine. What drug could cause such changes?
correct answer	Rifampicin
B	Benzympenicillin sodium salt
C	Benzympenicillin potassium salt
D	Biseptol-480
E	Cefazolin
No	krok 2013
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with chronic heart failure had been taking digitoxin for several months, during digitalization the following symptoms developed: headache, nausea, diarrhea, loss of appetite, impaired color vision, bradycardia. What antidote should be administered to reduce the intoxication symptoms?
correct answer	Unithiol
B	Atropine sulfate
C	Prednisolone
D	Adrenalin hydrochloride
E	Naloxone
No	krok 2013
Topic	<b>Antimicrobial agents</b>
Task	Following treatment with a highly-efficient anti-tuberculosis drug a 48-year-old female developed optic nerve neuritis, memory impairment, cramps. Which of these anti-TB drugs had the patient taken?
correct answer	Isoniazid

B	PASA
C	Rifampicin
D	Ethambutol
E	Kanamycin sulfate
No	krok 2012, 2007
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	Examination of a child who hasn't got fresh fruit and vegetables during winter revealed numerous subcutaneous hemorrhages, gingivitis, carious cavities in teeth. What vitamin combination should be
correct answer	Ascorbic acid and rutin
B	Thiamine and pyridoxine
C	Folic acid and cobalamin
D	Riboflavin and nicotinamide
E	Calciferol and ascorbic acid
No	krok 2012, 2011, 2010
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 65-year-old patient with chronic heart failure has been taking digitoxin in self-administered dosages for a long time. She was admitted to the hospital for general health aggravation, arrhythmia, nausea, reduced diuresis, insomnia. What is the primary action to be taken?
correct answer	To withhold digitoxin
B	To reduce digitoxin dosage
C	To administer strophanthine intravenously
D	To administer digoxin
E	To give an intravenous injection of calcium gluconate solution
No	krok 2012
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has myocardial infarction with thrombosis of the left coronary artery. What pharmacological preparation group should be used to reestablish blood flow?

correct answer	Fibrinolysis activators
B	Narcotic analgesics
C	$\beta$ -adrenergic blockers
D	Angiotensin-converting enzyme inhibitors
E	Glucocorticoids
No	krok 2012, 2008
Topic	<b>Antimicrobial agents</b>
Task	For the purpose of disinfection of nonmetallic surgical instruments the formaldehyde solution was used. What group does this antiseptic preparation belong to according to its chemical structure?
correct answer	Aliphatics
B	Aromatics
C	Alcohols
D	Halogenated compounds
E	Detergents
No	krok 2012, 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Before the infiltration anaesthesia a patient had been tested for sensitivity to novocaine. The reaction turned out to be positive. Which of the below listed drugs can be used for anaesthetization in this case?
correct answer	Lidocaine
B	Procainamide hydrochloride
C	Trimecaine
D	Anesthezin
E	Tetracaine
No	krok 2012, 2007
Topic	<b>Antimicrobial agents</b>

Task	A stomatologists examined first-grade pupils and revealed that one of children had yellowish brown teeth, two of them were split. Heretofore the pupil was treated with "some pills"on account of pneumonia. What medication could have had such a negative effect upon teeth?
correct answer	Doxycycline
B	Oxacillin
C	Erythromycin
D	Ampicillin
E	Biseptol
№	krok 2012
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has a slowly healing fracture. What medicine can be used to accelerate formation of connective tissue matrix?
correct answer	Methyluracil
B	Prednisolone
C	Cyclophosphan
D	Methotrexate
E	Cyclosporine
№	krok 2012
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	Leukoses are treated with antimetabolite methotrexate. What vitamin is its antagonist?
correct answer	Folic acid
B	Cyanocobalamin
C	Phyllochinone
D	Piridoxine
E	Rutin
№	krok 2012, 2011, 2010
Topic	<b>Drugs acting on the CNS</b>

Task	A patient consulted a dentist about the temporomandibular joint arthritis. The dentist administered an ointment containing diclofenac sodium. What is its mechanism of action?
correct answer	Cyclooxygenase inhibition
B	Phospholipase inhibition
C	Opiate receptor activation
D	Opiate receptor block
E	Cyclooxygenase activation
№	krok 2012, 2011, 2010
Topic	<b>Drugs acting on the CNS+ General pharmacology</b>
Task	While under barbituric anaesthesia a 65-year-old male patient developed respiratory inhibition. Anesthesiologist made him a 10 ml intravenous injection of 0,5% bemegride solution. The patient's condition got better, the pulmonary ventilation volume increased. What phenomenon underlies the interaction of these
correct answer	Direct antagonism
B	Indirect antagonism
C	Unilateral antagonism
D	Direct synergism
E	Indirect synergism
№	krok 2012
Topic	<b>Antimicrobial agents</b>
Task	After the second abortion a 23-year-old woman has been diagnosed with toxoplasmosis. Which drug should be used for toxoplasmosis treatment?
correct answer	Co-trimoxazole
B	Itraconazole
C	Mebendazole
D	Azidothymidine
E	Acyclovir
№	krok 2012

Topic	<b>Antimicrobial agents</b>
Task	After 4 months of treatment for tuberculosis the patient began complaining of toes and fingers numbness, sensation of creeps. He was diagnosed with polyneuritis. What antituberculous drug might have caused these complications?
correct answer	Isoniazid
B	Rifampicin
C	Ciprofloxacin
D	Sodium salt of benzylpenicillin
E	Alcohol iodine solution
№	krok 2012
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	An elderly patient has chronic constipations induced by large intestine hypotonia. What drug should be administered?
correct answer	Bisacodyl
B	Sodium sulphate
C	Castor oil
D	Atropine
E	Novocaine amide
№	krok 2012
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with epilepsy and depressive reaction has been administered a drug that reduced epilepsy manifestations and improved the patient's psychic condition.
correct answer	Sodium valproate
B	Ethosuxemide
C	Amitriptyline
D	Phenytoin
E	Phenobarbital

No	krok 2012, 2010, 2009
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient suffering from non-insulin-dependent diabetes mellitus was prescribed glibenclamid internally. What is the mechanism of its hypoglycemic action?
correct answer	It stimulates generation of endogenous insulin by beta cells
B	It inhibits gluconeogenesis in liver
C	It intensifies utilization of glucose by peripheral tissues
D	It inhibits glucose absorption in the bowels
E	It inhibits alpha glucosidase and polysaccharide breakdown
No	krok 2012, 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A man got poisoned with mushrooms. They contain muscarine that stimulates muscarinic cholinoreceptors. What symptom is typical for poisoning with inedible mushrooms?
correct answer	Miosis
B	Mydriasis
C	Bronchi dilation
D	Heart rate rise
E	Arterial pressure rise
No	krok 2012, 2011
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 12-year-old child presents with intolerance to some foodstuffs. Their consumption causes an allergic reaction in form of itching skin eruption. What antihistaminic drug should be administered that won't have any negative impact on the child's school studies (with no sleepiness effect)?
correct answer	Loratadine
B	Dimedrol
C	Sodium diclofenac
D	Aminophylline



E	Mesatonum
No	krok 2012
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 46-year-old female patient needs a surgery in the maxillofacial region. It is known that the patient is disposed to increased hemocoagulation. What natural anticoagulant can be used in order to prevent
correct answer	Heparin
B	Hirudin
C	Sodium citrate
D	Fibrinolysin
E	None of the listed drugs
No	krok 2012, 2009
Topic	<b>Antimicrobial agents</b>
Task	A patient consulted a dentist about itching and burning in the oral cavity; high temperature. The patient was diagnosed with trichomonal gingivostomatitis. What drug should be chosen for his treatment?
correct answer	Metronidazole
B	Ampicillin
C	Doxycycline hydrochloride
D	Gentamicin sulfate
E	Nystatin
No	krok 2012, 2010
Topic	<b>Antimicrobial agents</b>
Task	A patient suffering form stomatitis was prescribed oral rinsing. Which antiseptic from the oxidant group is the most suitable for this purpose?
correct answer	Potassium permanganate
B	Boric acid
C	Alcoholic iodine solution
D	Ethyl alcohol

E	Chloramine
No	krok 2012
Topic	<b>Drugs acting on the CNS+ Drugs acting on cardiovascular system</b>
Task	A patient has been diagnosed with transmural myocardial infarction. What drug should be given in order to prevent cardiogenic shock?
correct answer	Promedol
B	Reserpin
C	Octadine
D	Phentolamine
E	Analgin
No	krok 2012
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with ischemic heart disease has been administered an antianginal drug that reduces the myocardial oxygen consumption and improves blood supply of myocardium. What drug is it?
correct answer	Nitroglycerine
B	Validol
C	Propranolol
D	Promedol
E	Retabolil
No	krok 2012
Topic	<b>Drugs acting on the CNS</b>
Task	A patient presents with dysfunction of cerebral cortex accompanied by epileptic seizures. He has been administered a biogenic amine synthesized from glutamate and responsible for central inhibition. What substance is it?
correct answer	Gamma-amino butyric acid
B	Serotonin
C	Dopamine

