

Module 1. Medicinal prescription. General pharmacology. Medicines, which affects the nervous and cardiovascular system.

In the psychiatric hospital patient taken 40 years in a state of agitation, aggression, delusions. What preparation should enter patient?

Aminazin

The infusion of valerian

Seduxen

Reserpine

Sodium bromide

By receiving ward delivered patient with severe symptoms of acute heart failure. What is the drug of the following should be used first?

Corglycon

Digitoxin

Physostigmine

Etazol

Dytylin

Hypertension was prescribed a drug to lower blood pressure group adrenotrophic means. After some time, the patient returned to normal pressure, but developed bradycardia to 50 minutes. And atrioventricular block II degree. What drug was prescribed?

Anaprylin

Mezatona

Verapamil

Clonidine

Prazosin

In patients with chronic heart failure despite therapy with cardiotonic drugs and thiazide diuretynom are stored edema and ascites threatened. What preparation should be to enhance the diuretic effect of the applied drugs?

Spironolactone

Furosemide

Mannitol

Amiloride

Klopamid

The patient had a stroke. Which of the following drugs should be included in adjuvant therapy to improve blood circulation and metabolism of the brain?

Piracetam

Amitriptyline

Seduxen

Phenazepam

Camphor

Patient 40 years for a long time and suffering from bronchial asthma and tachycardia. Enter the most expedient in this situation the drug to eliminate bronchospasm:

Salbutamol

Ephedrine hydrochloride

Adrenaline hydrochloride

Izadryn

Atropine Sulfate

By the cardiology department was hope patient with intense pain that is caused by myocardial infarction. For relief of pain was decided to potentiate the analgesic effect of neuroleptics. Which of these neuroleptics most appropriate in this case?

Droperidol

Sulpiride
Haloperidol
Trifluoperazine
Aminazine

Patient 18 years appealed to the doctor complaining of insomnia, resulting in a heavy sleep. As a result, it is not getting enough sleep and the next day in wakefulness but fatigue is difficult to assimilate course material. The doctor found that insomnia is associated with a state of neurosis. ZRO bit rational choice of sleeping pills:

Nitrazepam
Phenobarbital
Etomidate sodium
Bromisoval
Chloral hydrate

A patient who received a long term prednisone, resulting in cancellation of preparation arose acute disease, lower blood pressure, weakness. Here I can link these manifestations?

The emergence of adrenocortical insufficiency

Sensibilization to the drug

Cumulation drug

Hyperproduction ACTH

Adaptation to the drug

To the intensive care unit was hospitalized with symptoms of acute poisoning morphine. Which tool should be used in this case, gastric lavage?

Potassium permanganate
Boric acid
Sodium bicarbonate
Solution of sodium chloride
Furazolidone

Dentist designated patient preparatory calcium to prevent tooth decay. The doctor knew that the patient suffers from chronic heart failure and takes heart glycosides. What happens as a result of a combination of calcium supplements and cardiac glycosides?

Will increase the activity and toxicity of cardiac glycosides

Drugs do not interact

Accelerate the withdrawal of cardiac glycosides

The slow metabolism of cardiac glycosides

Decrease the activity and toxicity of cardiac glycosides

By the induction center taken ill with complaints of dry mouth, blurred vision and photophobia. Objectively: skin flushed, dry, pupils dilated, and tachycardia. Upon further examination was diagnosed belladonna alkaloids poisoning. Which drug should be used?

Neostigmine
Atropine
Dipyridamol
Pilocarpine
Atropine

Until toxicology department received a patient with symptoms of acute poisoning with mercury compounds. What preparation should be as antidote?

Unitiol
Plantahlyutsyn
Trifluoperazine
Barbitol
Neyromedyn

The patient during endoscopic screening for gastric mucosa revealed several erosions. Which of the following medicines may cause such complications?

- Dyklofenak sodium
- Digoxin
- Famotidine
- Glautsin
- Diazepam

The patient after a brief surgery conducted using dytylinu more than 30 minutes was marked respiratory depression has not recovered the previous muscle tone. What help should be given to the patient?

