

№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	A 49-year-old patient complains of persistently elevated blood pressure (155/120 mm Hg). The recommended hypotensive therapy, lasting for a month, was ineffective. Additional examination detected hypernatremia, hypochloremia, and adrenal hyperplasia. The diagnosis of primary hyperaldosteronism was made. Because surgical treatment was impossible in this case, the patient was recommended a pharmacological therapy with a mineralocorticoid receptor antagonist. What drug was recommended for the patient?
Correct answer	Spironolactone
B	Captopril
C	Metoprolol
D	Losartan
E	Amlodipine
№	krok 2023
Topic	
Task	An anti-inflammatory drug that blocks cyclooxygenase activity was used in the treatment of a patient. What anti-inflammatory drug is it?
Correct answer	Analgin (Metamizole sodium)
B	Thiamine
C	Allopurinol
D	Creatine
E	Aspirin (Acetylsalicylic acid)
№	krok 2023
Topic	Antimicrobial agents
Task	After the treatment with an antitubercular agent, a 40-year-old woman developed optic neuritis, memory impairment, and seizures. What medicine was she taking?
Correct answer	Isoniazid
B	Rifampicin
C	Kanamycin
D	Thioacetazone
E	Para-aminosalicylic acid
№	krok 2023
Topic	Antimicrobial agents

Task	A 45-year-old man with acute pneumonia was prescribed a penicillin antibiotic. However, when tested for personal tolerance to this antibiotic, he developed an allergic response. What drug should be prescribed for treatment in this case?
Correct answer	Erythromycin
B	Benzympenicillin
C	Phenoxymethylpenicillin
D	Bicillin-5
E	Ciprofloxacin
№	krok 2023
Topic	Drugs acting on the CNS
Task	All nonsteroidal anti-inflammatory drugs can damage the gastric mucosa. To find the substances that do not cause this complication, it is necessary to know what it is associated with. To reduce the severity of this complication, the drug's effect on a certain molecular substrate must be reduced. Name this molecular substrate.
Correct answer	Cyclooxygenase-1
B	Lysosomal enzymes
C	Kallikrein
D	Cyclooxygenase-2
E	Adenylate cyclase
№	krok 2023
Topic	Agents influencing on afferent and efferent innervations
Task	A patient has an attack of bronchospasm. What membrane cytorceptors of bronchial smooth muscles should be stimulated to improve the patient's condition?
Correct answer	beta-adrenergic receptors
B	Histamine H2 receptors
C	Nicotinic acetylcholine receptors
D	a-adrenergic receptors
E	Muscarinic acetylcholine receptors
№	krok 2023
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient presents with impaired twilight vision. What vitamin preparation should be prescribed to this patient?
Correct answer	Retinol acetate
B	Ascorbic acid
C	Pyridoxine hydrochloride

D	Nicotinic acid
E	Cyanocobalamin
№	krok 2023
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient developed hypochromic anemia after gastric resection. What drug must be prescribed in this case?
Correct answer	Cyanocobalamin
B	Folic acid
C	Coamid
D	Ferrum Lek
E	Ferbitol
№	krok 2023
Topic	Antimicrobial agents
Task	Nosocomial pneumonia was diagnosed in a 38-year-old inpatient. The doctor prescribed the patient a broad-spectrum antibiotic that is resistant to β -lactamases, inhibits peptidoglycan synthesis in the bacterial membrane, and practically cannot be degraded by dehydropeptidase-1 in the renal tubules. What antibiotic did the patient receive?
Correct answer	Erythromycin
B	Levofloxacin
C	Rifabutin
D	Streptomycin
E	Meropenem
№	krok 2023
Topic	Drugs acting on the CNS
Task	A person was hospitalized with morphine poisoning. In cases of acute morphine poisoning, a specific antagonist — naloxone — is used. What is the main factor in the development of antagonistic action in such cases?
Correct answer	Competition for binding to opioid receptors
B	Direct stimulation of the respiratory center
C	Decreased sensitivity of the body to morphine
D	Reflex excitation of the respiratory center
E	Sharp acceleration of metabolism
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	A man was hospitalized with arrhythmia. What antiarrhythmic drug should he be prescribed?

Correct answer	Amiodarone
B	Acetylsalicylic acid
C	Diclofenac sodium
D	Furacilin (Nitrofurazone)
E	Drotaverine hydrochloride
№	krok 2023
Topic	Antimicrobial agents
Task	Before a surgery, the patient was prescribed a synthetic antiprotozoal drug to prevent a wound infection. The prescribed drug is highly effective against <i>Helicobacter pylori</i> . What drug is it?
Correct answer	Metronidazole
B	Metronidazole
C	Doxycycline hydrochloride
D	Aciclovir
E	Chingamin (Chloroquine)
№	krok 2023
Topic	Antimicrobial agents
Task	A 19-year-old patient complains of diarrhea. As a part of complex therapy, the doctor prescribed the patient an antidiarrheal drug that stimulates opioid receptors in the intestine. What drug was prescribed for this patient?
Correct answer	Loperamide
B	Furazolidone
C	Rehydron
D	Omnopon (Papaveretum)
E	Linex
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	Medical examination detected angina pectoris in a patient. The doctor prescribed the patient metoprolol that reduces the strength and frequency of cardiac contractions and, as a result, reduces the myocardial oxygen demand. What is the mechanism of the therapeutic action of this drug?
Correct answer	Blockade of β_1 -adrenergic receptors
B	Blockade of muscarinic acetylcholine receptors
C	Blockade of β_2 -adrenergic receptors
D	Stimulation of α -adrenergic receptors

E	Blockade of nicotinic acetylcholine receptors
№	krok 2023
Topic	Drugs acting on cardiovascular system
Task	A 56-year-old patient complains of an acute pain attack in the area of the right ankle joint. Objectively, the joint is hyperemic, edematous, and hot to the touch. The levels of uric acid in the blood are elevated. For the treatment of this pathology, the doctor prescribed a drug that inhibits xanthine oxidase. What drug is it?
Correct answer	Allopurinol
B	Prednisolone
C	Urolesan
D	Diacarb (Acetazolamide)
E	Theophylline
№	krok 2023
Topic	Antimicrobial agents
Task	A woman was diagnosed with Chlamydia-induced pneumonia. The doctor prescribed her antibiotic doxycycline. What type of pharmacotherapy is it?
Correct answer	Etiotropic
B	Replacement
C	Symptomatic
D	Pathogenetic
E	Preventive
№	krok 2023
Topic	Drugs acting on the CNS
Task	A patient has been diagnosed with psychosis. After two weeks of receiving pharmacotherapy, the patient's condition improved. However, the patient soon developed rigidity, tremors, and hypokinesia. What drug causes these complications?
Correct answer	Aminazine (Chlorpromazine)
B	Imizin (Imipramine)
C	Diphcnin (Phenytoin)
D	Chfordiazepoxide
E	Sydnocarb (Mesocarb)
№	krok 2017
Topic	Drugs acting on metabolism, blood and immunity

Task	A woman with seasonal vasomotor rhinitis, who works as a train dispatcher and is an outpatient, should be prescribed an antihistaminic drug that does not suppress central nervous system. Name this drug:
Correct answer	Loratadine
B	Dimedrol (Diphenhydramine)
C	Diprazine (Promethazine)
D	Suprastin (Chloropyramine)
E	Tavegyl (Clemastine)
№2	krok 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	A pregnant woman with several miscarriages in anamnesis is prescribed a therapy that includes vitamin preparations. What vitamin facilitates carrying of a pregnancy?
Correct answer	Alpha-tocopherol
B	Folic acid
C	Cyanocobalamin
D	Pyridoxal phosphate
E	Rutin
№3	krok 2017
Topic	Antimicrobial agents
Task	During treatment with bismuth preparations a patient with syphilis developed gray spots on his oral mucosa and nephropathy symptoms. What drug is used as an antidote to bismuth preparations poisoning?
Correct answer	Unithiol
B	Nalorphine
C	Bemegride
D	Naloxone
E	Methylene blue
№4	krok 2018, 2017
Topic	Agents influencing on afferent and efferent innervations
Task	At the 2-3 day after the gastric resection the patient's intestinal peristalsis failed to restore. What should the patient be prescribed to stimulate the function of his gastrointestinal tract?
Correct answer	Proserin
B	Platyphyllin
C	Cyclodol (Trihexyphenidyl)

D	Atropine
E	Dithyline (Suxamethonium chloride)
№5	krok 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient is diagnosed with diabetic coma. Blood sugar is 18,44 mmol/l. What glucose-regulating drug should be prescribed in the given case?
Correct answer	Rapid-acting insulin
B	Intermediate-acting insulin
C	Long-acting insulin
D	Biguanide
E	Sulfonylurea derivative
№6	krok 2017
Topic	Drugs acting on cardiovascular system
Task	A man came into the admission room with complaints of edemas, rapid heart rate, dyspnea, and cyanotic mucosal tunics. He was diagnosed with chronic heart failure. What drug should be prescribed to improve the patient's general state?
Correct answer	Digoxin
B	Papaverine hydrochloride
C	Mesaton (Phenylephrine)
D	Cordiamin
E	Nitroglycerine
№7	krok 2018, 2017, 2016
Topic	Agents influencing on afferent and efferent innervations
Task	A patient complaining of dizziness, thi-rst, difficult swallowing, and impaired visi-on of close objects has addressed a doctor. Objectively: respiratory rate is increased, pupils are dilated, general agitation, talkati-veness, though the speech is indistinct. BP is 110/70 mm Hg, heart rate is 110/min. Given symptoms can indicate overdosage of the following drug:
Correct answer	Atropine
B	Morphine
C	Ephedrine
D	Aminazine
E	Caffeine
№8	krok 2017
Topic	Drugs acting on metabolism, blood and immunity

Task	Due to prolonged taking of a drug the patient can develop osteoporosis, gastric mucosal erosions, hypokalemia, sodium and water retention, and decreased blood content of corticotropine. Specify this drug:
Correct answer	Prednisolone
B	Hydrochlorothiazide
C	Digoxin
D	Indometacin
E	Reserpine
№9	krok 2017
Topic	Drugs acting on the CNS
Task	The patients with organic brain disorder can take the following drug to improve their memory:
Correct answer	Piracetam
B	Nitrazepam
C	Medazepam
D	Diazepam
E	Caffeine
№10	krok 2017, 2010
Topic	Antimicrobial agents
Task	In preparation for business trip abroad the doctor was prescribed a histoschi-zontocidal antimalarial drug as a personal means of disease prevention. What drug was given to the doctor?
Correct answer	Chingamin
B	Biseptol (Co-trimoxazole)
C	Doxycycline
D	Mefloquine
E	Quinine
№11	krok 2017
Topic	Drugs acting on cardiovascular system
Task	A 50-year-old man is diagnosed with ischemic heart disease and cardiosclerosis with hypertensive syndrome. What drug should be prescribed in this case?
Correct answer	Metoprolol
B	Acetylsalicylic acid
C	Corglycon
D	Strophanthine

E	Potassium chloride
№12	krok 2017
Topic	Drugs acting on the CNS
Task	A woman with polyarticular rheumatoid arthritis was prescribed a non-steroidal antiinflammatory drug - diclofenac sodium. After the patient has been taking it for some time, her concomitant disease exacerbated, which forced the doctor to cancel the prescription of this drug. What concomitant disease could necessitate cancellation of this drug prescription?
Correct answer	Ulcer disease
B	Ischemic heart disease
C	Diabetes mellitus
D	Essential hypertension
E	Bronchial asthma
№13	krok 2018, 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	Preoperative examination revealed prothrombin deficiency in the blood of the patient. What drug should be preliminarily prescribed to mitigate blood loss in the patient during the surgery?
Correct answer	Vicasol (Menadione)
B	Thrombin
C	Aminocaproic acid
D	Phenilin (Phenindione)
E	Contrykal (Aprotinin)
№14	krok 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	During regular check-up a child is determined to have interrupted mineralization of the bones. What vitamin deficiency can be the cause?
Correct answer	Calciferol
B	Riboflavin
C	Tocopherol
D	Folic acid
E	Cobalamin
№15	krok 2018, 2017
Topic	Drugs acting on the CNS

Task	A 46-year-old patient suffering from ulcer disease of the stomach is diagnosed with rheumatoid arthritis. What anti-inflammatory drug would be the most advisable in this case?
Correct answer	Celecoxib
B	Prednisolone
C	Analgin (Metamizole)
D	Promedol (Trimeperidine)
E	Paracetamol
№16	krok 2017
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with chronic bronchitis was prescribed a drug with mucolytic action. Name this drug:
Correct answer	Ambroxol
B	Anaprilin (Propranolol)
C	Atropine sulfate
D	Magnesium sulfate
E	Paracetamol
№17	krok 2017, 2016
Topic	Drugs acting on cardiovascular system
Task	A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?
Correct answer	Furosemide
B	Triamterene
C	Spironolactone
D	Dichlothiazidum (Hydrochlorothiazide)
E	Diacarb (Acetazolamide)
№18	krok 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	Therapeutics unit of a hospital received a man suffering from ulcer disease of the stomach with hyperacidity. Which of the listed group of drugs must be used as a part of the complex therapy of this patient?
Correct answer	Histamine H ₂ -receptor antagonists
B	Calcium channel blockers
C	Nonsteroidal antiinflammatory drugs