D	Acetylcholine
E	Histamine
No	krok 2012
Topic	<b>Agents influencing on afferent and efferent innervations+ Drugs acting on cardiovascular system</b>
Task	For relief of hypertensive crisis a doctor administered a patient a drug that apart from antihypertensive effect has also sedative, spasmolytic and anti-convulsive effect. The drug was taken parenterally. When it is taken enterally it acts as a laxative and cholagogue. What drug was administered?
correct answer	Magnesium sulfate
B	Dibasolum
C	Reserpine
D	No-spa
E	Apressin
No	krok 2012
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with chronic bronchitis has been administered an expectorant that disintegrates disulphide bonds of sputum glycosaminoglycan thus reducing its viscosity. The patient has been also warned about possible bronchospasm. What drug has been administered?
correct answer	Acetylcysteine
B	Libxine
C	Bromhexine
D	Thermopsis herb
E	Sodium hydrocarbonate
No	krok 2012
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with diabetes mellitus complicated by angiopathy has been recommended a drug which is a sulphonyl urease derivate of the second generation. It improves microcirculation and is known for its relatively good tolerance. What drug is it?

correct answer	Glibenclamide
B	Glibutidum
C	Insulin
D	Acarbose
E	Adrenalin
No	krok 2012
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient in grave condition has been delivered to the admission ward. Examination revealed pupil mydriasis, no reaction to the light, considerable reddening and dryness of skin and mucous membranes. What drug might have caused the intoxication symptoms?
correct answer	Atropine sulphate
B	Proserin
C	Adrenalin hydrochloride
D	Pilocarpine hydrochloride
E	Dithylinum
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Dentists commonly practice local anaesthetization by applying novocain solution with 0,1% adrenalin solution. The added adrenalin induces:
correct answer	Local vasoconstriction
B	Local vasodilatation
C	Arterial pressure drop
D	Decrease in vascular resistance
E	Arterial pressure rise
No	krok 2011
Topic	<b>Drugs acting on the CNS</b>

Task	Before a tooth extraction a 48-year-old female patient received an injection of diazepam. Anxiolytic effect of this drug can be explained by:
correct answer	Interaction with benzodiazepine receptors
B	$\beta$ -adrenoreceptor block
C	M-cholinoreceptor activation
D	Dopamine receptor block
E	$\alpha$ -adrenoreceptor block
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	In order to reduce salivation before a stomatological procedure a dentist gave his patient 10 drops of 0,1% solution of atropine sulfate perorally. 30 minutes later the patient started complaining of acute pain in the eyeballs, misty vision, headache, palpitation. These symptoms were eliminated by means of the following
correct answer	Physostigmine
B	Aceclidine
C	Cytiton
D	Carbacholine
E	Phosphacol
No	krok 2011
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A 20-year-old patient complains of morbid thirst and huperdiuresis (up to 10 l daily). Glucose concentration in blood is normal but it is absent in urine. The patient has been diagnosed with diabetes insipidus. What hormonal drug is the most appropriate for management of this disorder?
correct answer	Vasopressin
B	Cortisol
C	Thyroxin
D	Oxytocin
E	Insulin

No	krok 2011, 2010
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient diagnosed with acute pancreatitis was admitted to the surgical department. Which drug administration would be pathogenetically grounded?
correct answer	Constrictor
B	Trypsin
C	Chymotrypsin
D	Pancreatin
E	Fibrinolysin
No	krok 2011
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with essential hypertension has been prescribed captopril. What is its mechanism of action?
correct answer	Inhibition of angiotensin-converting enzyme activity
B	$\beta$ -adrenoreceptor block
C	$\alpha$ -adrenoreceptor block
D	Angiotensin II receptor block
E	Peripheral vasodilating effect
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with bronchial asthma has been administered inhalations of 0,5% isadrin solution. This helped to relieve bronchospasms but the patient started complaining of heart pain and palpitation. What is the cause of these presentations?
correct answer	$\beta_1$ -adrenoreceptor stimulation
B	$\beta_2$ -adrenoreceptor stimulation
C	$\alpha$ -adrenoreceptor stimulation
D	M-cholinoreceptor activation

E	Inhibition of acetylcholine synthesis
No	krok 2011
Topic	<b>Antimicrobial agents</b>
Task	During examination of first-grade pupils a dentist revealed that one child had brown-yellow teeth and two split teeth. According to the child, previously he had been treated for pneumonia with "some" pills. What drug might have had such a negative impact on teeth?
correct answer	Doxycycline
B	Oxacillin
C	Erythromycin
D	Ampicillin
E	Biseptol
No	krok 2011
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A nurse accidentally injected a nearly double dose of insulin to a patient with diabetes mellitus. The patient lapsed into a hypoglycemic coma. What drug should be injected in order to help him out of coma?
correct answer	Glucose
B	Lidase
C	Insulin
D	Somatotropin
E	Noradrenaline
No	krok 2011
Topic	<b>Antimicrobial agents</b>
Task	A patient who has been taking tetracycline for a long time has developed candidosis of mucous membranes. What drug should be administered for its treatment?
correct answer	Itraconazole
B	Griseofulvin
C	Nitrofungin

D	Amphotericin
E	Nitrofurantoin
No	krok 2011
Topic	<b>Drugs acting on the CNS</b>
Task	A male patient waiting for tooth extraction has developed a strong sense of anxiety. Which drug should be given to him in order to relieve him of this discomfort?
correct answer	Diazepam
B	Aminazine
C	Analgin
D	Aethimizolum
E	Carbamazepine
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	During a visit to a dentist a patient has developed collapse. What drug can be applied to manage this
correct answer	Mesaton
B	Strophanthine
C	Propanolol
D	Nitroglycerine
E	Seduxen
No	krok 2011
Topic	<b>Antimicrobial agents</b>
Task	A patient with herpetic stomatitis was prescribed acyclovir for TOPICAL application. What is its mechanism of action?
correct answer	It inhibits synthesis of nucleic acids of viruses
B	It inhibits virus penetration into cells
C	It inhibits virus maturation
D	It increases the resistance of macroorganism cells to the viruses



E	It inhibits virion assembly
No	krok 2011
Topic	<b>Antimicrobial agents</b>
Task	An infectious patient manifests sensibilization to penicillin. Which of the following antibiotics is the safest to be applied in this case?
correct answer	Erythromycin
B	Bicillin
C	Ampicillin
D	Amoxicillin
E	Oxacillin
No	krok 2011
Topic	<b>Drugs acting on cardiovascular system</b>
Task	Among the specific hypocholesterolemic drugs the most effective are those blocking the synthesis of endogenic cholesterol in liver. Which of the below listed drugs has such mechanism of hypocholesterolemic
correct answer	Lovastatin
B	Probucol
C	Clofibrate
D	Linaethol
E	Allilcepum
No	krok 2011, 2010
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A 60-year-old patient consulted a doctor about retrosternal pain arising immediately after physical exercise. He was prescribed nitroglycerin. The medication relieved retrosternal pain but the patient got acute headache. What is the likely mechanism of this side effect?
correct answer	Intracranial pressure rise
B	$\alpha$ -adrenoreceptor block
C	Phosphodiesterase block

D	Reduced accumulation of calcium ions
E	Inhibited formation of mediators in brain
No	krok 2011
Topic	<b>Drugs acting on the CNS+ General pharmacology</b>
Task	A patient diagnosed with morphinism has been admitted to the narcological department. A doctor noted a decrease in pharmacological activity of morphine. Repetitive use of a drug may result in tolerance to its effect, and this phenomenon is called:
correct answer	Addiction
B	Cumulation
C	Tachyphylaxis
D	Antagonism
E	Allergy
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient has a spasm of smooth muscles of bronchi. As the first aid it would be physiologically appropriate to inject the patient the antagonists of the following receptors:
correct answer	<i>M</i> -cholinoreceptors
B	<i>alpha</i> -adrenoreceptors
C	<i>N</i> -cholinoreceptors
D	<i>beta</i> -adrenoreceptors
E	Adenosine receptors
No	krok 2011
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	On the 2-3 day after stomach resection a patient is still experiencing a failure of intestinal peristalsis. In order to stimulate the motility of gastrointestinal tract the following drug should be administered:
correct answer	Proserin
B	Prazosin

C	Cyclodolum
D	Atropine sulphate
E	Noradrenaline hydrotartrate
No	krok 2010
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient who takes a blocker of membrane cytoceptors of efferent conductor synapses of autonomic nervous system complains about dry mouth. What receptors are blocked?
correct answer	Muscarinic cholinoreceptors
B	Nicotinic cholinoreceptors
C	$H_2$ -receptors
D	$\alpha$ -adrenoreceptors
E	$\beta$ -adrenoreceptors
No	krok 2010
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has increased pyruvate concentration in blood. Large amount of it is excreted with urine. What vitamin deficiency is observed?
correct answer	$B_1$
B	$E$
C	$B_3$
D	$B_6$
E	$B_2$
No	krok 2010, 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Introduction of a local anesthetic to a patient resulted in the development of anaphylactic shock. What is the leading mechanism of blood circulation disturbance?
correct answer	Decrease of vascular tone

B	Hypervolemia
C	Pain
D	Activation of sympathoadrenal system
E	Reduction of contractile myocardium function
No	krok 2010
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	In a surgical department of a stomatological polyclinic a patient is being prepared for tooth extraction. What drug should be added to the solution of a local anaesthetic in order to prolong its action?
correct answer	Adrenalin hydrochloride
B	Noradrenaline hydrotartrate
C	Isadrine
D	Salbutamol
E	Octadine
No	krok 2010
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient complains about shin pain which is getting worse during walking. Objectively: there is an edema and reddening along the vein. A doctor administered a direct coagulant to be applied TOPICally. What drug can be applied for this purpose?
correct answer	Heparin ointment
B	Salicylic ointment
C	Troxevasin ointment
D	Butadion ointment
E	Thrombin
No	krok 2010
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient is found to have increased permeability of blood vessel walls accompanied by increased gingival haemorrhage, petechial skin haemorrhages, dedentition. What pathology is observed in this patient?