- Perelivannya blood
- Forsovanyy diuresis
- Peritonealnyy dialysis
- Hemodialysis
- Hemosorbction

Patients with cardiogenic shock, hypotension, dyspnea and edema have introduced non-glikoside cardiotonics. Which drug was administered to the patient?

- Dobutamine
- Caffeine sodium benzoate
- Bemegride
- Etimizol
- Kordiamin

A man with a bout of bronchospasm is necessary to reduce the influence of the vagus nerve on the smooth muscles of the bronchi. What membrane tsitoretseptory appropriate block for this?

- M-cholinergic receptors
- alfa-and beta-adrenergic receptors
- alfa-adrenergic receptors
- beta-adrenergic
- H-cholinergic

Neostigmine 17 by systemic administration increases skeletal muscle tone. Halothane causes relaxation of skeletal muscles and reduces the effects of neostigmine. What is the nature of the interaction of neostigmine and halothane?

- Indirect functional antagonism
- Direct functional antagonism
- Noncompetitive antagonism
- Competitive antagonism
- Independent antagonism

The patient during anesthesia, there were signs of increasing the tone of parasympathetic nervous system: salivation, laryngospasm. The introduction of any drug could prevent unwanted effects?

- Atropine sulfate
- Analgene
- Adrenaline hydrochloride
- Neostigmine methylsulfate
- Piracetam

In the coronary care unit patient is delivered with a diagnosis of acute myocardial infarction. To eliminate pain (neuroleptanalgesia) the patient must enter a combination of drugs:

- Droperidol + fentanyl
- Chlorpromazine + diazepam
- Morphine + atropine
- No-spa + diphenhydramine
- Analgin + pipolfen

The patient went to the doctor with complaints of pain and limitation of movement in the knee joints. Which of the non-steroidal anti-inflammatory drugs is better to appoint, given a history of chronic gastroduodenitis?

Celecoxib

Promedol

Phenylbutazone

Acetylsalicylic acid

Diclofenac -sodium

After 2-3 hours after parenteral administration of the drug, the patient developed coma, there is breathing Cheyne -Stokes type, the pupils narrowed sharply, knee-jerk saved. What drug can cause poisoning?

Morphine

Phenobarbital

Chlorpromazine

Ethanol

Sibazon

Patients with ischemic heart disease and arrhythmias appointed a drug that preferentially blocks the potassium channels, significantly prolongs the action potential. What preparation is appointed?

Amiodarone

Lisinopril

Korglikon

Nitroglycerine

Dobutamine

Patients with gastric ulcer received antacid almagel. For the treatment of acute bronchitis was prescribed an antibiotic metitsiklin. However, within 5 days decreased temperature, cough and sputum character changed. The doctor came to the conclusion about the incompatibility of drugs in their interactions. What type of drug incompatibility is it?

Pharmacokinetic suction step

Pharmacodynamic

Direct antagonism

Pharmaceutical

Pharmacokinetic step biotransformation

Male 65 years old admitted to the neurological department with a diagnosis of post-stroke syndrome. Which drug is most appropriate to assign the patient to speed up recovery?

Galanthamine hydrochloride

Izonitrozin

Dipiroksim

Atseklidin

Ipratropium bromide

For the treatment of chronic heart failure patient takes digoxin. What diuretic can increase digoxin toxicity due to enhanced excretion of ions K^+ ?

Hydrochlorothiazide

Silibor

Lisinopril

Panangin

Spironolactone

Patients with alcoholism alcoholic psychosis began with a pronounced psychomotor agitation. What drug from the group of neuroleptics should be appointed for an ambulance?

Chlorpromazine

Halothane

Reserpine

Diazepam
Sodium Bromide

In the cardiology department enrolled patients with hypertensive crisis, he was an intravenous injection of anti-hypertensive agent-an alkaline earth metal. What preparation is introduced to the patient?

Magnesium sulfate
Sodium bicarbonate
Benzogeksony
Calcium lactate
Potassium chloride

In an emergency hospital hospitalized man 63 years of age with symptoms of collapse. To combat hypotension doctor chose norepinephrine. What is the mechanism of action of this drug?