D	Steroidal antiinflammatory drugs
E	Histamine H ₁ -receptor antagonists
№19	krok 2017, 2016, 2015, 2014, 2013
Topic	Antimicrobial agents
Task	A 26-year-old woman with bronchitis has been administered a broad spectrum antibiotic as a causal treatment drug. Specify this drug:
Correct answer	Doxycycline
B	Interferon
C	BCG vaccine
D	Ambroxol
E	Dexamethasone
№20	krok 2017
Topic	Agents influencing on afferent and efferent innervations
Task	During gastric resection the patient received mixed anesthesia with tubocurarin chloride muscle relaxant; to restore spontaneous respiration the patient received proserin. What pharmacological group does this drug belong to?
Correct answer	Cholinesterase inhibitors
B	Angiotensin-converting-enzyme inhibitors
C	Calcium channel blockers
D	Muscarinic antagonists
E	Muscarinic agonists
№21	krok 2017
Topic	Antimicrobial agents
Task	To treat bronchitis the patient was prescribed a beta-lactam antibiotic. Its mechanism of action is based on inhibition of murein production, which results in death of the causative agent. Name this drug:
Correct answer	Penicillin G Sodium Salt
B	Bijochinol (Quinine bismuth iodide)
C	Ciprofloxacin
D	Azithromycin
E	Streptomycin
№22	krok 2017
Topic	Drugs acting on metabolism, blood and immunity

Task	During acute hemorrhage the body loses not only fluid but also electrolytes. What substance solution can be used as a simple blood substitute?
Correct answer	Sodium chloride
B	Sodium bromide
C	Albumin
D	Sodium nucleotide
E	Calcium chloride
№23	krok 2017
Topic	Agents influencing on afferent and efferent innervations
Task	A 38-year-old woman developed a bronchial asthma attack. Which of the li-sted bronchial spasmolytics is effective for emergency aid and belongs to beta-2-adrenergic agonists?
Correct answer	Salbutamol
B	Adrenaline
C	Ipratropium bromide
D	Platyphyllin
E	Atropine
№24	krok 2017, 2010
Topic	Drugs acting on the CNS
Task	After emotional upset a woman has been suffering from disturbed sleep for several days. What soporific drug would be preferable for this type of insomnia?
Correct answer	Nitrazepam
B	Phenobarbital
C	Ethaminal sodium (Pentobarbital)
D	Barbamylum (Amobarbital)
E	Chloral hydrate
№25	krok 2017, 2014
Topic	Drugs acting on the CNS
Task	A patient with signs of emotional labi-lity that result in troubled sleep has been prescribed nitrazepam. Specify the sleep-inducing mechanism of this drug:
Correct answer	GABA-ergic system activation
B	Blockade of opiate receptors
C	Inhibition of stimulating amino acids

D	H ₁ -histamine receptors stimulation
E	Suppression of serotonergic neurotransmission
№26	krok 2017
Topic	Drugs acting on metabolism, blood and immunity
Task	To stop the bleeding the patient was prescribed a direct coagulant. During introduction of the solution the patient was complaining of pain along the vein, hot sensation, and palpitations. Name the drug that causes such symptoms:
Correct answer	Calcium chloride
B	Hirudine
C	Ergocalciferol
D	Pentoxyl
E	Streptokinase
№27	krok 2017, 2015
Topic	Drugs acting on cardiovascular system
Task	During narcosis the patient developed a risk of cerebral edema. What drug should be administered in this case?
Correct answer	Furosemide
B	Dopamine
C	Phenazepam
D	Triamterene
E	Sodium bromide
№28	krok 2018, 2017
Topic	Antimicrobial agents
Task	A patient with pulmonary tuberculosis is prescribed the most effective anti-tuberculous antibiotic. Name this drug:
Correct answer	Rifampicin
B	Tetracycline
C	Streptocide
D	Furasolidone
E	Bactrim (Co-trimoxazole)
№29	krok 2016, 2015, 2010
Topic	Drugs acting on the CNS
Task	A 4-year-old child has been admitted to an orthopaedic department with displaced shin fracture. Bone fragments reposition requires analgesia. What drug should be chosen?

Correct answer	Promedol
B	Analgin
C	Morphine hydrochloride
D	Panadol
E	-
№30	krok 2016, 2014
Topic	Drugs acting on the CNS
Task	What drug will be the most appropriate for a patient suffering from chronic gastritis with increased secretion?
Correct answer	Pirenzepine
B	Pancreatine
C	Pepsin
D	Aprotinin
E	Chlorphentermine
№31	krok 2016
Topic	Antimicrobial agents
Task	A patient has been diagnosed with gonorrhoea. As fluoroquinolones are the drugs of choice for treatment of gonorrhoea the patient should be prescribed:
Correct answer	Ciprofloxacin
B	Furazolidone
C	Fluorouracil
D	Sulfacarbamide (Urosulfanum)
E	Cefazolin
№32	krok 2016, 2013
Topic	Drugs acting on metabolism, blood and immunity
Task	A comatose patient was taken to the hospital. He has a history of diabetes mellitus. Objectively: Kussmaul breathing, low blood pressure, acetone odor of breath. After the emergency treatment the patient's condition improved. What drug had been administered?
Correct answer	Insulin
B	Adrenaline
C	Isadrinum
D	Glibenclamide
E	Furosemide

№33	krok 2016
Topic	Agents influencing on afferent and efferent innervations
Task	A 40-year-old patient suffers from bronchial asthma and prolonged tachycardia. Choose the optimal drug for rapid relief of bronchial spasm in the given case:
Correct answer	Salbutamol
B	Adrenalin hydrochloride
C	Ephedrine hydrochloride
D	Orciprenaline
E	Isoprenaline (Isadrinum)
№34	krok 2016, 2015, 2013
Topic	Drugs acting on the CNS
Task	A patient with urolithiasis has developed severe pain attacks. For pain shock prevention he was administered an antispasmodic narcotic analgesic along with atropine. Name this drug:
Correct answer	Promedol
B	Nalorphine
C	Tramadol
D	Ethylmorphine hydrochloride
E	Morphine hydrochloride
№35	krok 2016, 2015, 2011
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with acute myocardial infarction has been administered heparin as a part of complex therapy. Some time after heparin injection the patient developed hematuria. What heparin antagonist should be injected to remove the complication?
Correct answer	Protamine sulfate
B	Vicasol
C	Aminocaproic acid
D	Neodicumarin
E	Fibrinogen
№36	krok 2016
Topic	Drugs acting on cardiovascular system
Task	A 45-year-old woman suffers from arterial hypertension with high blood concentration of angiotensin II. What antihypertensive drug is the most recommended in the given case?
Correct answer	Lisinopril

B	Prazosin
C	Metoprolol
D	Reserpine
E	Verapamil
№37	krok 2016, 2015, 2011
Topic	Drugs acting on the CNS
Task	An alcoholic suffers from alcoholic psychosis with evident psychomotor agitation. What neuroleptic drug should be administered for emergency aid?
Correct answer	Aminazine
B	Diazepam
C	Sodium bromide
D	Reserpine
E	Halothane
№38	krok 2016
Topic	Drugs acting on metabolism, blood and immunity
Task	A 16-year-old young man suffering from seasonal allergic rhinitis has been prescribed a highly active second-generation H1 blocker, which can be characterized by absence of marked sedative action. Name this drug:
Correct answer	Loratadine
B	Pipolphen
C	Chloropyramine (Suprastin)
D	Indometacin
E	Erythromycin
№39	krok 2016
Topic	Agents influencing on afferent and efferent innervations
Task	A 36-year-old patient has been administered a depolarizing muscle relaxant during a surgery. Name this drug:
Correct answer	Dithylinum
B	Proserin
C	Pipecuronium bromide (Arduan)
D	Diazepam
E	Aminazine
№40	krok 2016
Topic	Antimicrobial agents

Task	UN volunteers have arrived in Nigeria to assist the locals in aftermath of earthquakes. What drug should they prescribe for individual chemoprophylaxis of malaria?
Correct answer	Chingamin
B	Pyrantel
C	Pyrimethamine (Chloridinum)
D	Primaquine
E	Interferon (Laferon)
№41	krok 2016
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient presents with dry peeling skin, frequent cases of acute respiratory diseases, xerophthalmia. What vitamin preparation should be prescribed in this case?
Correct answer	Retinol acetate
B	Thiamine
C	Cyanocobalamin
D	Menadione (Vikasolum)
E	Ergocalciferol
№42	krok 2016
Topic	Antimicrobial agents
Task	Prescription of penicillin G sodium salt has caused development of neurotoxic effects (hallucinations, convulsions). Such reaction is the result of antagonism with the following neurotransmitter:
Correct answer	GABA
B	Dopamine
C	Serotonin
D	Adenosine
E	Acetylcholine
№43	krok 2016, 2015, 2014, 2013
Topic	Drugs acting on cardiovascular system
Task	A patient has arterial hypertension. What long-acting calcium channel blocker should be prescribed?
Correct answer	Amlodipine
B	Octadine
C	Pyroxanum
D	Atenolol

E	Reserpine
№44	krok 2016, 2015
Topic	Antimicrobial agents
Task	Name the halogen-containing antiseptic with fungicidal properties, which is used to treat dermatomycosis:
Correct answer	Iodine solution
B	Formalin solution
C	Methylene blue
D	Brilliant green
E	Boric acid solution
№45	krok 2016, 2015
Topic	Drugs acting on the CNS
Task	Due to severe pain syndrome a patient was prescribed a narcotic analgesic. Name this drug:
Correct answer	Morphine
B	Metamizole (Analgin)
C	Nimesulide
D	Dimethyl sulfoxide
E	Indometacin
№46	krok 2016
Topic	Drugs acting on the CNS
Task	A patient with arthritis has been prescribed an anti-inflammatory selective COX-2 inhibitor. Select this drug among those given below:
Correct answer	Celecoxib
B	Phenylbutazone (Butadion)
C	Dimethylsulfoxide (Dimexid)
D	Indometacin
E	Metamizole (Analgin)
№47	krok 2016, 2015
Topic	Agents influencing on afferent and efferent innervations
Task	A patient after disrupted cerebral circulation has developed paralysis. Choose the anticholinesterase drug to be prescribed in this case:
Correct answer	Proserin
B	Cordiamin

C	Aceclidine
D	Methacin
E	Hexamethonium (Benzohexonium)
№48	krok 2015, 2012, 2011
Topic	Antimicrobial agents
Task	A 5-year-old child has been diagnosed with acute right distal pneumonia. Sputum inoculation revealed that the causative agent is resistant to penicillin and sensitive to macrolides. What drug should be prescribed?
Correct answer	Azithromycin
B	Tetracycline
C	Gentamycin
D	Streptomycin
E	Ampicillin
№49	krok 2015, 2013, 2012, 2009, 2007
Topic	Drugs acting on cardiovascular system
Task	Despite the administration of cardio-tonics and thiazide diuretic a patient with chronic heart failure has persistent edemas and the risk of ascites arose. What medication should be administered to enhance the diuretic effect of the administered drugs?
Correct answer	Spirolactone
B	Furosemide
C	Amiloride
D	Clopamide
E	Manitol
№50	krok 2015
Topic	Drugs acting on cardiovascular system
Task	When treating a patient with chronic cardiac failure a doctor detected bradycardia and deterioration of the patient's general state. Such condition is caused by cumulative effect of a drug. Which drug of those listed below has cumulative action?
Correct answer	Digoxin
B	Diphenhydramine (Dimedrol)
C	Hydrochlorothiazide
D	Isosorbide
E	Retinol acetate
№51	krok 2018, 2015, 2014
Topic	Antimicrobial agents

Task	A patient is diagnosed with acute morphine hydrochloride intoxication. Prescribe the oxidizing agent for gastric lavage:
Correct answer	Potassium permanganate
B	Chloramine
C	Sulfocamphocainum (Procaine + Sulfocamphoric acid)
D	Cerigel
E	Chlorhexidine (bi)gluconate
№52	krok 2015, 2014
Topic	Agents influencing on afferent and efferent innervations
Task	A patient has been given atropine sulfate for rapid relief of spastic colon symptoms. The use of this drug is contraindicated during the following disease:
Correct answer	Glaucoma
B	Bronchial asthma
C	Bradycardia
D	Hypotension
E	Gastric ulcer
№53	krok 2015, 2014
Topic	Drugs acting on cardiovascular system
Task	A 47-year-old man developed intestinal colic against the background of essential hypertension. In this situation it would be most efficient to arrest the colic by administering drugs of the following group:
Correct answer	Myotropic antispasmodics
B	Anticholinesterase agents
C	Sympathomimetics
D	M-cholinomimetics
E	Adrenomimetics
№54	krok 2015
Topic	Agents influencing on afferent and efferent innervations
Task	A patient has developed paroxysmal ventricular tachycardia against the background of cardiac infarction. What antiarrhythmic drug should be chosen to avoid lowering cardiac output?
Correct answer	Lidocaine hydrochloride
B	Procainamide
C	Verapamil
D	Propranolol

E	Potassium chloride
№55	krok 2015
Topic	Drugs acting on metabolism, blood and immunity
Task	Prolonged treatment of hypothyroidism has caused general dystrophy, dental cari-es, tachycardia, tremor of extremities. What drug is the cause of these side effects?
Correct answer	L-thyroxin
B	Humulin (Human insulin)
C	Parathyreoidinum
D	Thyrocalcitonin
E	Prednisolone
№56	krok 2015
Topic	Drugs acting on metabolism, blood and immunity
Task	To treat rheumatoid arthritis a 65-year-old woman was prescribed an immunosuppressive hormonal drug as a part of her complex therapy. Name this drug:
Correct answer	Prednisolone
B	Thymus cytomedins (Thymalin)
C	Chloropyramine (Suprastin)
D	Riboflavin
E	Fercovenum
№57	krok 2015, 2018
Topic	Antimicrobial agents
Task	An 18-year-old patient has developed candidiasis after the case of pneumonia treated with β -lactam antibiotic. What antimycotic agent should be prescribed?
Correct answer	Fluconazole
B	Streptomycin
C	Ampicillin
D	Phthalylsulfathiazole
E	Trimethoprim/sulfamethoxazole (Bi-septol)
№58	krok 2015
Topic	Agents influencing on afferent and efferent innervations
Task	A woman poisoned with unknown substance was hospitalised in a toxicologi-cal department. What group of drugs can be administered to decrease absorption and introduction of the poison to her body?