correct answer	Hypovitaminosis C
B	Hypervitaminosis D
C	Hypervitaminosis C
D	Hypovitaminosis D
E	Hypovitaminosis A
No	krok 2010
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	While being at the dentist's a patient had an attack of bronchial asthma. The dentist applied a $\beta$ adrenomimetic drug in form of inhalations. What drug was applied?
correct answer	Salbutamol
B	Aminophylline
C	Adrenaline hydrochloride
D	Atropine sulfate
E	Ephedrine hydrochloride
No	krok 2010
Topic	<b>Drugs acting on the CNS</b>
Task	A female patient suffering from chronic hepatitis complains about an increased susceptibility to barbiturates, which previously induced no symptoms of intoxication. This may be explained through the following liver dysfunction:
correct answer	Metabolic
B	Cholepoietic
C	Hemodynamic
D	Hemopoietic
E	Phagocytal
No	krok 2010
Topic	<b>Drugs acting on the CNS</b>

Task	A patient with toxic paralysis of respiratory centre was given several cordiamin injections intended to stimulate the respiratory centre. What side effect may arise?
correct answer	Clonic convulsions
B	Tonic convulsions
C	Arrhythmia
D	Collapse
E	Bronchospasm
№	krok 2010
Topic	<b>Drugs acting on the CNS</b>
Task	After parenteral introduction of a medication a patient fell into a coma. He had Cheyne-Stokes respiration, apparently miotic pupils. The patellar reflex was preserved. What medication might have caused the intoxication?
correct answer	Morphine hydrochloride
B	Aminazine
C	Diazepam
D	Analgin
E	Phenobarbital
№	krok 2010
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient has applied eye drops containing atropine which resulted in persistent mydriasis. Which muscle was blocked?
correct answer	Pupil-contracting
B	Pupil-dilating
C	Ciliate
D	Rectus
E	Oblique
№	krok 2010

Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient has coronary heart disease. For its treatment he was prescribed an antianginal drug that activates guanylate cyclase and accumulates cyclic guanosine monophosphate in the myocardium cells. What drug is
correct answer	Isosorbide mononitrate
B	Dipiridamol
C	Panangine
D	Validol
E	Verapamil
No	krok 2010
Topic	<b>Drugs acting on the CNS</b>
Task	A patient was admitted to a surgical department for an operation. He has to undergo neuroleptanalgesia. To achieve neuroleptanalgesia it would be rational to combine fentanyl with the following medicine:
correct answer	Droperidol
B	Cholosasum
C	Salbutamol
D	Pilocarpine
E	Fraxiparine
No	krok 2010
Topic	<b>Drugs acting on the CNS</b>
Task	To prevent possible negative effect upon the gastric mucosa a patient with rheumatoid arthritis was administered a nonsteroid antiinflammatory drug - a COX-2 selective inhibitor. Specify this drug:
correct answer	Celecoxib
B	Analgin
C	Acetylsalicylic acid
D	Butadion
E	Ibuprofen
No	krok 2010, 2009

Topic	<b>Antimicrobial agents</b>
Task	A patient suffering from syphilis was prescribed a drug the action of which based upon disturbed generation of murein leading to death of the causative agent. What drug is it?
correct answer	Benzympenicillin sodium salt
B	Bijochinol
C	Ciprofloxacin
D	Azithromycin
E	Doxycycline hydrochloride
No	krok 2010, 2009
Topic	<b>General pharmacology</b>
Task	A patient who has been taking a certain drug for a long time cannot discontinue the use of it because this causes psychic and somatic disfunctions. The syndrome occurring at refraining from the use of a drug is
correct answer	Abstinence
B	Sensitization
C	Idiosyncrasy
D	Tachyphylaxis
E	Cumulation
No	krok 2010, 2008
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient in a cardiological department has arrhythmia. A doctor administered him amyodaron. What is the main mechanism of amyodaron's antiarrhythmic action?
correct answer	It blocks mostly potassium channels
B	It inhibits cholinoreceptors
C	It stimulates histamine receptors
D	It activates serotonin receptors
E	It alters myocardium susceptibility to the acetylcholine
No	krok 2010



Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with edemata was prescribed a $K^+$ -retaining diuretic - aldosterone antagonist. What drug is it?
correct answer	Spironolactone
B	Digoxin
C	Procainamide hydrochloride
D	Clonidine
E	Alopurinole
No	krok 2010
Topic	<b>Antimicrobial agents</b>
Task	A patient consulted a dentis about a lesion of his oral mucosa. He was diagnosed with herpetic stomatitis. Which of the following drugs will have an effect on etiologic factor?
correct answer	Acyclovir
B	Dimedrol
C	Paracetamol
D	Levamisole
E	Furacilinum
No	krok 2010
Topic	<b>Antimicrobial agents</b>
Task	A patient suffering from tuberculosis was treated with rifampicin, which caused drug resistance of tuberculosis mycobacteria. In order to reduce mycobacteria resistance, rifampicin should be combined with the following drug:
correct answer	Isoniazid
B	Acyclovir
C	Intraconazole
D	Metronidazole
E	Amoxicillin

No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient who takes blocker of membrane cytoceptors of efferent conductor synapses of autonomic nervous system complains about dry mouth. What receptors are blocked?
correct answer	Muscarinic cholinoreceptors
B	Nicotinic cholinoreceptors
C	$H_2$ -receptors
D	$\alpha$ -adrenoreceptors
E	$\beta$ -adrenoreceptors
No	krok 2009
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	Parodontosis is treated by means of antioxidants. Which of the following natural compounds is used as an antioxidant:
correct answer	Tocopherol
B	Thiamine
C	Gluconate
D	Pyridoxine
E	Choline
No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient had an attack of bronchial asthma in the dentist's office. The attack was arrested by salbutamol. This drug relates to the following group of therapeutic agents:
correct answer	$\beta_2$ -adrenomimetics
B	$\alpha$ -adrenomimetics
C	$\beta_1$ - $\beta_2$ -adrenomimetics
D	Sympatholytics

E	$\alpha$ - $\beta$ -adrenomimetics
No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with acute duodenal ulcer was admitted to the hospital. Analysis of gastric juice revealed hyperfunction of secretion and acid-forming in stomach. Choose a drug that can reduce secretory function of stomach due to inhibition of $H_2$ -receptors:
correct answer	Ranitidine
B	Extract of dry belladonna
C	Atropine
D	Methacin
E	Platyphyllin
No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations+ Drugs acting on cardiovascular system</b>
Task	A patient was administered clonidine to be taken parenterally in case of abrupt rise of arterial pressure. What is its mechanism of action?
correct answer	Stimulation of central $\alpha_2$ -adrenoreceptors
B	Block of nicotinic cholinoreceptors of ganglia
C	Block of $\alpha_1$ - and $\alpha_2$ -adrenoreceptors
D	Block of $\alpha_1$ -adrenoreceptors
E	Stimulation of central imidazole <sub>1</sub> -receptors
No	krok 2009, 2008
Topic	<b>General pharmacology</b>
Task	A patient was prescribed a drug with apparent lipophilic properties. What is the main mechanism of its absorption?
correct answer	Passive diffusion
B	Filtration

C	Active transport
D	Pinocytosis
E	Binding with transport proteins
No	krok 2009
Topic	<b>General pharmacology</b>
Task	A patient noticed symptoms of approaching attack of bronchial asthma and took several tablets one by one at short intervals out of the doctor's control. Short-term improvement of his condition came only after taking the first two tablets. Next intakes of a drug didn't improve his condition. Reduction of the drug effectiveness was caused by:
correct answer	Tachyphylaxis
B	Cumulation
C	Addiction
D	Dependence
E	Idiosyncrasy
No	krok 2009
Topic	<b>Antimicrobial agents</b>
Task	A patient with streptococcal infection of gums was prescribed a drug that contained beta-lactam ring in its structure. Which drug relates to this group?
correct answer	Benzylpenicillin
B	Rifampicin
C	Erythromycin
D	Streptomycin sulfate
E	Chloramphenicol
No	krok 2009
Topic	<b>General pharmacology</b>
Task	It was necessary to determine absolute gustation thresholds of a healthy man for different substances. The lowest threshold will be observed for the following substance:

correct answer	Quinine
B	Sodium chloride
C	Glucose
D	Saccharose
E	Citric acid
No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A female patient suffering from acute bronchitis complains about respiratory obstruction and cough with thick viscous sputum. She was prescribed a mucolytic agent that stimulates surfactant synthesis. What mucolytic agent was prescribed?
correct answer	Ambroxolum
B	Sodium hydrocarbonate
C	Morphine hydrochloride
D	Glaucin
E	Theophylline
No	krok 2009
Topic	<b>Antimicrobial agents</b>
Task	A patient was admitted to a hospital with poisoning with unsound food. His stomach was lavaged with solution of potassium permanganate. What is its mechanism of action?
correct answer	Release of atomic oxygen
B	Release of chlorine
C	Release of iodine
D	Disturbance of synthesis of respiratory chain enzymes
E	Destruction of bacteria membranes
No	krok 2009
Topic	<b>Drugs acting on cardiovascular system</b>