Activation of alpha1-adrenoceptor
Blockade of M-cholinergic
Activation of beta-blockers
Activation of serotonin receptors
The activation of dopamine receptors

In a patient with myasthenia after the appointment of neostigmine developed nausea, diarrhea, twitching of the muscles of the tongue and skeletal muscles. The more you can eliminate toxicity?

Atropine sulfate
Izadrin
Pyridostigmine bromide
Mezaton
Physostigmine

If poisoning unknown drug in a patient observed dryness of the mouth and dilated pupils. What kind of influence is related effects of this drug?

Blockade of M-cholinergic
Stimulation of M-cholinergic
Adrenoceptor stimulation
Adrenoceptor blockade
Stimulation of the H-cholinergic

Antidepressant pharmacological effects associated with interlock (inhibition) they enzyme that catalyzes the breakdown of biogenic amines such as norepinephrine and serotonin in mitochondria of brain neurons. What enzyme involved in this process?

Monoamine oxidase
Peptidase
Lyase
Transaminase
Decarboxylase

By the coronary care unit admissions with coronary artery disease. To prevent strokes appointed drug from the group of beta-blockers. Name this drug.

Metoprolol
Morphine hydrochloride
Oxytocin
Furosemide
Atropine sulfate

A patient with coronary heart disease, in order to eliminate angina attacks, many times during the day taking a drug that is in the future because of an overdose led to poisoning. OBJECTIVE: cyanosis of the skin and mucous membranes, a sharp drop in blood pressure, tachycardia, respiratory depression. In the blood, elevated methemoglobin. The drug which group took sick?

Organic nitrates
Preparations adenosine series
Calcium channel blockers
Myotropic antispasmodics
Alpha-blockers

Patients after myocardial infarction, assigned aspirin 75 mg daily. What is the purpose assigned to the drug?

Reduced Platelet Aggregation
Lowering the temperature
Reducing pain
Reduction of inflammation
The expansion of the coronary vessels

A patient with a fractured limb is necessary to prescribe a group of depolarizing muscle relaxants type of action for a short surgical procedure. What is this tool?

Ditilin
Pentamin
Atropine sulfate
Tsiton
Tubocurarine chloride

A man 45 years after significant psychological and emotional burden suddenly appeared constricting pain in the heart area radiating to the left arm, neck, under his left shoulder blade. Face was pale, covered with cold sweat. Nitroglycerin eliminated twinge. What process occurred in a patient?

Angina
Psychogenic shock
Insult
Myocardial infarction
Perforation of stomach ulcers

In patient 45, neurosis, manifested irritability, insomnia, anxiety unmotivated. What preparation will eliminate all symptoms?

Diazepam
Caffeine-sodium benzoate
Piracetam
Valerian extract
Levodopa

In patients with syphilis in the treatment of bismuth preparations appear gray spots on the oral mucosa and symptoms of kidney disease. What means should be used in a patient for the treatment of poisoning drugs bismuth?

Unitiol
Methylene blue
Naloxone
Nalorfin
Bemegride

A person is taking medication for a long time, can not abruptly stop using drugs, because while there are violations of mental and physical functions. What is the syndrome of various disorders in case of failure of the drug?

Abstinence
Idiosyncrasy
Sensibilization
Cumulation
Tachyphylaxis

Patients suffering from angina and receiving isosorbide mononitrate, has been appointed as an additional drug with antiplatelet effect. Identify the drug:

- Acetylsalicylic acid
- Nitroglycerine
- Nifedipine
- Inderal
- Validol

Patients with chronic heart failure assigned sredneterapevticheskikh digoxin dose. After 2 weeks after you start taking it showed signs of drug toxicity (bradycardia, extrasystoles, nausea). As is the phenomenon which led to the accumulation of the drug in the body?

- Cumulation
- Tolerance
- Idiosyncrasy
- Tachyphylaxis
- Sensibilization

Patients suffering from chronic heart failure, the doctor recommended a prophylactic cardiac agent from the group of cardiac glycosides, which are taking enteral. What drug was recommended to the patient?