Correct answer	Adsorbents
B	Neuroleptics
C	Antioxidants
D	Organic nitrates
E	Cholinesterase inhibitors
№59	krok 2014
Topic	Antimicrobial agents
Task	Ascarid eggs have been detected during stool analysis. What drug should be prescribed?
Correct answer	Mebendazole
B	Nystatin
C	Chloramphenicol
D	Tetracycline
E	Furazolidone
№60	krok 2014
Topic	Drugs acting on cardiovascular system
Task	A patient with chronic heart failure with edema has increased level of blood aldosterone. What diuretic would be most effective in this case?
Correct answer	Spironolactone
B	Triamterene
C	Acetazolamide
D	Hydrochlorothiazide
E	Furosemide
№61	krok 2014
Topic	Drugs acting on the CNS
Task	A child was born asphyxiated. What drug must be administered to the newborn to stimulate breathing?
Correct answer	Aethimizolum
B	Lobeline
C	Prazosin
D	Atropine
E	Proserine
№62	krok 2014
Topic	Drugs acting on cardiovascular system

Task	A patient complaining of rapid pulse, dyspnea and bluish color of mucosa has been admitted to the cardiological department. The objective symptoms are as follows: edema of lower extremities, ascites. Which of the given medicines should be prescribed for intravenous administration to improve the patient's general state?
Correct answer	Corglyconum
B	Cordiamin
C	Adrenalin hydrochloride
D	Digitoxin
E	Drotaverine
№63	krok 2014
Topic	Drugs acting on the CNS
Task	A patient who had been taking diclofenac sodium for arthritis of mandibular joint developed an acute condition of gastric ulcer. Such side effect of this medicine is caused by inhibition of the following enzyme:
Correct answer	Cyclooxygenase-1 (COX-1)
B	Cyclooxygenase-2 (COX-2)
C	Lipoxygenase
D	Phosphodiesterase
E	Monoamine oxidase
№64	krok 2014
Topic	Drugs acting on the CNS
Task	A 55-year-old male had been delivered to the resuscitation unit unconscious. Relatives reported him to have mistakenly drunk an alcoholic solution of unknown origin. On examination the patient was diagnosed with methanol intoxication. What antidote should be used in this case?
Correct answer	Ethanol
B	Teturamum
C	Naloxone
D	Protamine sulfate
E	Acetylcysteine
№65	krok 2014
Topic	Drugs acting on cardiovascular system
Task	A 68-year-old patient consults a cardiologist, complaining of high arterial blood pressure, pain in the heart region, intermittent pulse. Prescribe the β_1 -adrenoreceptor blocker for the treatment of the described pathology:

Correct answer	Metoprolol
B	Morphine hydrochloride
C	Nootropil
D	Fenoterol
E	Benzympenicillin
№66	krok 2014
Topic	Antimicrobial agents
Task	A 35-year-old female patient has been hospitalised with acute intoxication caused by salts of high-density metals (lead, most probably). As a part of complex therapy the antidote that contains two active sulfhydryc groups has been prescribed. Specify this antidote:
Correct answer	Dimercaprol
B	Metamizole
C	Mannitol
D	Nalorphine hydrochloride
E	Calcium chloride
№67	krok 2014
Topic	Drugs acting on metabolism, blood and immunity
Task	A 60-year-old male patient has type II diabetes. A doctor has prescribed him synthetic hypoglycemic long-acting drug that is sulfonylurea derivative. What drug is it?
Correct answer	Glibenclamide
B	Butamide
C	Metformin
D	Actrapid (soluble insulin)
E	Acarbose
№68	krok 2014
Topic	Agents influencing on afferent and efferent innervations
Task	A 63-year-old male patient with bladder atony had been prescribed a medication, which he had been arbitrarily taking at a higher dose. The patient developed hyphidration, salivation, diarrhea, muscle spasms. The prescribed drug relates to the following group:
Correct answer	Cholinomimetics
B	Cholinesterase reactivators
C	Adrenergic blockers

D	Tocolytics
E	Ganglionic blockers
№69	krok 2014
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient complains of photoreception disorder and frequent acute viral diseases. He has been prescribed a vitamin that affects photoreception processes by producing rhodopsin, the photosensitive pigment. What vitamin is it?
Correct answer	Retinol acetate
B	Tocopherol acetate
C	Pyridoxine hydrochloride
D	Cyanocobalamin
E	Thiamine
№70	krok 2014
Topic	Drugs acting on metabolism, blood and immunity
Task	A 30-year-old patient with a past history of virus B hepatitis complains of prolonged nosebleeds. What drug will be most efficient in remedying this condition?
Correct answer	Vicasolum
B	Fraxiparine
C	Folic acid
D	Dipiridamol
E	Asparcam
№71	krok 2013
Topic	Drugs acting on metabolism, blood and immunity
Task	A girl receives antibiotics of the penicillin group for acute bronchitis. On the third day of treatment she developed allergic dermatitis. Which drug should be administered?
Correct answer	Loratadine
B	Cromolyn sodium
C	Beclomethasone
D	Ephedrine hydrochloride
E	Levamisole
№72	krok 2013
Topic	Agents influencing on afferent and efferent innervations

Task	A patient with biliary dyskinesia and constipations has been prescribed a cholagogue having also a laxative effect. What drug has been administered?
Correct answer	Magnesium sulfate
B	Allochol
C	Cholosas
D	Cholenzyme
E	Nicodinum
№73	krok 2013
Topic	General pharmacology
Task	It is known that individuals with genetically caused deficiency of glucose-6-phosphate dehydrogenase may develop RBC hemolysis in response to the administration of some antimalarial drugs. Manifestation of adverse reactions to drugs is called:
Correct answer	Idiosyncrasy
B	Allergy
C	Sensibilization
D	Tachyphylaxis
E	Tolerance
№74	krok 2013
Topic	Drugs acting on the CNS
Task	A 66-year-old patient with Parkinson's disease shows an improvement in locomotor activity after prolonged use of a certain drug which is converted to dopamine by the decarboxylation. What drug has the patient taken?
Correct answer	Levodopa
B	Naloxone
C	Celecoxib
D	Droperidol
E	Chlorpromazine
№75	krok 2013
Topic	Drugs acting on the CNS
Task	A patient has been administered an antiinflammatory drug that blocks the action of cyclooxygenase. Specify this anti-inflammatory agent:
Correct answer	Aspirin
B	Analgene
C	Allopurinol

D	Thiamin
E	Creatine
№76	krok 2013
Topic	Agents influencing on afferent and efferent innervations
Task	A 12-year-old child has a viral infection complicated by obstructive bronchitis. Bronchospasm can be eliminated by inhalations of a drug from the following pharmacological group:
Correct answer	β_2 -agonists
B	<i>M</i> -anticholinergics
C	<i>N</i> -cholinomimetics
D	β_2 -adrenergic blockers
E	Analeptics
№77	krok 2013
Topic	Drugs acting on the CNS
Task	A patient has recurrent attacks of epileptic seizures and stays unconscious between them. In order to stop convulsions the drugs of the following group should be used in the first place:
Correct answer	Tranquilizers
B	Neuroleptics
C	Muscle relaxants
D	Sedatives
E	Analeptics
№78	krok 2013
Topic	Drugs acting on the CNS
Task	A patient with arthritis and varicose veins has been taking a non-steroidal antiinflammatory drug for a long time, which caused thrombosis of skin veins. Which of the following drugs might have caused this complication?
Correct answer	Celecoxib
B	Indomethacin
C	Aspirin
D	Phenylbutazone
E	Ibuprofen
№79	krok 2013
Topic	Agents influencing on afferent and efferent innervations

Task	A 65-year-old female patient has chronic constipations due to the colon hypotonia. What drug should be chosen in this case?
Correct answer	Bisacodyl
B	Castor oil
C	Magnesium sulfate
D	Neostigmine methylsulfate
E	Metoclopramide
№80	krok 2012
Topic	Drugs acting on metabolism, blood and immunity
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 prescribed in this case?
Correct answer	Ascorbic acid and rutin
B	Thiamine and pyridoxine
C	Folic acid and cobalamin
D	Riboflavin and nicotinamide
E	Calciferol and ascorbic acid
№81	krok 2012, 2011, 2009
Topic	Agents influencing on afferent and efferent innervations
Task	A patient suffering from chronic hyperacidic gastritis takes an antacid drug for heartburn elimination. After its ingestion the patient feels better but at the same time he has a sensation of stomach swelling. Which of the following drugs might be the cause of such side effect?
Correct answer	Sodium hydrocarbonate
B	Magnesium oxide
C	Magnesium trisilicate
D	Aluminium hydrooxide
E	Pepsin
№82	krok 2012
Topic	Agents influencing on afferent and efferent innervations
Task	A 63 year old patient with collapse presentations was delivered to the emergency hospital. A physician has chosen noradrenalin against hypotension. What is its mechanism of action?
Correct answer	Activation of α_1 -adrenoreceptors
B	Activation of serotonin receptors

C	Activation of β -adrenoreceptors
D	Activation of dopamine receptors
E	Block of <i>M</i> –cholinoreceptors
№83	krok 2012
Topic	Drugs acting on cardiovascular system
Task	A 65 year old patient with chronic heart failure has been taking digitoxin in selfadministered 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
№84	krok 2012
Topic	Drugs acting on metabolism, blood and immunity
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
№85	krok 2012
Topic	Drugs acting on metabolism, blood and immunity
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

№86	krok 2012
Topic	Drugs acting on metabolism, blood and immunity
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
№87	krok 2012
Topic	General pharmacology
Task	While under barbituric anaesthesia a 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 medications?
Correct answer	Direct antagonism
B	Indirect antagonism
C	Unilateral antagonism
D	Direct synergism
E	Indirect synergism
№88	krok 2012
Topic	Antimicrobial agents
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	Azidothimidine
E	Acyclovir
№89	krok 2012
Topic	Antimicrobial agents
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
№90	krok 2012
Topic	Agents influencing on afferent and efferent innervations
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
№91	krok 2012
Topic	Drugs acting on the CNS
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
№92	krok 2012
Topic	Drugs acting on the CNS
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
Correct answer	Addiction
B	Cumulation
C	Tachyphylaxis
D	Antagonism
E	Allergy
№93	krok 2012
Topic	Agents influencing on afferent and efferent innervations

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
№94	krok 2012, 2010
Topic	Drugs acting on the CNS
Task	A patient suffers from stenocardia and takes isosorbide mononitrate. He was prescribed a complementary drug with disaggregating effect. What drug is it?
Correct answer	Acetylsalicylic acid
B	Nitroglycerine
C	Propranolol
D	Nifedipine
E	Validol
№95	krok 2012, 2010
Topic	Drugs acting on cardiovascular system
Task	A 66 year old female patient got intravenous injection of magnesium sulfate solution for the purpose of elimination of hypertensive crisis. But arterial pressure didn't go down and after repeated introduction of the same preparation there appeared sluggishness, slow response, inhibition of consciousness and respiration. What preparation is antagonist of magnesium sulfate and can eliminate symptoms of its overdose?
Correct answer	Calcium chloride
B	Potassium chloride
C	Sodium chloride
D	Activated carbon
E	Potassium permanganate
№96	krok 2012, 2010
Topic	Antimicrobial agents
Task	A patient underwent appendectomy. In the postoperative period he has been taking an antibiotic. The patient complains about hearing impairment and vestibular disorders. What group of antibiotics has such byeffects?
Correct answer	Aminoglycosides

B	Penicillins
C	Tetracyclines
D	Macrolides
E	Cephalosporins
№97	krok 2012
Topic	Antimicrobial agents
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
№98	krok 2012
Topic	Drugs acting on the CNS
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
№99	krok 2012
Topic	Antimicrobial agents
Task	A patient suffers from pulmonary tuberculosis. During treatment neuritis of visual nerve arose. What drug has caused this by-effect?
Correct answer	Isoniazid
B	Ethambutol
C	Kanamycin
D	Rifampicin
E	Streptomycin
№100	krok 2012

Topic	Drugs acting on cardiovascular system
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
№101	krok 2012
Topic	Drugs acting on cardiovascular system
Task	For relief of hypertensive crisis a doctor administered a patient a drug that apart from antihypertensive effect has also sedative, spasmolytic and anticonvulsive 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
№102	krok 2012
Topic	Drugs acting on metabolism, blood and immunity
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
№103	krok 2011, 2009
Topic	Antimicrobial agents