Task	A 70 year old patient suffering from cardiac insufficiency has been uncontrolledly taking digoxin that resulted in extrasystole, vomiting, vision impairment, anxiety, sleep disturbance, reduction of diuresis. Application of drugs relating to the following group will be pathogenetically reasonable in this case:
correct answer	Donators of sulfhydryc groups
B	Stimulants of $\beta_1$ -adrenoreceptors
C	Angiotensin II receptor blockers
D	Potassium channel blockers
E	Donators of nitrogen oxide
№	krok 2009
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	In order to speed up healing of the thermal injury it is required to prescribe a drug that facilitates epithelization of skin and mucous membranes. What drug is it?
correct answer	Retinol acetate
B	Tocopherol acetate
C	Nicotinic acid
D	Ergocalciferol
E	Ascorbic acid
№	krok 2009
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with ventricular arrhythmia was admitted to the cardiological department. What drug should be administered?
correct answer	Amiodarone
B	Amlodipine
C	Drotaverine
D	Aminazine
E	Proserin

No	krok 2009
Topic	<b>Drugs acting on cardiovascular system+ Agents influencing on afferent and efferent innervations</b>
Task	A patient with essential hypertension was admitted to the cardiological department. In order to lower arterial pressure a doctor prescribed a drug that blocks $\beta_1$ and $\beta_2$ -adrenoreceptors. What drug is it?
correct answer	Propranolol
B	Proserin
C	Celecoxib
D	Prednisolone
E	Indometacin
No	krok 2009
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with myocardium infarction was delivered to the resuscitation department. What drug should be injected to the patient for prophylaxis of pain shock?
correct answer	Promedol
B	Analgin
C	Paracetamol
D	Celecoxib
E	Naloxone
No	krok 2009
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with myocardium infarction was admitted to the resuscitation department. What drug should be injected to the patient in order to prevent thrombosis?
correct answer	Heparin
B	Chingamin
C	Thyroxine
D	Biseptol-480

E	Dimedrol
No	krok 2009
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient suffers from chronic left-ventricular insufficiency. What drug should be prescribed?
correct answer	Digoxin
B	Bemegrade
C	Etimizol
D	Vinpocetine
E	Pyracetam
No	krok 2009, 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient suffering from chronic bronchitis takes a synthetic mucolytic drug that stimulates sputum liquefaction. What drug is it?
correct answer	Acetylcysteine
B	Diazepam
C	Heparin
D	Furosemide
E	Enalapril
No	krok 2009
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has allergic rhinitis with profuse mucous discharges, itching, frequent sneezing. What drug should be chosen if you know that it selectively blocks histamine receptors?
correct answer	Loratadine
B	Mesatonum
C	Adrenaline hydrochloride
D	Naphthizin
E	Prednisolone



No	krok 2009
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with myocardium infarction was admitted to the cardiological department. In order to relieve his pain it was decided to potentiate action of fentanyl by a certain neuroleptic. What is the most suitable neuroleptic for neuroleptanalgesia?
correct answer	Droperidol
B	Aminazine
C	Triftazine
D	Haloperidol
E	Sulpiride
No	krok 2009
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient was delivered to the admission ward with poisoning with an insecticide of anticholinesterase action. What drug able to block muscarinic cholinoreceptors should be prescribed?
correct answer	Atropine sulfate
B	Pilocarpine hydrochloride
C	Dithylinum
D	Benzohexonium
E	Mesatonum
No	krok 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Dentists widely apply local anaesthesia adding adrenalin to an anaesthetic solution. What is the purpose of this method?
correct answer	Local vasoconstriction
B	Local vasodilatation
C	Lowering of arterial pressure
D	Local reduction of vascular resistance

E	Microcirculation improvement
No	krok 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with acute attack of duodenal ulcer was admitted to a hospital. Analysis of his gastric juice revealed intensification of secretory and acid-forming stomach functions. Choose a drug that will reduce secretory stomach function due to blockade of $H_2$ -receptors:
correct answer	Ranitidine
B	Belladonna extract
C	Atropine
D	Methacin
E	Platyphyllin
No	krok 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	After a surgical procedure a patient felt ill with enteroparesis. What medication from the group of anticholinesterase drugs should be prescribed?
correct answer	Proserin
B	Carbacholine
C	Aceclidine
D	Pilocarpine
E	Acetylcholine
No	krok 2008
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	For treatment of skin diseases with apparent inflammation in the maxillofacial area the TOPICAL glucocorticoids are applied. What preparation has the minimal resorptive effect?
correct answer	Flumethasoni pivalas
B	Prednisolone

C	Hydrocortisone
D	Triamcinolone
E	Dexamethasone
No	krok 2008
Topic	<b>Drugs acting on the CNS</b>
Task	A patient who attempted suicide in a state of serious depression was delivered to a hospital by an ambulance. What drugs should be administered?
correct answer	Antidepressants
B	Sedative
C	Neuroleptics
D	Tranquillizers
E	Lithium salts
No	krok 2008
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient has acute cardiac insufficiency resulting from essential hypertension. What drug is the most appropriate in this case?
correct answer	Corglycon
B	Digoxin
C	Cardiovalene
D	Caffeine
E	Cordiamin
No	krok 2008
Topic	<b>Drugs acting on cardiovascular system+ Agents influencing on afferent and efferent innervations</b>
Task	A patient suffers from bradyarrhythmia caused by hypertension. What drug should be administered?
correct answer	Platyphyllin hydrotartate
B	Clonidine
C	Papaverine hydrochloride

D	Reserpine
E	Methyldopa
No	krok 2008
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A student applied to a doctor and asked him to prescribe a drug for treatment of allergic rhinitis he fell ill with during linden flowering. What drug can be applied?
correct answer	Loratadine
B	Noradrenaline hydrochloride
C	Propranolol
D	Ambroxol
E	Losartan
No	krok 2008
Topic	<b>Antimicrobial agents</b>
Task	For the preparation of the burned skin surface of a patient a certain medication was applied. Its antiseptic properties are provided by free oxygen released in presence of organic substances. What medication is it?
correct answer	Potassium permanganate
B	Furacillin
C	Chlorhexidine
D	Alcoholic iodine solution
E	Sodium hydrocarbonate
No	krok 2008
Topic	<b>Antimicrobial agents</b>
Task	A 30 y.o. patient is diagnosed with amebic dysentery. This diagnosis was bacteriologically confirmed. Name the preparation for its treatment:
correct answer	Metronidazole
B	Mebendazole
C	Itrakonazole

D	Furacillin
E	Acyclovir
No	krok 2008
Topic	<b>Drugs acting on cardiovascular system</b>
Task	Being at a dentist a patient had an attack of stenocardia. What drug from the nitrate group should be applied in this case?
correct answer	Nitroglycerine
B	Menthol
C	Talinolole
D	Erinit
E	Validol
No	krok 2008
Topic	<b>Drugs acting on the CNS</b>
Task	A patient who has been traeted in a neurological clinic with sedatives for a long time has the following complications: cough, rhinitis, lacrimation. What preparation might have caused such disorders?
correct answer	Sodium bromide
B	Diazepam
C	Valerian
D	Phenazepam
E	Reserpine
No	krok 2008
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with acute poisoning with morphine was delivered to the hospital ward. What specific antagonist of narcotic analgesics is to be applied in this case?
correct answer	Naloxone
B	Paracetamol
C	Methacin

D	Digoxin
E	Unithiol
No	krok 2008
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient with edemata was prescribed a <sup>+</sup> -retaining diuretic - aldosterone antagonist. What drug is it?
correct answer	Spironolactone
B	Digoxin
C	Procainamide hydrochloride
D	Clonidine
E	Alopurinole
No	krok 2008
Topic	<b>Drugs acting on the CNS</b>
Task	To subdue the fever and relieve tooth ache a patient was prescribed paracetamol. What is the action mechanism of this medication?
correct answer	Cyclooxygenase blocking
B	Monoamine oxidase blocking
C	Lipoxygenase blocking
D	Cholinesterase blocking
E	Phosphodiesterase blocking
No	krok 2008
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A dentist was examining a patient and noticed excessive salivation. The dentist applied a medication inducing dryness of oral cavity. What medication is it?
correct answer	Atropine sulfate
B	Phentolamine
C	Pilocarpine hydrochloride

D	Proserin
E	Galantamine
No	krok 2008
Topic	<b>Antimicrobial agents</b>
Task	A patient is ill with herpetic stomatitis provoked by immunosuppression. What preparation introduced intravenously, internally and locally can provide antiviral and immunopotentiating effect?
correct answer	Acyclovir
B	Remantadinum
C	Levamisole
D	Methisazonum
E	Amoxicillin
No	krok 2007
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A woman with ischemic heart disease has been taking an antianginal medication that has the following properties: dilates coronary arteries, peripheral vessels (arterial and venous), reduces the need of myocardium in oxygen, improves endocardial blood circulation. Name this preparation:
correct answer	Nitroglycerin
B	Validol
C	Papaverine
D	Dibasol
E	Aminophylline
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A 25 year old patient had in the dentist's room a sudden attack of bronchial asthma. The doctor gave him salbutamol in the form of inhalation. What is the mechanism of action of this preparation?
correct answer	Stimulates $\beta_2$ -adrenoreceptors

B	Stimulates $\alpha$ -adrenoreceptors
C	Blocks $\text{H}_1$ -histamine receptors
D	Blocks phosphodiesterase
E	Blocks M-cholinergic receptors
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	During the ether narcosis a patient had evident bradycardia with threat of cardiac arrest. What medication should be used to accelerate heartbeat under condition of narcosis that shouldn't be interrupted?
correct answer	Atropine
B	Caffeine
C	Adrenaline
D	Camphor
E	Isadrine
No	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A patient with stomatitis was prescribed a medication of sulfanamide group. What is the mechanism of its antibacterial effect?
correct answer	Competitive antagonism with para-aminobenzoic acid
B	Synthesis disturbance of cell membrane proteins
C	Decrease of membrane permeability
D	Inhibition of sulfhydryl groups of thiol enzymes
E	Protein coagulation
No	krok 2007
Topic	<b>Drugs acting on the CNS</b>
Task	An unconscious patient was admitted to the hospital. Objectively: cold skin, miotic pupils, heavy breathing, Chaine-Stokes' periodicity, low arterial pressure, overfull urinary bladder. What caused the poisoning?