- Digoxin
- Korglikon
- Strofantin
- Kordiamin
- Cordarone

Hospital emergency department brought people with acute morphine poisoning. Which specific antagonist narcotic analgesics must be used in this case?

- Naloxone
- Metacin
- Digoxin
- Paracetamol
- Unitiol

A man of 70 years with a diagnosis of Parkinson's disease, was appointed to the drug levodopa. A week later, the patient's condition improved significantly. What is the mechanism of action of the drug?

- Activation of the dopamine system
- Activation of enkephalin
- Braking histaminergic system
- Inhibition of the serotonin system
- Inhibition of the cholinergic system

Long-term use of certain drugs on the eve of pregnancy increases the risk of having a baby with genetic defects. What is this place?

- Mutagenic effect
- Fetotoxic effects
- Teratogenic
- Embryotoxic effect
- Blastomogenic effect

During the oral and maxillofacial surgery in a hospital, a dentist for sedation and to reduce feelings of fear, as well as potentiation of anesthetic, the patient has appointed a tranquilizer-benzodiazepines. Which of the following means prescribed by a doctor?

- Diazepam
- Chlorpromazine
- Sulpiride
- Atropine sulfate

Droperidol

Patients before surgery was introduced ditilin (listenone) and performed intubation. After the operation, and termination of anesthesia, spontaneous respiration is restored. Deficiency of any enzyme in the body of the patient extends the muscle relaxant?

Pseudocholinesterase

Karbangidraza

Succinate dehydrogenase

K-Na-ATPase

N-acetyl

Maxillofacial ward patient is delivered with a fracture of the mandible. It was decided to hold the connection of bone surgically under general anesthesia. After intravenous injection of a muscle relaxant observed short fibrillar muscle person sick. What a muscle relaxant was used?

Ditilin

Meliktin

Tubocurarine chloride

Diazepam

Pipekuroniyu bromide

The patient, lechivshiysya about neurosis Sibazonum complains of a toothache. Doctor prescribed him pain medication at a dose of less sredneterapevticheskikh. What is the phenomenon took into account the doctor, reducing the dose of the drug?

Potentiation

Drug dependence

Summation

Cumulation

Tolerance

Patients with bronchial asthma has not informed the doctor that he had come angina. Doctor prescribed medication which after taking asthma attacks have become more rare, but more frequent bouts of angina. What drug was appointed?

Izadrin

Fenoterol

Salbutamol

Eufillin

Cromolyn sodium

Patients with chronic heart failure within a few months of taking on an outpatient basis digoxin. At a certain stage of treatment, he developed symptoms of an overdose of the drug. What phenomenon is the basis of this complication?

Material cumulation

Functional cumulation

Adaptation

Sensibilization

Tachyphylaxis

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:

Salbutamol

Adrenalin hydrochloride

Ephedrine hydrochloride

Orciprenaline

Isoprenaline (Isadrinum)

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:

- GABA
- Dopamine
- Serotonin
- Adenosine
- Acetylcholine

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?

- Lisinopril
- Prazosin
- Metoprolol
- Reserpine
- Verapamil

A patient has arterial hypertension. What long-acting calcium channel blocker should be prescribed?

- Amlodipine
- Octadine
- Pyroxanum
- Atenolol
- Reserpine

A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?

- Furosemide
- Triamterene
- Spironolactone
- Hydrochlorothiazide (Dichlothiazidum)
- Acetazolamide (Diacarb)

Local anesthetics (novocaine, lidocaine and others) decreases pain sensitivity of tissues by blocking Na^+ and K^+ ions from permeating membranes of nerve fibers and endings. Such mechanism of drug action is called:

- Membrane ionic
- Receptor
- Enzyme
- Antienzyme
- Direct chemical

A patient complaining of dizziness, thirst, difficult swallowing, and impaired vision of close objects has addressed a doctor. Objectively: respiratory rate is increased, pupils are dilated, general agitation, talkativeness, 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:

- Atropine
- Morphine
- Ephedrine
- Aminazine
- Caffeine

A 36-year-old patient has been administered a depolarizing muscle relaxant during a surgery. Name this drug:

- Dithylinum
- Proserin
- Pipecuronium bromide (Arduan)
- Diazepam
- Aminazine

Monoamine oxidase inhibitors are widely used as psychopharmacological drugs. They change the level of

nearly all neurotransmitters in synapses, with the following neurotransmitter being the exception:

- Acetylcholine
- Noradrenaline
- Adrenaline
- Dopamine
- Serotonin

A patient after disrupted cerebral circulation has developed paralysis. Choose the anticholinesterase drug to be prescribed in this case:

- Proserin
- Cordiamin
- Aceclidine
- Methacin
- Hexamethonium (Benzo hexonium)

A 47-year-old man developed intestinal colic against the background of essential hypertension. In this situation it would be the most efficient to arrest the colic by administering drugs of the following group:

- Myotropic antispasmodics
- Anticholinesterase agents
- Sympathomimetics
- M-cholinomimetics
- Adrenomimetics

Due to severe pain syndrome a patient was prescribed a narcotic analgesic. Name this drug:

- Morphine
- Metamizole (Analgin)
- Nimesulide
- Dimethyl sulfoxide
- Indometacin

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?

- Promedol
- Analgin
- Morphine hydrochloride
- Panadol

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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:

- Promedol
- Nalorphine
- Tramadol
- Ethylmorphine hydrochloride
- Morphine hydrochloride

An alcoholic suffers from alcoholic psychosis with evident psychomotor agitation. What neuroleptic drug should be administered for emergency aid?

- Aminazine
- Diazepam
- Sodium bromide
- Reserpine
- Halothane

A patient with arthritis has been prescribed an anti-inflammatory selective COX-2 inhibitor. Select this drug among those given below:

Celecoxib
Phenylbutazone (Butadion)
Dimethylsulfoxide (Dimexid)
Indometacin
Metamizole (Analgin)

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?

Proserin
Platyphyllin
Cyclodol (Trihexyphenidyl)
Atropine
Dithyline (Suxamethonium chloride)

A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?

Furosemide
Triamterene
Spironolactone
Dichlothiazidum (Hydrochlorothiazide)
Diacarb (Acetazolamide)

During narcosis the patient developed a risk of cerebral edema. What drug should be administered in this case?

Furosemide
Dopamine
Phenazepam
Triamterene
Sodium bromide

A patient complaining of dizziness, thirst, difficult swallowing, and impaired vision of close objects has addressed a doctor. Objectively: respiratory rate is increased, pupils are dilated, general agitation, talkativeness, 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:

Atropine
Morphine
Ephedrine
Aminazine
Caffeine

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?

Unithiol
Nalorphine
Bemegride
Naloxone
Methylene blue

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?

Celecoxib
Prednisolone
Analgin (Metamizole)
Promedol (Trimeperidine)
Paracetamol

The patients with organic brain disorder can take the following drug to improve their memory:

Piracetam
Nitrazepam
Medazepam
Diazepam
Caffeine

Due to blood loss the circulating blood volume of a patient decreased. How will it affect the blood pressure in this patient?

Systolic and diastolic pressure will decrease
Only systolic pressure will decrease
Only diastolic pressure will decrease
Systolic pressure will decrease, while diastolic will increase
Diastolic pressure will decrease, while systolic will increase

A 38-year-old woman developed a bronchial asthma attack. Which of the listed bronchial spasmolytics is effective for emergency aid and belongs to beta-2-adrenergic agonists?

Salbutamol
Adrenaline
Ipratropium bromide
Platyphyllin
Atropine

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?

Digoxin
Papaverine hydrochloride
Mesaton (Phenylephrine)
Cordiamin
Nitroglycerine

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?

Nitrazepam
Phenobarbital
Ethaminal sodium (Pentobarbital)
Barbamylum (Amobarbital)
Chloral hydrate

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?

Cholinesterase inhibitors
Angiotensin-converting-enzyme inhibitors
Calcium channel blockers
Muscarinic antagonists
Muscarinic agonists

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:

Piracetam (Nootropil)
Analgin (Metamizole)
Meridil (Methylphenidate)
Sydnocarb (Mesocarb)
Caffeine

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?