Task	A 30-year-old patient complains about having abdominal pain and diarrhea for five days; body temperature rise up to 37, 5° C along with chills. The day before a patient had been in a forest and drunk from an open water reservoir. Laboratory analyses enabled to make the following diagnosis: amebic dysentery. What is the drug of choice for its treatment?
Correct answer	Metronidazole
B	Furazolidonum
C	Levomycetin
D	Phthalazol
E	Emetine hydrochloride
№104	krok 2011, 2009
Topic	General pharmacology
Task	A patient suffering from stomach ulcer has been treated with an antacid drug almagel. For acute bronchitis treatment he was prescribed the antibiotic methacycline. However within next 5 days the fever didn't fall, cough and sputum nature remained unchanged. A physician came to the conclusion that the drugs were incompatible. What type of drug incompatibility is the case?
Correct answer	Pharmacokinetic, absorption stage
B	Pharmacokinetic, biotransformation stage
C	Pharmaceutic
D	Pharmacodynamic
E	Direct antagonism
№105	krok 2011, 2009
Topic	Agents influencing on afferent and efferent innervations
Task	A patient suffering from myasthenia has been administered proserin. After its administration the patient has got nausea, diarrhea, twitch of tongue and skeletal muscles. What drug would help to eliminate the intoxication?
Correct answer	Atropine sulfate
B	Physostigmine
C	Pyridostigmine bromide
D	Isadrine
E	Mesatonum
№106	krok 2011
Topic	Drugs acting on cardiovascular system
Task	A patient with essential hypertension has a high rate of blood renin. Which of antihypertensive drugs should be preferred?
Correct answer	Lisinopril

B	Propranolol
C	Prazosinum
D	Nifedipine
E	Dichlothiazide
№107	krok 2011
Topic	Drugs acting on cardiovascular system
Task	A patient with cardiogenic shock, hypotension, asphyxia and edemata was given an injection of non-glycosidic cardiotonic. What drug was injected?
Correct answer	Dobutamine
B	Caffeine sodium benzoate
C	Cordiamin
D	Aethimizolum
E	Bemegrade
№108	krok 2011
Topic	Drugs acting on cardiovascular system
Task	Which of the listed diuretic agents WILL NOT have diuretic effect on a patient with Addison's disease?
Correct answer	Spirolactone
B	Furosemide
C	Hydrochlorothiazide
D	Triamterene
E	Ethacrynic acid
№109	krok 2011
Topic	Antimicrobial agents
Task	This drug has a destructive effect on erythrocytic forms of malarial plasmodia and dysenteric amoebae. It is used for treatment and prevention of such diseases as malaria, amebiasis and interstitial disease. What drug is it?
Correct answer	Chingamin
B	Emetine hydrochloride
C	Tetracycline
D	Erythromycin
E	Quinine
№110	krok 2011, 2008
Topic	Drugs acting on metabolism, blood and immunity

Task	Examination of a 70-year-old patient revealed insulin-dependent diabetes. What drug should be administered?
Correct answer	Glibenclamid
B	Insulin
C	Mercazolilum
D	Parathyroidin
E	Cortisone
№111	krok 2011, 2007
Topic	Drugs acting on the CNS
Task	A liquidator of a breakdown at a nuclear power plant who was irradiated complained about vomiting that occurs all of a sudden. What medication should be prescribed?
Correct answer	Metoclopramide
B	Reserpine
C	Atropine
D	Aeron
E	De-Nol
№112	krok 2016, 2015, 2011
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with acute myocardial infarction has been administered heparin as a part of complex therapy. Some time after heparin injection the patient developed hematuria. What heparin antagonist should be injected in order to manage the complication?
Correct answer	Protamine sulfate
B	Vicasol
C	Aminocaproic acid
D	Neodicumarin
E	Fibrinogen
№113	krok 2011
Topic	Drugs acting on the CNS
Task	A female patient consulted a doctor about pain and limited movements in the knee joints. Which of the following nonsteroid anti-inflammatory drugs should be administered taking into consideration that the patient has a history of chronic
Correct answer	Celecoxib
B	Diclofenac sodium
C	Promedol
D	Acetylsalicylic acid

E	Butadiounum
№114	krok 2011, 2008
Topic	Agents influencing on afferent and efferent innervations
Task	If a man has an attack of bronchospasm it is necessary to reduce the effect of vagus on smooth muscles of bronchi. What membrane cytoceptors should be blocked for this purpose?
Correct answer	<i>M</i> -cholinoreceptors
B	<i>N</i> -cholinoreceptors
C	α -adrenoreceptors
D	β -adrenoreceptors
E	α - and β -adrenoreceptors
№115	krok 2011
Topic	Drugs acting on cardiovascular system
Task	A patient with coronary disease and arrhythmia has been administered a drug that blocks potassium channels and prolongs the action potential. What drug is it?
Correct answer	Amiodarone
B	Corglyconum
C	Nitroglycerin
D	Dobutamine
E	Lisinopril
№116	krok 2011, 2008
Topic	Drugs acting on cardiovascular system
Task	A patient takes digoxin for cardiac insufficiency. What diuretic may increase digoxin toxicity due to the intensified excretion of K^+ ions?
Correct answer	Hydrochlorothiazide
B	Spirolactone
C	Panangine
D	Siliborum
E	Lisinopril
№117	krok 2011, 2008
Topic	Antimicrobial agents

Task	A female patient consulted a doctor about a sense of epigastric discomfort, nausea and anorexia. A duodenal content analysis revealed lamblia. What drug should be prescribed?
Correct answer	Metronidazole
B	Chingamin
C	Rifampicin
D	Isoniazid
E	Acyclovir
№118	krok 2011
Topic	Agents influencing on afferent and efferent innervations
Task	During anesthetization a patient presented with symptoms of tonus increase of parasympathetic nervous system such as hypersalivation and laryngospasm. What drug could have prevented these undesirable effects?
Correct answer	Atropine sulphate
B	Adrenaline hydrochloride
C	Neostigmine
D	Analgin
E	Pyracetam
№119	krok 2011, 2009
Topic	Drugs acting on the CNS
Task	A patient with myocardial infarction was admitted to the cardiological department. For pain relief it was decided to potentiate fentanyl action with a neuroleptic. Which of the following neuroleptics is the most suitable for neuroleptanalgesia?
Correct answer	Droperidol
B	Aminazine
C	Triftazine
D	Haloperidol
E	Sulpiride
№120	krok 2011, 2008
Topic	Drugs acting on the CNS
Task	A patient who has been treated in a neural clinic and has been taking a sedative for a long time got the following complication: cough, rhinitis, epiphora. What drug caused these disturbances?
Correct answer	Sodium bromide
B	Diazepam
C	Valerian

D	Phenazepam
E	Reserpine
№121	krok 2011, 2008
Topic	Drugs acting on metabolism, blood and immunity
Task	In order to accelerate healing of a radiation ulcer a vitamin drug was administered. What drug is it?
Correct answer	Retinol acetate
B	Retabolil
C	Prednisolone
D	Levamisole
E	Methyluracil
№122	krok 2018, 2009
Topic	topic Drugs acting on cardiovascular system
Task	A patient suffering from coronary artery disease had taken a certain drug many times a day in order to arrest stenocardia attacks. Overdose of this drug Finally caused intoxication. Objectively: cyanotic skin and mucous membranes, dramatic fall in the arterial pressure, tachycardia, respiration inhibition. Blood has increased concentration of methemoglobin. The drug the patient had taken relates to the following group:
Correct answer	Organic nitrates
B	α -adrenoceptor blockers
C	Calcium channel blockers
D	Adenosine drugs
E	Myotropic spamolytics
№123	krok 2009
Topic	Drugs acting on metabolism, blood and immunity
Task	An elderly female patient suffers from the type 2 diabetes mellitus accompanied by obesity, atherosclerosis, coronary artery disease. Basal hyperinsulinemia is also present. What treatment would be the most appropriate?
Correct answer	Glibenclamid
B	Insulin
C	Retabolil
D	Lovastatin
E	Amlodipine
№124	krok 2009
Topic	Drugs acting on metabolism, blood and immunity

Task	A patient presents with twilight vision impairment. Which of the following vitamins should be administered?
Correct answer	Retinol acetate
B	Cyanocobalamin
C	Pyridoxine hydrochloride
D	Ascorbic acid
E	Nicotinic acid
№125	krok 2009
Topic	Drugs acting on the CNS
Task	Depressions and emotional insanities result from the deficit of noradrenalin, serotonin and other biogenic amines in the brain. Their concentration in the synapses can be increased by means of the antidepressants that inhibit the following enzyme:
Correct answer	Monoamine oxidase
B	Diamine oxidase
C	L-amino-acid oxidase
D	D-amino-acid oxidase
E	Phenylalanine-4-monooxygenase
№126	krok 2009
Topic	Drugs acting on metabolism, blood and immunity
Task	A student came to see a doctor and asked to administer him a drug for treatment of allergic rhinitis that occurs in the period of linden flowering. What drug may be used?
Correct answer	Loratadine
B	Noradrenaline hydrotartrate
C	Propranolol
D	Ambroxol
E	Losartan
№127	krok 2010, 2009
Topic	Drugs acting on the CNS
Task	A patient consulted a physician about muscle rigidity, constrained movements, permanent arm tremor. The patient was diagnosed with Parkinson's disease. What preparation should be administered?
Correct answer	Levodopa
B	Phenytoin
C	Phenobarbital
D	Diazepam

E	Ethosuximide
№128	krok 2009
Topic	Drugs acting on cardiovascular system
Task	A patient with coronary artery disease was admitted to the cardiological department. For stenocardia prevention a drug from the group of β -adrenoceptor blockers was administered. What drug is it?
Correct answer	Metoprolol
B	Atropine sulfate
C	Morphine hydrochloride
D	Oxytocin
E	Furosemide
№129	krok 2009
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with drug intoxication presented with the dryness of oral mucous membrane and mydriatic pupils. Such action of this drug is associated with the following effect:
Correct answer	Muscarinic cholinoreceptor block
B	Muscarinic cholinoreceptor stimulation
C	Nicotinic cholinoreceptor stimulation
D	Adrenoreceptor stimulation
E	Adrenoreceptor block
№130	krok 2009
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with a limb fracture must be administered a depolarizing drug from the myorelaxant group for the purpose of a short-time surgery. What drug is it?
Correct answer	Dithylinum
B	Tubocurarine chloride
C	Cytitonum
D	Atropine sulfate
E	Pentaminum
№131	krok 2009
Topic	Agents influencing on afferent and efferent innervations
Task	A patient suffering from chronic bronchitis takes a synthetic mucolytic drug that facilitates the sputum thinning. What drug is
Correct answer	Acetylcysteine

B	Diazepam
C	Heparin
D	Furosemide
E	Enalapril
№132	krok 2009
Topic	Drugs acting on metabolism, blood and immunity
Task	Before tooth extraction a patient was advised to take a certain drug for haemorrhage prevention. What drug was advised?
Correct answer	Vicasolum
B	Heparin
C	Asparcam
D	Magnesium sulfate
E	Dimedrol
№133	krok 2009
Topic	General pharmacology
Task	A patient who has been taking a drug for a long time cannot abruptly stop its use, because this may lead to psychic and somatic dysfunctions. Name the syndrome of different disorders caused by a drug withdrawal:
Correct answer	Abstinence
B	Sensibilization
C	Idiosyncrasy
D	Tachyphylaxis
E	Cumulation
№134	krok 2009
Topic	Drugs acting on the CNS
Task	A 45-year-old patient suffers from neurosis characterized by irritability, sleeplessness, motiveless anxiety. What drug would eliminate all the symptoms?
Correct answer	Diazepam
B	Valerian extract
C	Pyracetam
D	Caffeine sodium benzoate
E	Levodopa
№135	krok 2009, 2008
Topic	topic Drugs acting on cardiovascular system

Task	A patient with a hypertensive crisis was admitted to the cardiological department. He was given an intravenous injection of an antihypertensive drug - alkaliearth metal salt. What drug was injected?
Correct answer	Magnesium sulfate
B	Potassium chloride
C	Sodium hydrocarbonate
D	Calcium lactate
E	Benzohexonium
№136	krok 2008, 2010
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient ill with neurodermatitis has been taking prednisolone for a long time. Examination revealed high rate of sugar in his blood. This complication is caused by the drug influence upon the following link of carbohydrate metabolism:
Correct answer	Gluconeogenesis activation
B	Glycogenogenesis activation
C	Intensification of glucose absorption in the bowels
D	Inhibition of glycogen synthesis
E	Activation of insulin decomposition
№137	krok 2008
Topic	General pharmacology
Task	A patient with frequent attacks of stenocardia was prescribed sustakforte to be taken one tablet twice a day. At first the effect was positive but on the second day stenocardia attacks resumed. What can explain inefficiency of the prescribed drug?
Correct answer	Tachyphylaxis
B	Cumulation
C	Sensibilization
D	Idiosyncrasy
E	Dependence
№138	krok 2008
Topic	General pharmacology
Task	Continuous taking of some drugs foregoing the pregnancy increase the risk of giving birth to a child with genetic defects. What is this effect called?
Correct answer	Mutagenic effect
B	Embryotoxic effect
C	Teratogenic effect