correct answer	Narcotic analgetics
B	Tranquilizers
C	Nonnarcotic analgetics
D	Muscarinic receptor blockers
E	-
№	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A 30 year old patient consulted a doctor about having diarrhea and stomach aches for 5 days, temperature rise up to, 5 <sup>0</sup> with chills. The day before the patient was in a forest and drank some water from an open pond. He was diagnosed with amebic dysentery that was bacteriologically confirmed. Name the medication for treatment of this disease:
correct answer	Metronidazole
B	Furasolidone
C	Chloramphenicol
D	Phthalazole
E	Emethine hydrochloride
№	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A surgeon cleansed his hands with 70% solution of ethyl alcohol before an operation. What is the main mechanism of preparation's antiseptic effect upon microorganisms?
correct answer	Dehydration of protoplasm proteins
B	Blockade of sulfhydryc groups of enzyme systems
C	Oxidation of organic protoplasm components
D	Interaction with aminogroups of protoplasm proteins
E	Interaction with hydroxyl enzyme groups
№	krok 2007

Topic	<b>Antimicrobial agents</b>
Task	Formaldehyde solution was applied for disinfection of nonmetallic instruments of surgical department. What chemical series does this antiseptic preparation belong to?
correct answer	Aliphatic series
B	Aromatic series
C	Alcohols
D	Halogenated compounds
E	Detergents
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	A patient with acute condition of duodenal ulcer was admitted to the hospital. Gastric juice analysis has shown increase of secretory and acid-producing function of stomach. Choose a medication that will reduce secretory function due to blockade of $H_2$ -receptors:
correct answer	Ranitidine
B	Beladonna bell extraction
C	Atropine
D	Methacin
E	Platyphyllin
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations+ Drugs acting on cardiovascular system</b>
Task	Name the drug group that can reduce need of myocardium for oxygen, decrease force of heartbeat and inhibit lipolysis:
correct answer	$\beta$ -adrenoceptor blockers
B	$\alpha$ -adrenoceptor blockers
C	Sympatholytics
D	Selective $\beta$ -adrenoceptor agonists

E	$\alpha$ -adrenoceptor agonists
No	krok 2007
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient with thyreotoxicosis was prescribed a medication that inhibits enzyme systems taking part in synthesis of thyroid gland hormones. What medication is it?
correct answer	Mercazolile
B	Diiodotyrosine
C	Potassium iodide
D	Thyreoidine
E	Radioactive iodine
No	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A patient with tuberculosis was prescribed a certain medication as a part of complex therapy - derivative of isonicotinic acid hydrazide. Name this preparation:
correct answer	Isoniazide
B	Streptomycin sulfate
C	Cephaloridine
D	Rifampicin
E	Kanamycin
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	After a surgical procedure a patient has got an enteroparesis. What anticholinesterase medication should be prescribed in this case?
correct answer	Proserin
B	Carbacholine
C	Aceclidine
D	Pilocarpine

E	Acetylcholine
No	krok 2007
Topic	<b>Drugs acting on metabolism, blood and immunity</b>
Task	A patient has a slowly healing fracture. What medicine can be used to accelerate formation of connective tissue matrix?
correct answer	Methyluracil
B	Prednisolone
C	Cyclophosphan
D	Methotrexate
E	Cyclosporine
No	krok 2007
Topic	<b>Agents influencing on afferent and efferent innervations</b>
Task	Removal of a foreign body from patient's eye involves local anesthesia with lidocaine. What is the action mechanism of this medication?
correct answer	It disturbs passing of $Na^+$ through the membrane
B	It blocks passing of nitric oxide
C	It inhibits cytochrome oxidase activity
D	It reduces dehydrogenase activity
E	It reduces passage of neuromediators
No	krok 2007
Topic	<b>Drugs acting on the CNS</b>
Task	A patient with myocardium infarction was prescribed an analgetic in order to stop pain syndrome. The patient felt better but overdose caused weakness, myosis, respiratory depression. What medication was
correct answer	Morphine
B	Baralgine
C	Sedalgin

D	Ibuprofen
E	Paracetamol
No	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A patient complains of painful cracks in mouth angles. What sulfanilamide can be recommended for local treatment of angular stomatitis?
correct answer	Streptocide liniment
B	Synthomycine liniment
C	Prednisolone ointment
D	Butadione ointment
E	Tetracycline ointment
No	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	What antihelminthic medication is used for stimulation of immune system in case of chronic generalized periodontitis?
correct answer	Levamisole
B	Piperidine adipinate
C	Pumpkin seeds
D	Pyranthel
E	Chloxil
No	krok 2007
Topic	<b>Drugs acting on cardiovascular system</b>
Task	A patient has acute cardiac insufficiency resulting from essential hypertension. What medication will be the most appropriate in this case?
correct answer	Corglycone
B	Digoxin
C	Cardiovalen

D	Caffeine
E	Cordiamin
No	krok 2007
Topic	<b>General pharmacology+ Agents influencing on afferent and efferent innervations</b>
Task	A patient was operated on account of abdominal injury with application of tubocurarin. At the end of operation, after the respiration had been restored, the patient got injection of gentamicin. It caused a sudden respiratory standstill and relaxation of skeletal muscles. What effect underlies this phenomenon?
correct answer	Potentialiation
B	Cumulation
C	Antagonism
D	Habituation
E	Sensitization
No	krok 2007
Topic	<b>Antimicrobial agents</b>
Task	A patient with streptococcal gingival infection was prescribed a medication that contains beta lactam ring in its structure. What preparation belongs to this group?
correct answer	Benzylpenicillin
B	Rifampicin
C	Erythromycin
D	Streptomycin sulfate
E	Chloramphenicol
No	krok 2019
Topic	Drugs acting on cardiovascular system
Task	The patient is in the state of cardiogenic shock, he needs to be given a non-glycoside cardiotonic drug. What will be the drug of choice in this case?
correct answer	Dobutamine
B	Amrinone

C	Caffeine
D	Cordiamin (Nikethamide)
E	Ethimizol
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 30-year-old patient after a case of viral hepatitis type B has developed complaints of continuous nasal hemorrhages. What drug would be the most advisable for treatment of this condition?
correct answer	Menadione (Vicasolum)
B	Asparcam
C	Folic acid
D	Nadroparin calcium (Fraxiparine)
E	Dipiridamol
No	krok 2019
Topic	Antimicrobial agents
Task	A patient with streptococcal pneumonia was prescribed an antimicrobial agent that disrupts microbial membranes. Name this drug
correct answer	Benzylopenicillin sodium salt
B	Gentamicin sulfate
C	Erythromycin
D	Azithromicin
E	Doxycycline hydrochloride
No	krok 2019
Topic	Drugs acting on cardiovascular system
Task	After a tooth extraction, the patient developed acute heart failure. What drug should be prescribed in this
correct answer	Strophantin
B	Convallaria majalis tincture
C	Cordigitum

D	Digitoxin
E	Adonisid
No	krok 2019
Topic	Drugs acting on the CNS
Task	A patient with signs of anxiety, fear, uncertainty, and mental strain was prescribed diazepam. What mechanism of tranquilizing action can be observed in this case?
correct answer	Interaction with benzodiazepine receptors
B	Interaction with cholinergic receptors
C	Interaction with adrenergic receptors
D	Interaction with dopamine receptors
E	Interaction with serotonin receptors
No	krok 2019
Topic	Drugs acting on the CNS
Task	To treatment a bronchial asthma attack that developed in the patient during the tooth extraction, the patient was given salbutamol. This drug belongs to th following pharmacological group
correct answer	Beta-2-adrenergic agonist
B	Adaptogens
C	Muscarinic agonists
D	Narcotic analgetics
E	Analeptics
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 25-year-old young man complains of general weakness, rapid fatigability, irritability, redused working ability, and bleeding gums. What vitamin deficiency is the most likely cause of this condition?
correct answer	Ascorbic acid
B	Ribaflavin
C	Retinol



D	Folic acid
E	Thiamine
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	An ophthalmologist has detected increased time of darkness adaptation in the patient's eye. What vitamin deficiency can cause this sign?
correct answer	A
B	C
C	K
D	E
E	D
No	krok 2019
Topic	Agents influencing on afferent and efferent innervations
Task	Curariform drugs are used to immobilize the patient during a surgery. Their mechanism of action is based on the blockade of
correct answer	Nicotinic acetylcholine receptors of skeletal muscles
B	Acetylcholine release into the synaptic cleft
C	Muscarinic acetylcholine receptors of smooth muscles
D	Noradrenaline release into the synaptic cleft
E	Condition of excitation in the nerve fibers
No	krok 2019
Topic	Agents influencing on respiratory system
Task	A child presents with dry cough. What non-narcotic antitussive drug can relieve the patient's condition?
correct answer	Glaucine hydrochloride
B	Codeine phosphate
C	Potassium iodide
D	Althaea officinalis roots