Morphine

Fentanyl

Promedol (Trimeperidine)

Analgin (Metamizole)

Omnopon (Papaveretum)

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?

Cholinesterase inhibitors

Angiotensin-converting-enzyme inhibitors

Muscarinic antagonists

Calcium channel blockers

Muscarinic agonists

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:

alfa-adrenoceptors

beta-adrenoceptors

Histamine H1-receptors

Muscarinic acetylcholine receptors

alfa- and beta-adrenoceptors

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?

Lidocaine

Potassium chloride

Strophanthin

Sustac forte (Nitroglycerin)

Anaprilin (Propranolol)

A patient with arrhythmia was hospitalized into the cardiology unit. What antiarrhythmic drug should be prescribed?

Amiodarone

Furacilin (Nitrofural)

Acetylsalicylic acid

Diclofenac sodium

Drotaverine hydrochloride

A 3-year-old child with elevated body temperature has taken aspirin and developed increased hemolysis of erythrocytes. In this case hemolytic anemia can be caused by congenital deficiency of the following enzyme:

Glucose 6-phosphate dehydrogenase

Gamma-glutamyl transferase

Glycerol- phosphate dehydrogenase

Glycogen phosphorylase

Glucose 6-phosphatase

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?

Stimulation of dopamine production

Inhibition of M2-cholinergic receptors

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Activation of M2-cholinergic receptors

Cholinesterase inhibition

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:

Lidocaine hydrochloride

Cocaine hydrochloride

Dicain (Tetracaine)

Diphenine (Phenytoin)

Anaesthesin (Benzocaine)

A patient with essential hypertension was prescribed a drug that inhibits angiotensin-converting enzyme (ACE). What drug is it?

Lisinopril

Losartan

Colestyramine

Carvedilol

Nifedipine

A patient with ischemic heart disease has increased levels of triglycerides and low-density lipoproteins in his blood plasma. What medicine should he be prescribed?

Fenofibrate

Dobutamine

Famotidine

Lisinopril

Amiodarone

A patient with essential hypertension developed a cough during the systematic treatment with a hypotensive drug. What drug of those listed below can cause such a side effect?

Lisinopril

Dibazol (Bendazol)

Verapamil

Apressin (Hydralazine)

Prazosin

An unconscious patient was brought into the admission room. He presents with cold skin, constricted pupils, difficult respiration with Cheyne-Stokes pattern, low blood pressure, over filled urinary bladder. He was diagnosed with morphine poisoning. What drug should the patient be given as an antagonist in this case?

Naloxone

Cytitone

Bemegride

Sodium thiosulfate

Unithiol

A patient has developed status epilepticus. What medicine should be used in this case to stop the seizures?

Diazepam

Cyclodol (Trihexyphenidyl)

Sodium bromide

Diprazine (Promethazine)

Valerian extract

For the relief of intestinal colic a patient was prescribed atropine sulfate. What disease can be a contraindication for administration of this medicine?

Glaucoma

Hypotension

Bronchial asthma

Headache

Vertigo

A patient with Parkinson's disease made an appointment with the doctor. The doctor prescribed him a medicine that is a dopamine precursor in the central nervous system. What medicine of those listed below has such mechanism of action?

Levodopa

Platyphyllin hydrotartrate

Methacin

Lorazepam

Ipratropium bromide

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:

Tachyphylaxis

Teratogenicity

Allergy

Idiosyncrasy

Cumulation

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:

Dobutamine

Adrenaline

Caffeine

Isadrinum (Isoprenaline)

Euphyllin (Aminophylline)

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. What concomitant disease made it necessary to prescribe her specifically paracetamol?

Peptic ulcer disease of the stomach

Cholecystitis

Nephritis

Atherosclerosis

Rheumatoid arthritis

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 *H. pylori* 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?

Celecoxib

Aspirin

Prednisone

Morphine

Paracetamol

Modul 2. Medicinal products affecting the functions of organs, systems and metabolism. Chemotherapeutic drugs. Antidotes.

Long-term treatment of thyroid hypofunction resulted in malnutrition, dental caries, tachycardia, tremor of the extremities. What drug caused indication side effects?