D	Fetotoxic effect
E	Blastomogenic effect
№139	krok 2008, 2010
Topic	Drugs acting on cardiovascular system
Task	A patient suffering from chronic cardiac insufficiency was recommended to undergo a prophylactic course of treatment with a cardiological drug from the group of cardiac glycosides that is to be taken enterally. What drug was recommended?
Correct answer	Digoxin
B	Strophanthine
C	Corglycon
D	Cordiamin
E	Cordarone
№140	krok 2008
Topic	Agents influencing on afferent and efferent innervations
Task	An ophthalmologist used a 1% mesaton solution for the diagnostic purpose (pupil dilation for eye-ground examination). What is the cause of mydriasis induced by the drug?
Correct answer	Activation of α_1 adrenoreceptors
B	Activation of α_2 adrenoreceptors
C	Block of α_1 adrenoreceptors
D	Activation of β_1 adrenoreceptors
E	Activation of M-cholinoreceptors
№141	krok 2008
Topic	Antimicrobial agents
Task	Mother of a 2 year old child consulted a stomatologist. In the period of pregnancy she was irregularly taking antibiotics for an infectious disease. Examination of the child revealed incisor destruction, yellow enamel, brown rim around the dental cervix. What drug has apparent teratogenic effect?
Correct answer	Doxacycline
B	Furosemide
C	Ampiox
D	Xantinol nicotinate
E	Octadine
№142	krok 2008, 2007

Topic	Drugs acting on metabolism, blood and immunity
Task	Examination of a 60 year old patient revealed hyperglycemia and glucosuria. A doctor administered him a medication for internal use. What medication is it?
Correct answer	Glibenclamid
B	Furosemide
C	Oxytocin
D	Pancreatine
E	Corglycon
№143	krok 2008
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient ill with essential hypertension was recommended a drug that prevents thrombosis. It is to be taken parenterally. What drug is it?
Correct answer	Heparin
B	Amben
C	Protamine sulfate
D	Neodicumarin
E	Syncumar
№144	krok 2008
Topic	Antimicrobial agents
Task	A 7 year old child is ill with bronchitis. It is necessary to administer him an antibacterial drug. What drug of fluoroquinolone group is CONTRA-INDICATED at this age?
Correct answer	Cyprofloxacin
B	Ampicillin
C	Amoxicillin
D	Sulfadimethoxine
E	Ampiox
№145	krok 2008
Topic	Antimicrobial agents
Task	A patient ill with amebiasis was prescribed a certain drug. The use of alcohol together with this drug is contraindicated because the drug inhibits metabolism of ethyl alcohol. What drug is it?
Correct answer	Metronidazole
B	Reserpine

C	Clonidine
D	Diazepam
E	Aminazine
№146	krok 2008, 2007, 2010
Topic	General pharmacology
Task	A patient ill with chronic cardiac insufficiency was prescribed an average therapeutic dose of digoxin. Two weeks after begin of its taking there appeared symptoms of drug intoxication (bradycardia, extrasystole, nausea). Name the phenomenon that caused accumulation of the drug in the organism?
Correct answer	Material cumulation
B	Functional cumulation
C	Tolerance
D	achyphylaxis
E	Idiosyncrasy
№147	krok 2008
Topic	General pharmacology
Task	Parents of a 3 year old child have been giving him antibiotics with purpose of preventing enteric infections for a long time. A month later the child's condition changed for the worse. Blood examination revealed apparent leukopenia and granulocytopenia. What is the most probable mechanism of blood changes?
Correct answer	Myelotoxic
B	Autoimmune
C	Redistributive
D	Age-specific
E	Hemolytic
№148	krok 2008
Topic	Agents influencing on afferent and efferent innervations
Task	On the 2-3rd day after stomach resection intestinal peristalsis wasn't restored. What is to be administered for stimulation of gastrointestinal tract?
Correct answer	Proserin
B	Prasosin
C	Cyclodole
D	Atropine sulfate
E	Acetylcholine

№149	krok 2008
Topic	Agents influencing on afferent and efferent innervations
Task	A stomatologist injected a patient with a certain drug in order to reduce salivation during tooth filling. What drug is it?
Correct answer	Atropine sulfate
B	Adrenaline hydrochloride
C	Proserin
D	Pilocarpine hydrochloride
E	Mesaton
№150	krok 2008
Topic	Antimicrobial agents
Task	A patient consulted a stomatologist about purulent inflammation of his gums. What drug will be the most effective if it is suspected that a causative agent is an anaerobe?
Correct answer	Metronidazole
B	Gentamicin
C	Oxacillin sodium
D	Co-trimoxazole
E	Nitroxoline
№151	krok 2008
Topic	Drugs acting on metabolism, blood and immunity
Task	A 12 year old child has intolerance to some foodstuffs. Their consumption causes an allergic reaction in form of itching skin eruptions. What antihistaminic drug should be administered so that the child could attend school?
Correct answer	Loratadine
B	Dimedrol
C	Diclofenac
D	Aminophylline
E	Ephedrine
№152	krok 2008
Topic	Drugs acting on cardiovascular system
Task	A patient that entered the admission office had the following signs of acute cardiac insufficiency: paleness, acrocyanosis, frequent shallow respiration. What drug is indicated in this case?
Correct answer	Corglycon

B	Digitoxin
C	Cordiamin
D	Nitroglycerine
E	Adrenaline hydrochloride
№153	krok 2008
Topic	Antimicrobial agents
Task	A patient with bacterial pneumonia was prescribed benzylpenicillin. What is the mechanism of its antibacterial effect?
Correct answer	Inhibition of synthesis of microorganism wall
B	Inhibition of intracellular protein synthesis
C	Abnormal permeability of cytoplasmic membrane
D	Inhibition of SH-groups of microorganism enzymes
E	Antagonism with p-amino-benzoic acid
№154	krok 2008
Topic	Drugs acting on the CNS
Task	Pharmacological effects of antidepressants are connected with inhibition of an enzyme catalyzing biogenic amines noradrenaline and serotonin in the mitochondrions of cerebral neurons. What enzyme participates in this process?
Correct answer	Monoamine oxidase
B	Transaminase
C	Decarboxylase
D	Peptidase
E	Lyase
№155	krok 2008
Topic	Drugs acting on the CNS
Task	A patient with acute morphine poisoning was delivered to a hospital. What specific narcotic antagonist should be chosen in this case?
Correct answer	Naloxone
B	Paracetamol
C	Methacin
D	Digoxin
E	Unithiol
№156	krok 2007, 2010
Topic	Drugs acting on metabolism, blood and immunity

Task	A patient with infectious mononucleosis has been taking glucocorticoids for two weeks. He was brought into remission, but he fell ill with acute attack of chronic tonsillitis. What action of glucocorticoids caused this complication?
Correct answer	Immunosuppressive
B	Anti-inflammatory
C	Antishock
D	Antiallergic
E	Antitoxic
№157	krok 2007
Topic	Agents influencing on afferent and efferent innervations
Task	Introduction of a pharmaceutical substance to an experimental animal resulted in reduction of salivation, pupil mydriasis. Next intravenous introduction of acetylcholine didn't lead to any significant changes of heart rate. Name this substance:
Correct answer	Atropine
B	Adrenaline
C	Propranolol
D	Proserin
E	Salbutamol
№158	krok 2007
Topic	Antimicrobial agents
Task	A patient was diagnosed with active focal pulmonary tuberculosis. What drug should be prescribed in the first place?
Correct answer	Isoniazid
B	Sulfalen
C	Cyclocerine
D	Ethionamide
E	Ethoxide
№159	krok 2007
Topic	Drugs acting on the CNS
Task	Examination of a patient revealed extremely myotic pupils, sleepiness, infrequent Chain-Stoke's respiration, urinary retention, slowing-down of heart rate, enhancement of spinal reflexes. What substance caused the poisoning?
Correct answer	Morphine
B	Atropine
C	Phosphacole
D	Caffeine

E	Barbital
№160	krok 2007
Topic	Drugs acting on metabolism, blood and immunity
Task	A doctor administered a patient with allergic dermatitis a H_1 -histamine blocker as a part of complex treatment. Name this medication:
Correct answer	Loratadine
B	Cromolyn sodium
C	Prednisolone
D	Adrenaline
E	Hydrocortisone
№161	krok 2007
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with II stage hypertension has been taking one of hypotensive medications for the purpose of treatment. After a time arterial pressure decreased, but the patient started complaining of flaccidity, sleepiness, indifference. A bit later he felt stomach pain. He was diagnosed with ulcer. What hypotensive medication has the patient been taking?
Correct answer	Reserpine
B	Dibazole
C	Furosemide
D	Verapamil
E	Captopril
№162	krok 2007
Topic	Antimicrobial agents
Task	For the preparation of a patient's burn skin surface a certain medication was used. Its antiseptic action is provided by free oxygen that segregates in presence of organic substances. Choose the right answer:
Correct answer	Potassium permanganate
B	Furacilin
C	Chlorhexidine
D	Boric acid
E	Sodium bicarbonate
№163	krok 2007, 2010
Topic	Drugs acting on cardiovascular system

Task	A 50 y.o. patient with chronic cardiac insufficiency and tachyarrhythmia was prescribed a cardiotonic drug. What drug was prescribed?
Correct answer	Digoxin
B	Dopamine
C	Dobutamine
D	Amyodarone
E	Mildronate
№164	krok 2007
Topic	General pharmacology
Task	A 36 y.o. man has a craniocerebral trauma. Objectively: diminished breath sounds, thready pulse, no reflexes. What way of pyracetam introduction will be the most appropriate in this case?
Correct answer	Intravenous
B	Rectal
C	Subcutaneous
D	Peroral
E	Inhalation
№165	krok 2007
Topic	Agents influencing on afferent and efferent innervations
Task	A patient ill with bronchial asthma didn't inform his doctor that he had attacks of stenocardia. Doctor administered him a medication, which taking resulted in less frequent attacks of bronchial asthma, but stenocardia attacks became more frequent. What medication was administered?
Correct answer	Isadrin
B	Salbutamol
C	Aminophylline
D	Cromolyn sodium
E	Phenotherol
№166	krok 2007
Topic	General pharmacology
Task	A patient who has been treated with diazepam on account of neurosis complains of toothache. Doctor administered him an analgetic, but its dose was lower than average therapeutic dose. What phenomenon did the doctor take into account while prescribing the patient an underdose?
Correct answer	Potentiation

B	Summation
C	Cumulation
D	Drug dependence
E	Tolerance
№167	krok 2007
Topic	Drugs acting on cardiovascular system
Task	After a tooth extraction a patient felt persistent pain behind his breast bone. After sublingual intake of an antianginal drug the pain behind the breast bone disappeared, but the patient complained of headache and dizziness. What drug are these properties typical for?
Correct answer	Nitroglycerin
B	Propranolol
C	Metoprolol
D	Validol
E	Verapamil
№168	krok 2007
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with fracture of his lower jaw was admitted to the maxillofacial department. It was decided to fix his bones surgically under anaesthetic. After intravenous introduction of muscle relaxant there arose short fibrillar contractions of the patient's facial muscles. What muscle relaxant was applied?
Correct answer	Dithylinum
B	Tubocurarin chloride
C	Pipecuronium bromide
D	Diazepam
E	Melictine
№169	krok 2007
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient ill with collagenesis has been taking prednisolone for a long time. Hypokaliemia development caused spastic pain of skeletal muscles. What medication should be used in order to correct potassium exchange?
Correct answer	Panangin
B	Dithylinum
C	Diazepam
D	Noshpa

E	Thyrocalcitonin
№170	krok 2010
Topic	Drugs acting on CNS
Task	An unconscious patient was delivered to the admission ward. Objectively: the patient's skin is cold, pupils are myotic, he has laboured Cheyne-Stokes respiration, arterial pressure is low, urinary bladder is full. What substance has caused intoxication?
Correct answer	Narcotic analgetics
B	Tranquilizers
C	Non-narcotic analgetics
D	Muscarinic receptor blockers
E	-
№171	krok 2010
Topic	Drugs acting on metabolism, blood and immunity
Task	A woman works as railway traffic controller. She suffers from seasonal vasomotor rhinitis and gets treatment in the outpatient setting. She was prescribed an antihistamine that has no effect upon central nervous system. What drug is it?
Correct answer	Loratadine
B	Dimedrol
C	Promethazine
D	Suprastin
E	Tavegil
№172	krok 2010
Topic	Drugs acting on CNS
Task	A patient who suffers from insomnia caused by emotional disorder was prescribed a hypnotic drug with tranquillizing effect. What hypnotic was prescribed?
Correct answer	Nitrazepam
B	Phenobarbital
C	Chloral hydrate
D	Sodium ethaminal
E	Bromisoval
№173	krok 2010
Topic	Antimicrobial agents
Task	A healthy man is in a region with high risk of catching malaria. What drug should be administered for individual chemoprophylaxis of malaria?