E	Morphine hydrochloride
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with hypochromic anemia was prescribed an iron-containing drug for intravenous administration only. Name this drug
correct answer	Fercoven
B	Mannitol
C	Etacrinic ased
D	Furosemide
E	Dichlothiazide (Hydrochlorothiazide)
No	krok 2019
Topic	Drugs acting on cardiovascular system
Task	A certain drug with potent natriuretic action is assually prescribed for dehudratation therapy of cerebral and pulmonary edenas. Name this drug
correct answer	Furosemide
B	Etacrinic aside
C	Theophylline
D	Mannitol
E	Spironolacton
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A woman was diagnosed with peptic ulser of the stomach. She has a long history of rheumatoid arthritis. What drugs are the likely cause of thise desiase in the patient?
correct answer	Glucocorticoids
B	Antyhypertensive drugs
C	Antibiotics
D	H2 blockers

E	Antihistamines
No	krok 2019
Topic	Agents influencing on afferent and efferent innervations
Task	Complics therapy of a patient with bronchopneumonia accompanied by cough includes a certain mucolytic agent that depolymerizes mucoproteins. Name this drug
correct answer	Acetilcysteine
B	Codeine
C	Strophanthin
D	Atenolol
E	Neodicumarin
No	krok 2019
Topic	Agents influencing on the gastrointestinal system
Task	A patirnt with peptic ulcer disease of the stomach is prescribed a drug that blocks histamine H2 reseptors. Select thise drug from the list
correct answer	Famotidine
B	Atropine sulfate
C	Dithylin (Suxamethonium)
D	Bisacodil
E	Omeprasol
No	krok 2019
Topic	Drugs acting on cardiovascular system
Task	To treat ischemic heart disease, a patient was prescribed a beta-adrenergic blocking agent. After a time he developed a cough and bronchospasm. What drug can cause these side effects?
correct answer	Anaprilin (Propranolol)
B	Talinolol
C	Metoprolol
D	Atenolol

E	Phenihidine (Nifedipine)
No	krok 2019
Topic	Agents influencing on afferent and efferent innervations
Task	Prior to tooth extraction under a local anesthesia, the patient was tested for novocaine allergy. The test result was positive. What substance can be used to administer anesthesia in this case?
correct answer	Lidocaine
B	Sodium valproate
C	Procainamide
D	Acetylsalicylic acid
E	Analgin (Metamisole)
No	krok 2019
Topic	Agents influencing on afferent and efferent innervations
Task	A 70-year-old patient is brought to the emergency department by his son because of blurry vision and dysarthria. His son says, `Father is always thirsty and has difficulty with urination`. Examination reveals dry skin, cutaneous vasodilation, nonreactive mydriasis, and hyperthermia. Drug overdose is suspected. Which of the following drugs is the most likely cause of this patient`s toxicity?
correct answer	Atropine
B	Reserpine
C	Metamisole
D	Clonidine
E	Carbochol
No	krok 2019
Topic	Antimicrobial agents

Task	A 58-year-old male patient visited his dentist with the chief complaint of itching and burning sensation in his mouth. On intraoral examination, diffuse white patches were seen on his tongue, right and left buccal mucosa, as well as on his hard palate and soft palatal region. The potassium hydroxide (KOH) preparation of the specimen revealed non-pigmented septate hyphae. Administration of which of the following is the most appropriate initial step in treatment of this patient?
correct answer	Nystatin
B	Penicillin
C	Gentamicin
D	Tetracyclin
E	—
No	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 35-year-old woman is brought to the physician because of a 4-month history of progressive weakness of both lower limbs. She notes difficulty climbing stairs and complains of lethargy and loss of muscle bulk. Her diet consists primarily of `polished` rice. A diagnosis of dry beriberi is suspected. Deficiency of the following vitamins is most likely to be detected in her blood?
correct answer	Vitamin B <sub>1</sub> (thiamine)
B	Vitamin B <sub>6</sub> (pyridoxine)
C	Vitamin B <sub>3</sub> (niacin)
D	Vitamin B <sub>2</sub> (riboflavin)
E	Vitamin C (ascorbic acid)
No	krok 2019
Topic	Drugs acting on the CNS

Task	A 42-year-old female comes to the physician 2 days after the sudden onset of pain and swelling of right knee. She has had no injury. Examination of the right knee shows warmth, erythema, and effusions. Laboratory studies show an increase in the concentration of acute phase reactants. Which of the following is the most appropriate pharmacotherapy for this patient?
correct answer	Nonsteroid anti-inflammatory drugs (NSAIDs)
B	Sulfonamides
C	Antibiotics
D	Opioids
E	Antidepressants
No	krok 2018
Topic	Drugs acting on the CNS
Task	For two weeks a woman has been taking the mixture for neurasthenia, which was prescribed by a neurologist. Her general state slightly improved but shortly she started complaining of rhinitis, conjunctivitis, skin rashes, fatigue, and memory impairment. What group of drugs can have such a side effect?
correct answer	Bromine salts
B	Valerian preparations
C	Motherwort preparations
D	Adaptogens
E	Hop preparations
No	krok 2018
Topic	Antimicrobial agents
Task	A patient developed burning sensation in the oral cavity and white fuzzy coating on the tongue. Oral thrush is diagnosed. What drug of those listed below should be used?
correct answer	Nystatin
B	Amphotericin
C	Griseofulvin
D	Tetracycline

E	Gentamicin
No	krok 2018
Topic	Drugs acting on the CNS
Task	A dental patient was prescribed a psychosedative for his fear of pain. What drug would be the most effective in this case?
correct answer	Diazepam
B	Aminazine
C	Lithium carbonate
D	Valerian tincture
E	Sodium bromide
No	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with skin burns was delivered to a hospital. To clean the wound from necrotic tissues and mucus the doctor prescribed an enzymatic drug for topical treatment. Name this drug:
correct answer	Tripsin
B	Pancreatin
C	Asparaginase
D	Pepsin
E	Streptokinase
No	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with parodontosis was prescribed a fat-soluble vitamin that actively participates in redox processes in the organism. This antioxidant is a growth factor, has antixerophthalmic action, and contributes to maintenance of normal vision. In dental practice it is used to accelerate mucosal re-epithelization during parodontosis. Name this substance:
correct answer	Retinol acetate
B	Ergocalciferol

C	Tocopherol acetate
D	Menadione (Vicasolum)
E	Cyanocobalamin
No	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	It is necessary to decrease pumping a bility of the patient's heart. What membrane cytoceptors must be blocked to achieve this effect?
correct answer	$\beta$ -adrenergic receptors
B	$\alpha$ -adrenergic receptors
C	$\alpha$ - and $\beta$ -adrenergicreceptors
D	Muscarinic acetylcholine receptors
E	Nicotinic acetylcholine receptors
No	krok 2018
Topic	Drugs acting on cardiovascular system
Task	Resuscitation unit received a patient with acute poisoning caused by unidentified medicine. To quickly excrete the poisonfrom the patient's body, forced diuresis was induced. What substance was used to perform this procedure?
correct answer	Furosemide
B	Hydrochlorothiazide
C	Omeprazole
D	Spirolactone
E	Dithylinum (Suxamethonium chloride)
No	krok 2018
Topic	Drugs acting on gastrointestinal system
Task	A patient with acute pancreatitis presents with significantly increased urine diastase content. What proteolysis inhibitor must be included into complex therapy of this patient?
correct answer	Contrykal (Aprotinin)



B	Festal
C	Pancreatine
D	Digestal
E	Mezym forte
No	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	A patient suffering from acute bronchitis with difficult expectoration was prescribed acetylcysteine. What drug action will provide curative effect?
correct answer	Mucoproteins depolymerization
B	Activation of bronchial ciliated epithelium
C	Reflex stimulation of bronchiolar peristalsis
D	Alkalinization of sputum
E	Stimulation of the bronchial glands
No	krok 2018
Topic	Drugs acting on cardiovascular system
Task	A patient with ischemic heart disease presents with increased blood plasma content of triglycerides and very low density lipoproteins. What drug should be prescribed?
correct answer	Fenofibrate
B	Famotidine
C	Amiodarone
D	Lisinopril
E	Dobutamine
No	krok 2018
Topic	General pharmacology
Task	In what organ biotransformation (metabolic transformation) of most medicinal agents occurs upon their introduction into an organism?
correct answer	Liver

B	Kidneys
C	Intestine
D	Skin
E	Lungs
No	krok 2018
Topic	Drugs acting on the CNS
Task	A dentist prescribed the patient with maxillofacial arthritis diclofenac sodium. What is the mechanism of action of this drug?
correct answer	Cyclooxygenase-2 inhibition
B	Catalase inhibition
C	Opiate receptors activation
D	Opiate receptors block
E	Phosphodiesterase activation
No	krok 2018
Topic	Antimicrobial agents
Task	To treat tuberculosis, an antibiotic that colors urine red is prescribed. Name this antibiotic:
correct answer	Rifampicin
B	Erythromycin
C	Amoxicillin
D	Nitroxoline
E	Cefotaxime
No	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	A 38-year-old woman developed an attack of bronchial asthma. What bronchial spasmolytic for emergency medical aid is a beta-2-adrenergic agonist?
correct answer	Salbutamol
B	Adrenaline

C	Ipratropium bromide
D	Platyphyllin
E	Atropine
No	krok 2018
Topic	Agents influencing on afferent and efferent innervation
Task	A patient has been administered conduction anesthesia with novocaine in preparation for tooth extraction. After the anesthesia administration the patient developed swelling and hyperemia around the injection site, skin itch, general fatigue, motor agitation. Name the developed complication:
correct answer	Allergy
B	Idiosyncrasy
C	Tachyphylaxis
D	Drug dependence
E	Inflammation
No	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A 26-year-old woman presents with skin rashes and itching after eating citrus fruits. Prescribe her a drug that is an H1 histamine receptor antagonist:
correct answer	Dimedrol (Diphenhydramine)
B	Acetylsalicylic acid
C	Menadione (Vicasolum)
D	Analgin (Metamizole)
E	Paracetamol
No	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with megaloblastic anemia was taking a water-soluble vitamin. Name this substance:
correct answer	Cyanocobalamin
B	Thiamine chloride

C	Tocopherol acetate
D	Ascorbic acid
E	Pyridoxine
№	krok 2018
Topic	Agents influencing on afferent and efferent innervation
Task	A patient with dislocated jaw was given a short-acting muscle relaxant by a doctor. Name this drug:
correct answer	Dithylinum (Suxamethonium chloride)
B	Procaine
C	Cytitonum (Cytisine)
D	Papaverine hydrochloride
E	Pyridostigmine hydrobromide
№	krok 2018
Topic	Antimicrobial agents
Task	To treat osteomyelitis, a patient was prescribed an antibiotic that easily penetrates into bone tissue. Name this drug:
correct answer	Lincomycin hydrochloride
B	Streptomycin sulfate
C	Cefazolin
D	Polymyxin B
E	Amphotericin B
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	A patient was delivered into the admission room. He has the signs of acute heart failure: pallor, acrocyanosis, frequent and shallow respiration. What medicine of those listed below is indicated in this case?
correct answer	Corglycon (Convallatoxin)
B	Cordiamin (Niketamide)
C	Digitoxin

D	Adrenaline hydrochloride
E	Nitroglycerine
№	krok 2020
Topic	Drugs acting on the CNS
Task	A patient with signs of anxiety, fear, uncertainty and mental strain was prescribed diazepam. What mechanism of tranquilizing action can be observed in this case?
correct answer	Interaction with benzodiazepine receptors
B	Interaction with serotonin receptors
C	Interaction with adrenergic receptors
D	Interaction with cholinergic receptors
E	Interaction with dopamine receptors
№	krok 2020
Topic	Drugs acting on the CNS
Task	A patient with severe toothache that lasted for several days made no appointment with a doctor and engaged in self-treatment instead. As a result, his tooth needs to be extracted. What analgesic increases the probability of a hemorrhage developing after the tooth is extracted?
correct answer	Acetylsalicylic acid
B	Dimedrol (Diphenhydramine)
C	Codeine phosphate
D	Paracetamol
E	Analgin (Metamizole)
№	krok 2020
Topic	Antimicrobial agents
Task	A dentist uses a solution of potassium permanganate as an antiseptic. This preparation has a bactericidal effect because of:
correct answer	Atomic oxygen
B	Manganese oxide

C	Potassium hydroxide
D	Potassium
E	Potassium oxide
No	krok 2020
Topic	Antimicrobial agents
Task	A patient with streptococcal pneumonia was prescribed an antimicrobial agent that disrupts the formation of microbial membranes. Name this drug
correct answer	Benzylpenicillin sodium salt
B	Erythromycin
C	Azithromycin
D	Gentamicin
E	Doxycycline
No	krok 2020
Topic	Antimicrobial agents
Task	A 4-year-old child has numerous carious cavities and yellow-colored teeth. It is known that during her pregnancy the child's mother was undergoing an antibiotic treatment. What medicine was likely being taken by the child's mother?
correct answer	Doxycycline
B	Erythromycin
C	Cefazolin
D	Ampicillin
E	Streptomycin sulfate
No	krok 2020
Topic	Drugs acting on metabolism, blood and immunity
Task	After a glucose-lowering therapy, a patient with diabetes mellitus developed hypoglycemia. What hormone, taken in excess, could have caused this hypoglycemic condition?
correct answer	Insulin

B	Thyroxine
C	Glucagon
D	Adrenaline
E	Cortisol
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	During dental manipulation, the patient developed an angina pectoris attack. What group of drugs needs to be prescribed for the emergency aid in this case?
correct answer	Antianginal drugs
B	Antiarrhythmic drugs
C	Antihypertensive drugs
D	Cardiotonics
E	Respiratory stimulants
№	krok 2020
Topic	Antimicrobial agents
Task	A doctor has made a diagnosis of gingivitis and recommended the patient to rinse the oral cavity with an oxidizing agent. Specify this agent
correct answer	Hydrogen peroxide
B	Brilliant green
C	Salicylic acid
D	Boric acid
E	Phenol
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	A patient has arrhythmia. What medicine needs to be prescribed in this case?
correct answer	Amiodarone
B	Nitroglycerine

C	Imizine
D	Cavinton
E	Euphillin
№	krok 2020
Topic	Drugs acting on metabolism, blood and immunity
Task	A 60-year-old man with diabetes mellitus was prescribed insulin. What type of pharmacological therapy is it?
correct answer	Replacement
B	Symptomatic
C	Preventive
D	Etiotropic
E	Pathogenetic
№	krok 2020
Topic	Drugs acting on the CNS
Task	A cessation of morfine administration after its long-term use leads to the development of severe mental, neurological and somatic disorders.name this condition
correct answer	Withdrawal
B	Sensitisation
C	Idiosyncrasy
D	Toleranse
E	Cumulation
№	krok 2020
Topic	Agents influencing on afferent and efferent innervation
Task	For a surgerry in the maxillofacial area, cholinergic agents are used to decrease salivation. What drug of hose listed bellow would you recommendfor this purpose?
correct answer	Atropine sulfate
B	Adrenaline hydrochloride
C	Proserin



D	Lobeline hydrochloride
E	Dithylinum
№	krok 2020
Topic	Drugs affecting the gastrointestinal tract
Task	A patient with peptic ulcer disease of the stomach is prescribed a drug that blocks histamine H2 receptors. Select this drug from the list
correct answer	Famotidine
B	Bisacodil
C	Atropine sulfate
D	Omeprazole
E	Dithylinum
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	What nitrate drug would you recommend to a patient with ischemic heart disease for prevention of angina pectoris attacks?
correct answer	Isosorbide mononitrate
B	Lovastatin
C	Nitroglycerine
D	Mentol
E	Lisinipril
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	A certain drug with potent natriuretic action is usually prescribed for dehydration therapy of cerebral and pulmonary edemas. Name this drug
correct answer	Furosemide
B	Spironolactone
C	Mannitol

D	Theophylline
E	Etacrynic acid
№	krok 2020
Topic	Agents influencing on afferent and efferent innervation
Task	During an appointment with the dentist, a patient developed a bronchial asthma attack. What does this patient need to be prescribed to terminate the bronchospasm?
correct answer	Salbutamol
B	Anaprilin
C	Benzohexonium
D	Methacin
E	Droperidol
№	krok 2020
Topic	Antimicrobial agents
Task	A patient is diagnosed with stomatitis caused by herpes simplex virus, type 1 and 2. What medicine that is an analogue of nucleosides and is converted by thymidine kinase can provide highly effective selective antiviral therapy?
correct answer	Acyclovir
B	Rimantadine
C	Laferon
D	Acetylcystein
E	Oxolin
№	krok 1
Topic	Agents influencing on afferent and efferent innervation
Task	A patient developed anaphylactic shock after administration of novocaine (procaine) for conduction anesthesia. What is the drug of choice for shock relief in this case?
correct answer	Adrenalin hydrochloride
B	Noradrenaline hydrotartrate

C	Suprastin (Chloropyramine)
D	Prednisolone
E	Dimedrol (Diphenhydramine)
№	krok 1
Topic	Agents influencing on afferent and efferent innervation
Task	A patient suffering from ciliary arrhythmia with anamnesis of bronchial asthma should be prescribed an antiarrhythmic drug. What antiarrhythmic drug is contraindicated in this case?
correct answer	Anaprilin (Propranolol)
B	Verapamil
C	Novocainamide (Procainamide)
D	Salbutamol
E	Nifedipine
№	krok 1
Topic	Agents influencing on afferent and efferent innervation
Task	During an appointment with the dentist, a patient developed hypersalivation. What group of drugs can decrease this phenomenon?
correct answer	Cholinergic antagonists
B	Adrenergic antagonist
C	Adrenergic agonist
D	Astringent agents
E	Cholinergic agonists
№	krok 1
Topic	Drugs acting on the CNS
Task	Prolonged taking of large doses of aspirin (acetylsalicylic acid) leads to inhibition of prostaglandin synthesis because of decreased activity of the following enzyme:
correct answer	Cyclooxygenase
B	Peroxidase

C	5-Lipoxygenase
D	Phospholipase A2
E	Phosphodiesterase
№	krok 1
Topic	Drugs acting on cardiovascular system
Task	During an appointment, a patient developed atrioventricular block. What medicinal substance can be used as an emergency aid in this case?
correct answer	Atropine
B	Pirenzepine
C	Atenolol
D	Platyphyllin
E	Anaprilin (Propranolol)
№	krok 1
Topic	Drugs acting on cardiovascular system
Task	The patient is in the state of cardiogenic shock, he needs to be given a non-glycoside cardiotonic drug. What will be the drug of choice in this case?
correct answer	Dobutamine
B	Amrinone
C	Corglycon
D	Cordiamin (Nikethamide)
E	Ethimizol
№	krok 1
Topic	Drugs acting on the CNS
Task	A patient with a severe toothache that lasted for several days made no appointment with a doctor and engaged in self-treatment instead. As a result, his tooth needs to be extracted. What analgesic increases the probability of a hemorrhage developing after the tooth is extracted?
correct answer	Acetylsalicylic acid