Correct answer	Chingamin
B	Sulfalen
C	Tetracycline
D	Metronidazole
E	Biseptol
№174	krok 2010
Topic	Drugs acting on metabolism, blood and immunity
Task	Examination of a patient suffering from frequent haemorrhages in the inner organs and mucous membranes revealed proline and lysine being included in collagen fibers. Impairment of their hydroxylation is caused by lack of the following vitamin:
Correct answer	C
B	E
C	K
D	A
E	D
№175	krok 2010
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient suffers from diabetes melitus. After the regular insulin injection his condition grew worse: there appeared anxiety, cold sweat, tremor of limbs, general weakness, dizziness. What preparation can eliminate these symptoms?
Correct answer	Adrenaline hydrochloride
B	Butamide
C	Caffeine
D	Noradrenaline
E	Glibutide
№176	krok 2010
Topic	Antimicrobial agents
Task	A 19 year old woman suffers from primary syphilis. Doctor administered her complex therapy that includes benzylpenicillin sodium salt. What is the mechanism of action of this drug?
Correct answer	It blocks synthesis of peptidoglycan of microbial membrane
B	It blocks synthesis of cytoplasm proteins
C	It blocks thiol enzymes
D	It blocks RNA synthesis
E	It blocks DNA synthesis

№177	krok 2010
Topic	Drugs acting on cardiovascular system
Task	A 65 year old female patient suffers from chronic renal insufficiency accompanied by evident edemata caused by chronic glomerulonephritis. What diuretic should be administered for forced diuresis?
Correct answer	Furosemide
B	Hydrochlorothiazide
C	Chlorthalidone
D	Cyclometazide
E	Acetazolamide
№178	krok 2010
Topic	Agents influencing on afferent and efferent innervations
Task	A patient in postoperative period was prescribed an anticholinesterase drug for stimulation of intestinal peristalsis and tonus of urinary bladder. What drug is it?
Correct answer	Proserin
B	Dichlothiazide
C	Reserpine
D	Mannitol
E	Propanolol
№179	krok 2010
Topic	Agents influencing on afferent and efferent innervations
Task	A woman was delivered to a hospital for trachea intubation. What of the following drugs should be applied in this case?
Correct answer	Dithylinum
B	Nitroglycerine
C	Metronidazole
D	Atropine sulfate
E	Gentamycin sulfate
№180	krok 2010
Topic	Drugs acting on cardiovascular system
Task	A patient suffers from chronic left-ventricular insufficiency. What medication should be administered?
Correct answer	Digoxin
B	Bemegrade
C	Etimizole

D	Vinpocetine
E	Pyracetam
№181	krok 2010
Topic	Antimicrobial agents
Task	Burned skin surface was treated with a certain preparation. Its antiseptic properties are provided by atomic oxygen that is formed in presence of organic substances. What preparation was applied?
Correct answer	Potassium permanganate
B	Furacillin
C	Chlorhexidine bigluconate
D	Alcoholic iodine solution
E	Sodium hydrocarbonate
№182	krok 2010
Topic	Antimicrobial agents
Task	A patient has herpetic rash. What medication should be administered?
Correct answer	Acyclovir
B	Gentamycin
C	Clotrimazole
D	Benzympenicillin sodium salt
E	Biseptol
№183	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	After a nephrectomy the patient developed enteroparesis. What cholinergic agent with anticholinesterase action should be prescribed in this case?
Correct answer	Proserin
B	Carbacholine
C	Aceclidine
D	Pilocarpine
E	Acetylcholine
№184	krok 2018
Topic	Agents influencing on afferent and efferent innervations

Task	The first-aid center has received a victim of a traffic accident diagnosed with closed displaced fracture of the middle third of the thigh. For repositioning of bone fragments the patient received 10 ml of 2% dithylinum solution intravenously, which resulted in prolonged period of apnoea and muscle relaxation. What enzyme is deficient, resulting in such pharmacogenetic
Correct answer	Pseudocholinesterase
B	Uridine diphosphate glucuronyltransferase
C	Glucose 6-phosphate dehydrogenase
D	Methemoglobin reductase
E	N-acetyltransferase
№185	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	A patient used an indirect-acting adrenergic agonist to treat rhinitis. After the patient has been putting in the nose drops for several days, the vasoconstrictive effect of the drug gradually diminished. Name this phenomenon:
Correct answer	Tachyphylaxis
B	Idiosyncrasy
C	Teratogenicity
D	Allergy
E	Cumulation
№186	krok 2018
Topic	Agents influencing on afferent and efferent innervations
Task	A patient, who has been taking β -adrenergic blockers, developed a bronchial spasm. What group of bronchodilators should be chosen to stop the bronchial spasm?
Correct answer	Myotropic antispasmodics
B	β -adrenergic blockers
C	Indirect adrenergic agonists
D	Muscarinic cholinomimetic agents
E	Cholinesterase inhibitors
№187	krok 2018
Topic	General pharmacology
Task	A patient has been taking bisacodyl for a long time to treat chronic constipation. However, several weeks later the aperient effect of the drug diminished. What is the possible cause of this?
Correct answer	Acquired tolerance
B	Drug dependence

C	Material cumulation
D	Functional cumulation
E	Sensitization
№188	krok 2018
Topic	Drugs acting on the CNS
Task	A patient has developed status epilepticus. What medicine should be used in this case to stop the seizures?
Correct answer	Diazepam
B	Cyclodol (Trihexyphenidyl)
C	Diprazine (Promethazine)
D	Sodium bromide
E	Valerian extract
№189	krok 2018
Topic	Drugs acting on the CNS
Task	A patient with parkinsonism was prescribed levodopa, which led to rapid improvement of the patient's condition. What is the mechanism of action of this drug?
Correct answer	Stimulation of dopamine synthesis
B	Muscarinic acetylcholine receptor blockade
C	Stimulation of dopamine receptors
D	Anticholinesterase action
E	Muscarinic acetylcholine receptor stimulation
№190	krok 2018
Topic	Drugs acting on the CNS
Task	A schizophrenia patient was prescribed aminazine. What pharmacodynamic action of this drug is the grounds for its prescription in this case?
Correct answer	Antipsychotic
B	Antiemetic
C	Hypothermic
D	Muscle relaxant
E	Hypotensive
№191	krok 2018
Topic	Drugs acting on cardiovascular system

Task	A 60-year-old man diagnosed with chronic heart failure was brought to the hospital. After a long course of treatment the patient developed signs of intoxication: dyspnea, extrasystole, nausea, and disturbed perception of colors. What medicine has caused such side-effects?
Correct answer	Digoxin
B	Anaprilin (Propranolol)
C	Nitroglycerine
D	Drotaverine
E	Furosemide
№192	krok 2018
Topic	Drugs acting on cardiovascular system
Task	A patient with myocardial infarction has acute heart failure. Among the drugs that increase the force of heart contractions the least dangerous in this case will be:
Correct answer	Dobutamine
B	Adrenaline
C	Isadrinum (Isoprenaline)
D	Euphyllin (Aminophylline)
E	Caffeine
№193	krok 2018
Topic	Drugs acting on cardiovascular system
Task	A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?
Correct answer	Furosemide
B	Triamterene
C	Spirolactone
D	Hydrochlorothiazide (Dichlothiazidum)
E	Acetazolamide (Diacarb)
№194	krok 2018
Topic	Drugs acting on cardiovascular system
Task	A 42-year-old man with gout presents with high content of uric acid in blood. The patient was prescribed allopurinol to lower the concentration of uric acid. Allopurinol is a competitive inhibitor of the following enzyme:
Correct answer	Xanthine oxidase
B	Adenosine deaminase

C	Adenine phosphoribosyltransferase
D	Hypoxanthine phosphoribosyltransferase
E	Guanine deaminase
№195	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	Condition of a patient with diabetes mellitus sharply deteriorated after a regular injection of insulin. The patient became anxious and broke out in cold sweat; tremor of the extremities, general weakness, and dizziness appeared. What medicine can remove these symptoms?
Correct answer	Adrenaline
B	Tolbutamide
C	Caffeine
D	Noradrenaline
E	Glibutid (Buformin)
№196	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A 56-year-old man complains of thirst and frequent urination. The endocrinologist diagnosed this patient with diabetes mellitus and prescribed him glibenclamide. What mechanism of action does this drug have?
Correct answer	Stimulation of β -cells of islets of Langerhans
B	Facilitates glucose uptake by the tissues
C	Facilitates glucose transport through cell membranes
D	Suppression of α -cells of islets of Langerhans
E	Inhibits glucose absorption in the intestine
№197	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A 25-year-old young man came to the doctor complaining of general weakness, rapid fatigability, irritability, reduced working ability, and bleeding gums. What vitamin is likely to be deficient in this case?
Correct answer	Ascorbic acid
B	Riboflavin
C	Thiamine
D	Retinol
E	Folic acid
№198	krok 2018

Topic	Drugs acting on metabolism, blood and immunity
Task	An 8-year-old girl presents with signs of disturbed twilight vision. This condition is caused by the deficiency of vitamin:
Correct answer	A
B	E
C	D
D	K
E	F
№199	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with contact dermatitis needs to be prescribed an antihistamine drug without somnolescent effect. Select this drug from the list:
Correct answer	Loratadine
B	Dimedrol (Benadryl)
C	Suprastin (Chloropyramine)
D	Diprazine (Promethazine)
E	Ranitidine
№200	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	Patients with bile duct obstruction typically present with inhibited blood clotting and develop hemorrhages due to insufficient assimilation of vitamin:
Correct answer	K
B	A
C	D
D	E
E	C
№201	krok 2018
Topic	Antimicrobial agents
Task	A patient with streptococcal infection of the gingiva was prescribed a drug with β -lactam ring in its structure. What drug of those listed below belongs to this pharmacological group?
Correct answer	Benzylpenicillin
B	Rifampicin
C	Erythromycin

D	Streptomycin sulfate
E	Levomycesin (Chloramphenicol)
№202	krok 2018
Topic	Antimicrobial agents
Task	A 4-year-old child presents with numerous carious cavities and yellowcolored teeth. The mother has a history of antibiotic treatment during her pregnancy. What antibiotic was the most likely taken by the child's mother?
Correct answer	Doxycycline
B	Streptomycin sulfate
C	Ampicillin
D	Erythromycin
E	Cefazolin
№203	krok 2018
Topic	Drugs acting on metabolism, blood and immunity
Task	A patient with exacerbated peptic ulcer disease of the stomach has made an appointment with the doctor. What type of drugs should be included in the complex therapy of this patient?
Correct answer	H2 antagonists
B	H1 antagonists
C	α -adrenergic antagonists
D	β -adrenergic antagonists
E	α -adrenergic agonists
№	krok 2019
Topic	Antimicrobial agents
Task	To treat the burns, a patient was prescribed a drug with antiseptic properties that are based on formation of atomic oxygen in the presence of organic substances. This drug has also an astringent (anti-inflammatory) effect due to formation of albuminates. Name this drug:
Correct answer	Hydrogen peroxide
B	Ethyl alcohol
C	Sodium bicarbonate
D	Chlorhexidine digluconate
E	Potassium permanganate
№	krok 2019
Topic	: Agents influencing on afferent and efferent innervations

Task	During gastric resection the patient received mixed anesthesia with tubocurarin chloride muscle relaxant; to restore spontaneous respiration the patient received proserin. What pharmacological group does this drug belong to?
Correct answer	Muscarinic antagonists
B	Muscarinic agonists
C	Cholinesterase inhibitors
D	Calcium channel blockers
E	Angiotensin-converting-enzyme inhibitors
№	krok 2019
Topic	Antimicrobial agents
Task	A 45-year-old man with acute pneumonia was prescribed a penicillin antibiotic. However, when tested for personal tolerance to this antibiotic, he developed an allergic response. What drug should be prescribed for treatment instead?
Correct answer	Erythromycin
B	Benzylpenicillin
C	Phenoxymethylpenicillin
D	Bicillin-5
E	Ciprofloxacin
№	krok 2019
Topic	Drugs acting on cardiovascular system
Task	A patient has elevated blood pressure due to increased vascular tone. To lower the blood pressure in this case it is necessary to prescribe the blockers of:
Correct answer	Muscarinic acetylcholine receptors
B	α -adrenoceptors
C	α - and β -adrenoceptors
D	Histamine H1 receptors
E	β -adrenoceptors
№	krok 2019
Topic	Drugs acting on the CNS
Task	A patient with inoperable lung cancer accompanied by unbearable pain was prescribed an analgesic. Against the background of analgesic therapy the patient developed signs of intestinal obstruction. What analgesic could have caused this complication?
Correct answer	Morphine
B	Omnopon (Papaveretum)
C	Fentanyl

D	Promedol (Trimeperidine)
E	Analgin (Metamizole)
№	krok 2019
Topic	Drugs acting on cardiovascular system
Task	A patient was administered a certain drug for relief of cardiac rhythm disturbance. This drug can be used as a local anesthetic as well. Name this drug:
Correct answer	Lidocaine hydrochloride
B	Diphenine (Phenytoin)
C	Anaesthesin (Benzocaine)
D	Cocaine hydrochloride
E	Dicain (Tetracaine)
№	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A woman with allergic neurodermatitis was prescribed a second-generation antihistamine without depressing effect on the CNS. Name this drug:
Correct answer	Loratadine
B	Dimedrol (Diphenhydramine)
C	Tavegyl (Clemastine)
D	Ketotifen
E	Diazolin (Mebhydrolin)
№	krok 2019
Topic	Drugs acting on the CNS
Task	The neurological department received a patient complaining of memory deterioration and loss of mental work capacity that developed after a head trauma. Recommend him a medicine for improvement in cerebral metabolism:
Correct answer	Piracetam (Nootropil)
B	Analgin (Metamizole)
C	Meridil (Methylphenidate)
D	Sydnocarb (Mesocarb)
E	Caffeine
№	krok 2019
Topic	Drugs acting on cardiovascular system

Task	A 45-year-old woman has an attack of cardiac fibrillation. She suffers from stage II essential hypertension. What is the drug of choice for stopping this attack?
Correct answer	Anaprilin (Propranolol)
B	Sustac forte (Nitroglycerin)
C	Potassium chloride
D	Strophanthin
E	Lidocaine
№	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 39-year-old man presents with hyperkeratosis, disturbed twilight vision, and high risk of infectious processes. What vitamin preparation should he be prescribed?
Correct answer	Retinol acetate
B	Ergocalciferol
C	Pyridoxine hydrochloride
D	Riboflavin
E	Tocopherol acetate
№	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 33-year-old woman, who for a long time has been treated for chronic polyarthritis, complains of elevated blood pressure, changes in adipose tissue distribution, and disturbed menstrual cycle. What drug does this patient take?
Correct answer	Prednisolone
B	Indometacin
C	Butadion (Phenylbutazone)
D	Synaflan (Fluocinolone acetonide)
E	Beclometasone
№	krok 2019
Topic	Antimicrobial agents
Task	Before a surgery the patient was prescribed a synthetic antiprotozoal drug for prevention of wound infection. The prescribed drug is highly effective against <i>Helicobacter pylori</i> . Name this drug:
Correct answer	Metronidazole
B	Aciclovir
C	Doxycycline hydrochloride

D	Isoniazid
E	Chingamin (Chloroquine)
№	krok 2019
Topic	General pharmacology
Task	A patient has been taking bisacodyl for a long time to treat chronic constipation. However, several weeks later the aperient effect of the drug diminished. What is the possible cause of this?
Correct answer	Acquired tolerance
B	Functional cumulation
C	Material cumulation
D	Drug dependence
E	Sensitization
№	krok 2019
Topic	Antimicrobial agents
Task	Before a surgery the patient was prescribed a synthetic antiprotozoal drug for prevention of wound infection. The prescribed drug is highly effective against <i>Helicobacter pylori</i> . Name this drug:
Correct answer	Metronidazole
B	Aciclovir
C	Doxycycline hydrochloride
D	Isoniazid
E	Chingamin (Chloroquine)
№	krok 2019
Topic	Drugs acting on metabolism, blood and immunity
Task	A 40-year-old man with pulmonary tuberculosis was prescribed isoniazid. Prolonged taking of this drug can result in development of the following vitamin deficiency:
Correct answer	Pyridoxine
B	Thiamine
C	Cobalamin
D	Biotin
E	Folic acid
№	krok 2019
Topic	Drugs acting on cardiovascular system
Task	A patient with arrhythmia was hospitalized into the cardiology unit. What antiarrhythmic drug should be prescribed?

Correct answer	Amiodarone
B	Acetylsalicylic acid
C	Diclofenac sodium
D	Furacilin (Nitrofurantoin)
E	Drotaverine hydrochloride
№	krok 2019
Topic	Antimicrobial agents
Task	A patient with streptococcal infection of the gingiva was prescribed a drug with β -lactam ring in its structure. What drug of those listed below belongs to this pharmacological group?
Correct answer	Benzylpenicillin
B	Levomecetin (Chloramphenicol)
C	Streptomycin sulfate
D	Rifampicin
E	Erythromycin
№	krok 2019
Topic	Drugs acting on the CNS
Task	A 46-year-old man presents with fatigue and joint pain in his fingers and wrists for the last 2 months. The pain is present in both hands and the wrists are swollen. Furthermore, he describes morning stiffness in his joints lasting about 2 hours, which improves with use. His past medical history reveals he has been successfully treated for <i>H. pylori</i> related ulcers last year. He denies smoking and stopped drinking when his gastric symptoms started. Which of the following drugs is the best choice for his joints' pain management?
Correct answer	Celecoxib
B	Paracetamol
C	Aspirin
D	Prednisone
E	Morphine
№	krok 2019
Topic	Drugs acting on the CNS

Task	A 64-year-old man presents with a tremor in his legs and arms. He says he has had the tremor for "many years" but it has worsened in the last year. The tremor is more prominent at rest and nearly disappears on movement. His daughter mentions that his movements have become slower. The patient is afebrile and vital signs are within normal limits. On physical examination, the patient is hunched over and his face is expressionless throughout examination. There is a "pill-rolling" resting tremor that is accentuated when the patient is asked to clench the contralateral hand and alleviated by finger- nose testing. When asked to walk across the room, the patient has difficulty taking the first step, has a stooped posture and takes short rapid shuffling steps. A doctor initiates pharmacotherapy and the drug of first line, levodopa is prescribed. Which of the following is the most likely mechanism of action of this drug?
Correct answer	Stimulation of dopamine production
B	Cholinesterase inhibition
C	
D	Activation of M2-cholinergic receptors
E	Inhibition of M2-cholinergic receptors
№	krok 2020
Topic	Antimicrobial agents
Task	To treat the burns, a patient was prescribed a drug with antiseptic properties that are based on formation of atomic oxygen in the presence of organic substances. This drug has also an astringent (anti-inflammatory) effect due to formation of albuminates. Name this drug:
Correct answer	Potassium permanganate
B	Hydrogen peroxide
C	Chlorhexidine digluconate
D	Ethyl alcohol
E	Sodium bicarbonate
№	krok 2020
Topic	Drugs acting on the CNS
Task	A woman has lately been excessively excitable and irritable and had insomnia. She was prescribed diazepam. What is the main mechanism of action of this drug?
Correct answer	Benzodiazepine receptor stimulation
B	Muscarinic acetylcholine receptor stimulation
C	Beta-adrenergic receptor stimulation
D	Nicotinic acetylcholine receptor blockade
E	Serotonin receptor blockade

№	krok 2020
Topic	Drugs acting on the CNS
Task	A patient has developed status epilepticus. What medicine should be used in this case to stop the seizures?
Correct answer	Diazepam
B	Cyclodol (Trihexyphenidyl)
C	Sodium bromide
D	Diprazine (Promethazine)
E	Valerian extract
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	A patient has severe peripheral edema. Consecutive administration of dichlothiazide (hydrochlorothiazide), etacrynic acid, and furosemide did not have any significant diuretic effect. In the blood there is a significant increase of aldosterone levels. What is the drug of choice in this case?
Correct answer	Spirolactone
B	Triamterene
C	Amiloride
D	Metoclopramide
E	Mannitol
№	krok 2020
Topic	Antimicrobial agents
Task	A 40-year-old man with pulmonary tuberculosis was prescribed isoniazid. Prolonged taking of this drug can result in the development of the following vitamin deficiency:
Correct answer	Pyridoxine
B	Biotin
C	Thiamine
D	Cobalamin
E	Folic acid
№	krok 2020
Topic	Agents influencing on afferent and efferent innervations

Task	During gastric resection the patient received mixed anesthesia with tubocurarine chloride cle relaxant. To restore unassisted respiration in the patient, the patient was given proserin. What pharmacological group does this drug belong to?
Correct answer	Muscarinic agonists
B	Muscarinic antagonists
C	Angiotensin-converting-enzyme inhibitors
D	Calcium channel blockers
E	Cholinesterase inhibitors
№	krok 2020
Topic	Drugs acting on metabolism, blood and immunity
Task	A 56-year-old woman with angioneurotic edema was prescribed an HI blocker with antispasmodic, sedative, and local anesthetic action. Select this HI blocker from the list:
Correct answer	Dimedrol (Diphenhydramine)
B	Oxoline (Dioxotetrahydroxytetrahydronaphthaline)
C	Ambroxol
D	Acyclovir
E	Levodopa
№	krok 2020
Topic	Antimicrobial agents
Task	A patient needs to be prescribed a wide-spectrum fluoroquinolone agent. Select one such agent from the list:
Correct answer	Ciprofloxacin
B	Azlocillin
C	Carbenicillin
D	Chinoxydin
E	Amoxicillin
№	krok 2020
Topic	Pharmacokinetics
Task	A 42-year-old man with intestinal atony was prescribed proscrin, after which he developed signs of bronchospasm. What type of drug action is it?
Correct answer	Indirect action
B	Main action

C	Side-effect
D	Direct action
E	Selective action
№	krok 2020
Topic	Pharmacodynamics
Task	A patient used an indirect-acting adrenergic agonist to treat rhinitis. After the patient has been administering in the nose drops for several days, the vasoconstrictive effect of the drug gradually diminished. Name this phenomenon:
Correct answer	Tachyphylaxis
B	Idiosyncrasy
C	Teratogenicity
D	Allergy
E	Cumulation
№	krok 2020
Topic	Drugs acting on metabolism, blood and immunity
Task	A 10-year-old homeless boy was brought to the admission room with a severe case of bronchitis. Objectively, the child is exhausted; he presents with delayed physical development, dry peeling skin, trophic ulcers in some places, and a loss of twilight vision ("night-blindness"). What vitamin supplements should be prescribed to this boy?
Correct answer	Retinol acetate
B	Pyridoxine hydrochloride
C	Ascorbic acid
D	Cyanocobalamin
E	Tocopherol acetate
№	krok 2020
Topic	Drugs acting on cardiovascular system
Task	A patient with myocardial infarction has acute heart failure. Among the drugs that increase the force of heart contractions the least dangerous in this case will be:
Correct answer	Dobutamine
B	Isadrinum (Isoprenaline)
C	Caffeine
D	Euphyllin (Aminophylline)
E	Adrenaline
№	krok 2020

Topic	Antimicrobial agents
Task	The mother of a 2-year-old child came to the dentist. During her pregnancy she was randomly taking antibiotics to treat an infectious disease. Examination of the child revealed destruction of the incisors, yellow enamel, and a brown border near the dental cervices. What medicine has a marked teratogenic effect?
Correct answer	Doxycycline
B	Octadine (Guanethidine)
C	Xantinol nicotinate
D	Ampiox (Ampicillin + Oxacillin)
E	Furosemide
№	krok 2020
Topic	Drugs acting on the CNS
Task	A patient with schizophrenia was prescribed a drug to stop the hallucinations. After a month of taking this drug the hallucinations stopped, but the patient developed signs of drug-induced parkinsonism. What drug was used for treatment in this
Correct answer	Aminazine (Chlorpromazine)
B	Amitriptyline
C	Curantyl (Dipyridamole)
D	Imizine (Imipramine)
E	Sodium bromide
№	krok 2020
Topic	Drugs acting on the CNS
Task	After a surgery, the patient for a long time was receiving Promedol (Trimeperidine) intravenously. When he stopped receiving this drug, he developed severe psychosomatic disturbances. Name this phenomenon:
Correct answer	Withdrawal syndrome
B	Steal syndrome
C	Rebound effect
D	Idiosyncrasy
E	Tachyphylaxis
№	krok 2020
Topic	Drugs acting on the CNS
Task	A patient was hospitalized in a preshock condition. He has a penetrating wound to the chest and coughs constantly. What medicine will have analgesic and antitussive effect in this case?
Correct answer	Morphine hydrochloride

B	Prednisolone
C	Dimedrol (Diphenhydramine)
D	Libexin (Prenoxdiazine)
E	Adrenaline hydrochloride
№	krok 2020
Topic	Antimicrobial agents
Task	The dentist detected herpetic stomatitis in a patient. What medicine should the patient be prescribed?
Correct answer	Acyclovir
B	Midantan (Amantadine)
C	Kanamycin
D	Erythromycin
E	Lincomycin
№	krok 2020
Topic	Drugs acting on metabolism, blood and immunity
Task	A woman, who takes an indirect anticoagulant, developed intestinal bleeding. What antagonist drug should she be prescribed?
Correct answer	Vicasol (Vitamin K)
B	Trental (Pentoxifylline)
C	Mannitol
D	Fercoven (iron sucrose and cobalt gluconate)
E	Diacarb (Acetazolamide)
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	Anticoagulant Therapy is indicated in case of acute thrombosis. What direct acting anticoagulant is used if there is a risk of thrombosis?
Correct answer	Heparin
B	Fraxiparine (Nadroparin)
C	Dipyridamole
D	Pentoxifylline
E	A. Warfarine
№	krok 2021
Topic	Drugs acting on the CNS

Task	A 28-year-old woman came to a polyclinic with complaints of a headache. The doctor offered her paracetamol, taking into consideration that the woman has a somatic disease. Presence of what concomitant disease affected the prescription specifically paracetamol?
Correct answer	Peptic ulcer disease of the stomach
B	Rheumatoid arthritis
C	Atherosclerosis
D	Nephritis
E	Cholecystitis
№	krok 2021
Topic	Drugs acting on the CNS
Task	A 35-year-old parturient woman is diagnosed with a pain syndrome associated with a delay in the first stage of labor. What medicine would be optimal for pain relief in this case?
Correct answer	Promedol (Trimeperidine)
B	Codeine
C	Morphine
D	Ketamine
E	Analgin (Metemizole)
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	A patient has elevated blood pressure due to increased vascular tone. To lower the blood pressure in this case it is necessary to prescribe the blockers of:
Correct answer	α -adrenoreceptors
B	β -adrenoreceptors
C	α - and β -adrenoreceptors
D	Histamine H1 receptors
E	Muscarinic acetylcholine receptors
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	Due to an uncontrolled intake of a vitamin supplement, a child developed anorexia, nausea, vomiting, diarrhea, hyperthermia, hemorrhages on the skin and mucosa, as well as the signs of meningism. What supplement was the child taking?
Correct answer	Retinol acetate
B	Cyanocobalamin