B	Analgin (Metamizole)
C	Codeine phosphate
D	Paracetamol
E	Dimedrol (Diphenhydramine)
№	krok 1
Topic	Antimicrobial agents
Task	A 52-year-old man was diagnosed with systemic amebiasis that affects intestine, liver, and lungs. What drug should be administered in this case?
correct answer	Metronidazole
B	Chingamin (Chloroquine)
C	Chiniofon
D	Enteroseptol
E	Tetracycline
№	krok 1
Topic	Agents influencing on afferent and efferent innervation
Task	A patient with dislocated jaw was given a short-acting muscle relaxant by a doctor. Name this drug:
correct answer	Dithylinum (Suxamethonium chloride)
B	Rocuronium
C	Novocaine (Procaine)
D	Papaverine hydrochloride
E	Atracurium
№	krok 1
Topic	Drugs acting on metabolism, blood and immunity
Task	Before a maxillofacial surgery, the patient received a drug that is a natural anticoagulant that directly affects blood coagulation factors. It is rapidly acting, if administered intravenously. In dental practice, it is used for prevention of thromboembolic complications during extensive maxillofacial surgery. Name this drug:
correct answer	Heparin

B	Phenylin (Phenindione)
C	Aminocaproic acid
D	Contrykal (Aprotinin)
E	Ncodicoumarin
№	krok 1
Topic	Drugs acting on metabolism, blood and immunity
Task	A 35-year-old woman is brought to the physician because of a 4-month history of progressive weakness of both lower limbs. She notes difficulty climbing stairs and complains of lethargy and loss of muscle bulk. Her diet consists primarily of "polished" rice. A diagnosis of dry beriberi is suspected. Deficiency of which of the following vitamins is most likely to be detected in her blood?
correct answer	Vitamin <i>B1</i> (thiamine)
B	Vitamin <i>B6</i> (pyridoxine)
C	Vitamin <i>B3</i> (niacin)
D	Vitamin <i>C</i> (ascorbic acid)
E	Vitamin <i>B2</i> (riboflavin)
№	krok 1
Topic	Drugs acting on cardiovascular system
Task	Combined therapy of chronic heart failure with digitoxin and furosemide resulted in acute muscle weakness in the patient. What electrolyte imbalance can be detected in the patient's blood?
correct answer	Hypokalemia
B	Hypocalcemia
C	Hypercalcemia
D	Hyperkalemia
E	
№	krok 1
Topic	Antimicrobial agents

Task	Broad-spectrum antibiotics can cause various complications, including intestinal candidiasis. What drug is used for treatment of this complication?
correct answer	Nystatin
B	Amphotericin B
C	Undecyne
D	Gramicidin
E	Griseofulvin
№	krok 1
Topic	Antimicrobial agents
Task	A man, who accidentally rinsed his mouth with vinegar essence instead of chlorhexidine solution, was brought to a dental clinic. He complains of burning pain during eating. Examination revealed a dense whitish-gray film on his oral mucosa. What keratoplastic drug was prescribed by the dentist in the course of
correct answer	Sodium bicarbonate
B	Anaesthesin (Benzocaine)
C	Diazolin (Mebhydrolin)
D	Vinylin (Polyvinox)
E	Magnesia
№	krok 1
Topic	Antimicrobial agents
Task	A patient needs to be prescribed a broad-spectrum fluoroquinolone. Select such drug from the list below:
correct answer	Ciprofloxacin
B	Carbenicillin
C	Azlocillin
D	Chinoxydin
E	Amoxicillin
№	krok 1
Topic	Drugs acting on the CNS

Task	Analgin (metamizole) effectively relieves pulpitis-induced pain not only after its resorptive administration, but after topical administration as well. What action of this drug results in anesthetic effect in the latter case?
correct answer	Cyclooxygenase-2 inhibition
B	Inhibition of P substance release
C	Local anesthetic effect of Analgin (Metamizole)
D	Inhibition of algogenic kinin formation
E	Counter-attracting action
№	krok 2022
Topic	Drugs acting on cardiovascular system
Task	exertion, cyanotic skin, and leg edemas. Prescribe him a cardiac glycoside for treatment of chronic heart failure
correct answer	Digoxin
B	Methyluracil
C	Panangin
D	Metoprolol
E	Heparin
№	krok 2022
Topic	Agents influencing on afferent and efferent innervation
Task	After administration of eyedrops, the patient developed mydriasis and paralysis of accommodation. What group of drugs can cause this effect?
correct answer	Muscarinic antagonists
B	Anticholinesterase drugs
C	$\alpha$ -adrenergic blockers
D	Muscarinic agonists
E	$\beta$ -adrenergic agonists
№	krok 2022
Topic	General pharmacology. Pharmacokinetics. Pharmacodynamics



Task	Before the surgery for realignment of the fractured bone of the upper jaw, the patient received neuroleptanalgesia. Neuroleptic droperidol was administrated along with analgesic fentanyl. What type of drug interaction was used?
correct answer	Potentiated synergism
B	Additive synergism
C	Synergo-antagonism
D	Non-competitive antagonism
E	Competitive antagonism
№	krok 2022
Topic	Drugs acting on cardiovascular system
Task	A patient suffers from angina pectoris. What antianginal drug is this patient contraindicated if he is allergic to iodine?
correct answer	Amiodarone
B	Nitroglycerine
C	Verapamil
D	Drotaverine
E	Nitrosorbide
№	krok 2022
Topic	Agents influencing on afferent and efferent innervation
Task	A patient suffering from ciliary arrhythmia with a history of bronchial asthma should be prescribed an antiarrhythmic drug. what antiarrhythmic drug is contraindicated in this case?
correct answer	Anaprilin (Propranolol)
B	Ajmaline
C	Verapamil
D	Nifedipine
E	Novocainamide (Procainamide)
№	krok 2022

Topic	Agents influencing on afferent and efferent innervation
Task	Prior to tooth extraction the patient was given a local anesthetic, lidocaine. What is the mechanism of anesthetic action of this drug?
correct answer	Sodium channels block
B	Stimulation of GABA reseptors
C	Block of H1-histamino receptors
D	Stimulation of muscarinic receptors
E	Block of $\beta$ 2-adrenergic receptors
№	krok 2022
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient is in a state of hypoglycemic coma. What hormone can cause this condition if overdosed?
correct answer	Insulin
B	Progesterone
C	Cortisol
D	Somatotropin
E	Corticotropin
№	krok 2022
Topic	Drugs acting on cardiovascular system
Task	To terminate hypertensive crisis the patient was administered solution of magnesium sulfate. What route of drug administration should be chosen
correct answer	Intravenous
B	Oral
C	Duodenal
D	Intra-arterial
E	Rectal
№	krok 2022
Topic	Drugs acting on the CNS

Task	A patient with trigeminal neuralgia was given parenterally a non-narcotic analgesic with rapid onset and short action. This analgesic is manufactured in tablets and ampoules. What drug was the patient administered?
correct answer	Analgin (Metamizole)
B	Piroxicam
C	Indometacin
D	Mefenamic acid
E	Ibuprofen
№	krok 2022
Topic	Drugs acting on metabolism, blood and immunity
Task	A woman with allergic dermatitis has been taking an antiallergic drug for a week. As the result of taking this drug, she developed marked somnolence. Name this drug
correct answer	Dimedrol (Diphenhydramine)
B	Cromolyn sodium (Cromoglicic acid)
C	Aminazine (Chlorpromazine)
D	Adrenaline hydrochloride
E	Loratadine
№	krok 2022
Topic	Drugs acting on the CNS
Task	For a rapid relief of hypertensive crisis, a 65-year-old man was prescribed a drug that suppresses the reabsorption of sodium chloride in the thick segment of the ascending limb of the loop of Henle and has marked diuretic effect. Name this drug:
correct answer	Furosemide
B	Spirolactone
C	Triamterene
D	Hydrochlorothiazide
E	Mannitol
№	krok 2022

Topic	Antimicrobial agents
Task	A sick child has gingivitis caused by anaerobic infection. The child needs to be prescribed an antimicrobial drug that belongs to the following class:
correct answer	Nitroimidazoles
B	Nitrofurans
C	Aminoglycosides
D	Polymyxins
E	Sulfonamides
№	krok 2022
Topic	Antimicrobial agents
Task	What antimicrobial drug is not a cephalosporin antibiotic?
correct answer	Ciprofloxacin
B	Cefalexin
C	Cefedime
D	Ceftriaxone
E	Cefazolin
№	krok 2022
Topic	Agents influencing on afferent and efferent innervation
Task	A patient with dislocated jaw was given a short-acting muscle relaxant by a doctor. Name this drug:
correct answer	Dithylinum (Suxamethonium chloride)
B	Procaine
C	Pyridostigmine hydrobromide
D	Cytitonum (Ovtisine)
E	Papaverine hydrochloride
№	krok 2022
Topic	Drugs affecting the gastrointestinal tract

Task	A patient with acute pancreatitis presents with significantly increased urine diastase levels. What proteolysis inhibitor must be included into complex therapy of this patient?
correct answer	Contrykal (Aprotinin)
B	Pancreatine
C	Digestal
D	Festal
E	Mezym forte
№	krok 2022
Topic	Antimicrobial agents
Task	After ineffective treatment of stomatitis with antibiotics, the patient consulted a dentist. The dentist made a diagnosis of herpetic stomatitis. What medicine should the patient be prescribed?
correct answer	Acyclovir
B	Metrogyl (Metronidazole"
C	Azithromycin
D	Clotrimazole
E	Sulfacyl sodium (Sulfacetamide)