C	Thiamine
D	Nicotinamide
E	Tocopherol acetate
№	krok 2021
Topic	Antimicrobial agents
Task	Name the drug that has a detrimental effect on erythrocytic forms of malarial plasmodiae and <i>Entamoeba histolytica</i> and is used for treatment and prevention of malaria, as well as for treatment of amebiasis and collagen diseases.
Correct answer	Cningamine (Chloroquine)
B	Tetracycline
C	Emetine hydrochloride
D	Quinine
E	Erythromycine
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	A 56-year-old man complains of thirst and frequent urination. The endocrinologist diagnosed this patient with diabetes mellitus and prescribed him glibenclamide. What mechanism of action does this drug have?
Correct answer	Stimulates β -cells of Langerhans islets
B	Facilitates glucose transport through cell membranes
C	Inhibiting α -cells of Langerhans islets
D	Inhibiting glucose absorption in the intestine
E	Facilitates glucose uptake by the tissues
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	Patients with ischemic heart disease are usually prescribed small doses of aspirin. This drug inhibits synthesis of platelet aggregation activator, thromboxane A ₂ . What substance is this activator synthesized from?
Correct answer	Arachidonic acid
B	Acetic acid
C	Glutamic acid
D	Homogentisic acid
E	Malonic acid
№	krok 2021
Topic	Antimicrobial agents

Task	After 10 days of antibiotic treatment, the patient developed signs of dysbiosis: dyspeptic phenomena, candidomycosis, jaundice and photosensitization. It means that the patient was taking an antibiotic of the following group:
Correct answer	Tetracycline group
B	Penicillin group
C	Rifampicin group
D	Cephalosporin group
E	Aminoglycoside group
№	krok 2021
Topic	Drugs acting on the CNS
Task	After a long course of treatment of sluggish schizophrenia, a man developed signs of parkinsonism. Which of the following drugs could have caused this complication
Correct answer	Aminazine (Chlorpromazine)
B	Sibazon (Diazepam)
C	Lithium carbonate
D	Piracetam
E	Haloperidol
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	A patient with essential hypertension, taking hypothiazide (hydrochlorthiazide) treatment. He complains of general weakness, loss of appetite, and palpitations. He has muscle hypotonia, flaccid paralyzes, and decreased intestinal peristalsis. What can be the cause of this condition?
Correct answer	Hypokalemia
B	Hyperkalemia
C	Hyponatremia
D	Hypercalcemia
E	Hyperuricemia
№	krok 2021
Topic	Antimicrobial agents
Task	Stool analysis detected ascaris eggs in the patient's feces. What medicine should be prescribed for this patient's treatment?
Correct answer	Mebendazole
B	Tetracycline
C	Levomycetin (Chloramphenicol)

D	Furazolidone
E	Nystatin
№	krok 2021
Topic	Antimicrobial agents
Task	A 40-year-old man with pulmonary tuberculosis was prescribed isoniazid. Prolonged taking of this drug can result in development of the following vitamin deficiency:
Correct answer	Pyridoxine
B	Cobolamin
C	Thiamine
D	Folic acid
E	Biotin
№	krok 2021
Topic	General pharmacology
Task	A patient has been taking bisacodyl for a long time to treat chronic constipation. However, several weeks later the aperient effect of the drug diminished. What is the possible cause of this?
Correct answer	Acquired tolerance
B	Sensitization
C	Drug dependence
D	Functional cumulation
E	Material cumulation
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	Because of the violation of the safety rules while working with organophosphorus insecticide, a worker has developed bronchospasm. Which of the listed broncholytics is indicated in this case?
Correct answer	Atropine
B	Berotec (Fenoterol)
C	Ephedrine
D	Adrenalin
E	Euphyllin (Aminophylline)
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations

Task	A 25-year-old man came to a neurologist with complaints of a weakness in his legs and disturbed gait. The doctor diagnosed him with myasthenia gravis and prescribed him proserin injections. What is the mechanism of action of this medicine?
Correct answer	Anticholinesterase action
B	Direct-acting cholinomimetic
C	Acetylcholine synthesis activator
D	Inhibitor of braking processes
E	Metabolic Stimulant
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	A certain natural antioxidant is used in treatment of parodontosis. Which of the listed natural compounds is used as an antioxidant?
Correct answer	Tocopherol
B	Gluconate
C	Thiamine
D	Choline
E	Pyridoxine
№	krok 2021
Topic	General pharmacology
Task	A 60-year-old man was taking digoxin systematically. His condition first improved and then started to deteriorate. He developed bradycardia and arrhythmia. What is the underlying phenomenon of this state?
Correct answer	Material cumulation
B	Allergy
C	Enzyme induction
D	Reduced sensitivity of adrenergic receptors
E	Tachyphylaxis
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	Anaprilin (propranolol) therapy had a positive effect on the disease course in a 44-year-old woman with angina pectoris. What is the mechanism of action of this drug?
Correct answer	Beta-adrenergic receptor block and a decrease in myocardial oxygen demand
B	Reduction of myocardial energy consumption due to reduced load
C	Increased oxygen supply to the myocardium

D	Reduction of oxidative metabolism in the myocardium due to blockade of the Krebs cycle enzymes
E	Decreased myocardial oxygen demand and increased oxygen supply to the myocardium
№	krok 2021
Topic	Antimicrobial agents
Task	Mother of a 2-year-old child made an appointment with the dentist. She complains of teeth destruction in her child. Examination shows that the milk teeth of the child are deformed, carious, and have a brown border at their cervices. Medical history of the mother revealed that during her pregnancy she had been taking antibiotics without the doctor's prescription. What group of antibiotics with the most marked teratogenic effect was likely taken by mother?
Correct answer	Tetracyclines
B	Aminoglycosides
C	Macrolides
D	Cephalosporins
E	Penicillins
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	The first-aid center has received a victim of a traffic accident diagnosed with a closed displaced fracture of the middle third of the thigh. For repositioning of bone fragments the patient received 10 ml of 2% dithylinum solution intravenously, which resulted in a prolonged period of apnoea and muscle relaxation. What enzyme is deficient, resulting in such pharmacogenetic enzymopathy?
Correct answer	Pseudocholinesterase
B	Cholinesterase
C	N-acetyltransferase
D	Methemoglobin reductase
E	Glucose-6-phosphate dehydrogenase
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	A man, who has a long history of angina pectoris, was along with coronarolytics prescribed acetylsalicylic acid to decrease the platelet aggregation. What is the mechanism of action of acetylsalicylic acid?
Correct answer	Reduces cyclooxygenase activity
B	Increases prostacyclin synthesis
C	Has a membrane-stabilizing effect
D	Increases platelet adenylate cyclase activity

E	Reduces phosphodiesterase activity
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	A woman with ischemic heart disease was prescribed amiodarone. This medicine has antianginal effect. What other effect does it have?
Correct answer	Antiarrhythmic
B	Anti-inflammatory
C	Analgesic
D	Antishock
E	Local anesthetic
№	krok 2021
Topic	Drugs acting on the CNS
Task	A urology department has received a 48-year-old man with signs of renal colic. What medicine will be the most advisable in this condition?
Correct answer	Promedol (Trimeperidine)
B	Fentanyl
C	Atropine
D	Analgin (Metamizole)
E	Morphine
№	krok 2021
Topic	Antimicrobial agents
Task	What drug is used for treatment of malaria, amoebic dysentery, and autoimmune diseases?
Correct answer	Cningamine (Chloroquine)
B	Streptomycin sulfate
C	Co-trimoxazole
D	Itraconazole
E	Dexamethasone
№	krok 2021
Topic	Drugs acting on the CNS
Task	A 35-year-old woman was taking acetylsalicylic acid to relieve the pain in her carious tooth. After a time, she noticed digestive disorders, stomach heaviness, and heartburn. Why does this drug aggravate the gastric condition?
Correct answer	Inhibits the activity of COX-1 in the stomach

B	Disrupt the microcirculation in the gastrointestinal mucosa
C	Increases pepsin activity
D	Increases hydrochloric acid secretion
E	Blocks PDE of stomach muscles
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	A 50-year-old man has undergone a surgery for gastric cancer. Complex anesthesia included dithylin (suxamethonium iodide). After the surgery was over, dithylin effect continued. Why is proserine (neostigmine) contraindicated in case of dithylin overdose?
Correct answer	Increases synaptic membrane depolarization
B	Causes intestinal colic
C	Reduces acetylcholine effect
D	May cause bronchospasm
E	Reactivates acetylcholinesterase
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	An older woman has type 2 diabetes mellitus accompanied by obesity, atherosclerosis, and ischemic heart disease. Basal-state hyperinsulinemia was detected in her condition. What treatment would be adequate for this woman?
Correct answer	Glibenclamide
B	Insulin
C	Lovastatin
D	Retabolil (Nandrolone)
E	Amlodipine
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	A patient with suppurative bronchitis was hospitalized into the pulmonology department. As a part of complex therapy, he was prescribed a medicine that liquefies sputum and facilitates expectoration. Name this medicine:
Correct answer	Acetylcysteine
B	Prednisolone
C	Valerian tincture
D	Morphine hydrochloride
E	Cholosas

№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	On the third day after gastric resection, the patient developed intestinal atony. What medicine should be used in this case?
Correct answer	Proserine (Neostigmine)
B	Benzohexonium (Hexamethonium)
C	No-Spa (Drotaverine)
D	Atropine sulfate
E	Pirilenum (Pemridine)
№	krok 2021
Topic	Agents influencing on gastrointestinal tract
Task	A man has acute pancreatitis. What medicines must be prescribed in case, to prevent pancreatic autolysis?
Correct answer	Protease inhibitors
B	Protease activators
C	Amylase
D	Chymotrypsin
E	Trypsin
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	A patient with essential hypertension was prescribed hydrochlorthiazide as a part of complex therapy. What mechanism of drug action facilitates a decrease in blood pressure in this case?
Correct answer	Increased excretion of sodium ions and water
B	Carbonic anhydrase blockade
C	Decreased excretion of sodium ions and water
D	Increased production of angiotensin II
E	Calcium channel blockade
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	A 45-year-old woman has an attack of ciliary arrhythmia. She suffers from stage II essential hypertension. What is the drug of choice for stopping this attack?
Correct answer	Anaprilin (Propranolol)
B	Strophanthin
C	Potassium chloride

D	Sustac forte (Nitriglycerin)
E	Lidocaine
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	A 56-year-old woman with angioneurotic edema was prescribed an H1 blocker with antispasmodic, sedative, and local anesthetic action. Select this H1 blocker from the list:
Correct answer	Dimedrol (Diphenhydramine)
B	Ambroxol
C	Oxoline (Dioxotetrahydroxytetrahydrophthaline)
D	Acyclovir
E	Levodopa
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	An older man with parkinsonism was prescribed a certain drug. Several days later the man developed complaints of dry mouth and rapid heart rate. The prescribed drug is a:
Correct answer	Cholinoblocker
B	Adrenoblocker
C	Dopamine receptor stimulator
D	Cholinomimetic
E	Adrenomimetic
№	krok 2021
Topic	General pharmacology
Task	A patient used an indirect-acting adrenergic agonist to treat rhinitis. After patient has been putting in the nose drops for several days, the vasoconstrictive effect of the drug gradually diminished. Name this phenomenon:
Correct answer	Tachyphylaxis
B	Teratogenicity
C	Cumulation
D	Allergy
E	Idiosyncrasy
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations

Task	After putting in eye drops, man with glaucoma developed miosis and myopia. His intraocular pressure decreased. What drugs can have such effect?
Correct answer	M-cholinomimetics
B	N-cholinomimetics
C	Ganglioblockers
D	Muscarinic receptor antagonists
E	Alpha-adrenomimetics
№	krok 2021
Topic	Pharmacology og acute poisonings
Task	What is used as an antidote for poisoning with salts of heavy metals?
Correct answer	Unithiol (Dimercaptopropansulfonate sodium)
B	Oxygen
C	Sodium sulfate
D	Naloxone
E	Iodine
№	krok 2021
Topic	Drugs acting on cardiovascular system
Task	Against the background of digitoxin treatment, a man has developed bigeminy, severe muscle weakness, diarrhea, vomiting, impaired vision. What medicines can mitigate the signs of poisoning in this case?
Correct answer	Potassium preparations
B	Sodium preparations
C	Calcium preparations
D	Iron preparations
E	Magnesium preparations
№	krok 2021
Topic	Drugs acting on metabolism, blood and immunity
Task	In the hematology unit a patient with leukemia was prescribed 5-fluorouracil. This drug:
Correct answer	Inhibits DNA synthesis
B	Inhibits transcription
C	Inhibits translation
D	Stimulates DNase
E	Catalyzes replication

№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	A patient has elevated blood pressure due to increased vascular tone. To lower the blood pressure, it is necessary to prescribe the blockers of:
Correct answer	α -adrenoreceptors
B	β -adrenoreceptors
C	Histamine H1 receptors
D	α - and β -adrenoreceptors
E	Muscarinic acetylcholine receptors
№	krok 2021
Topic	Antimicrobial agents
Task	A patient with streptococcal infection of the gingiva was prescribed a drug with β -lactam ring in its structure. What drug of those listed below belongs to this pharmacological group?
Correct answer	Benzympenicillin
B	Levomycetin (Chloramphenicol)
C	Erythromycine
D	Streptomycin sulfate
E	Rifampicin
№	krok 2021
Topic	Agents influencing on afferent and efferent innervations
Task	A child with mushroom (fly agaric) poisoning was brought into a toxicology department. What drug should be administrated first as a part of emergency aid?
Correct answer	Atropine
B	Unithiol (Dimercaptopropansulfonate sodium)
C	---
D	Papaverine
E	Naloxone
№	krok 2021
Topic	Antimicrobial agents
Task	When a dentist applied hydrogen peroxide to the patient's oral mucosa, it started frothing excessively. What enzyme breaks down hydrogen peroxide?
Correct answer	Catalase

B	Acetyltransferase
C	Cholinesterase
D	Methemoglobin reductase
E	Glucose-6-phosphate dehydrogenase