L-thyroxine

Paratyreoidydn

Humulin

Prednisone

Tyrokaltsytinin

A child 10 years of age suffering from staphylococcal dermatitis. Treatment benzylpenicillin gave no results. Purpose of combined drug penicillin with clavulanic acid gave a quick recovery. What is the reason for the positive effects of this drug?

Inactivation of the beta-lactamase

Inhibition of transpeptidase

Inhibition of adenosine deaminase

Activation of phosphodiesterase

Blockade translokazy

In the surgical ward came ill with symptoms of acute pancreatitis: vomiting, diarrhea, severe shingles pain, weakness, hypotension, dehydration. What drug with activity shown antyfermentnoyu patient?

Contrical

Atropine Sulfate

Sodium bicarbonate

Epinephrine

Analgin

The patient asked the doctor complaining of pustular rash limbs. What antiseptic should be patient?

Alcohol solution of iodine

Insulin

Heparin

Sibazon

Prednisolone

Woman during pregnancy long uncontrollably took chemotherapeutical preparation. After a while, the appetite worsened, nausea and diarrhea appeared. Over time, there was jaundice. In the newborn marked dysplasia. What is the drug of tetracycline took a woman?

Doxycycline hydrochloride

Benzylpenicillin sodium salt

Ciprofloxacin

Biseptol

Azithromycin

With acute rheumatoid arthritis, a patient with a history of chronic gastritis used celecoxib. What caused decrease side effects of the drug on the digestive tract?

The predominant inhibition of cyclooxygenase-2

Perevazhayucha stimulation of adenylyl cyclase

Inhibition of phospholipase A2

Inhibition of phosphodiesterase

The predominant inhibition of cyclooxygenase-1

For obstetrician-gynecologist appealed pregnant woman who was diagnosed with megaloblastic anemia. Which of the following should be?

Cyanocobalamin

Methyluracilum

Streptokinase
Pentoksil
Glautsin

The 12-year-old child intolerance ovarian dy foods. Their use challenges peared allergic reactions as rash on the skin that itch. What antihistamine drug should not interfere with the child's studies at school?

Loratadine
Eufilin
Diclofenac
Diphenhydramine
Ephedrine

The woman that took a long time Antibiotik on intestinal infections developed complications the oral mucosa in the form of inflammation and white plaque, which in the bacteriological study identified yeast fungus *Candida albicans*. What these drugs to treatment of this complication?

Flukonazol
Tetracycline
Polymyxin
Furazolidone
Biseptol

Note the concentration of ethanol, which is most active against \neg microbial action in the presence of protein in the medium higher:

70%
15 %
40 %
60 %
96 %

For the treatment of some infectious diseases by caused by bacteria, deputy sulfa drugs that block the synthesis of bacterial growth factor. What mechanism of action:

There antivitamins para-aminobenzoic acid
There alosterychnymy enzymes
There alosterychnymy ing enzyme inhibitors
Participate in redox processes
Inhibyruyut absorption of folic acid

A patient who received a long term prednisone, resulting in cancellation of preparations arose acute disease, lower blood pressure, weakness. How to connect these manifestations?

The emergence of adrenocortical insufficiency
Sensybilizatsiya to the drug
Kumulyatsiya drug
Hyperproduction ACTH
Zvykannya to the drug

In a sick child gingivitis caused by anaerobic infection. What group of antimicrobial assets need to be treated?

Aminoglycosides
Nitrofurantoin
Polymyxins
Sulfonamide
Nitroimidazole

After examination of patients with urinary stone disease was appointed alopurinol competitive inhibitor of xanthine oxidase. The reason for this was the chemical analysis of kidney stones, the overwhelming part of which are:

Sodium urate

Calcium Phosphate
The calcium oxalate monohydrate
Calcium oxalate dihydrate
Calcium sulfate

To the intensive care unit was hope patient with symptoms of acute poisoning morphine. Which tool should use in this case, gastric lavage?

Potassium permanganate
Boric acid
Sodium bicarbonate
Solution of sodium chloride
Furatsillina

The patient, who was in the hospital about pneumonia complicated by pleural effusion in the adjuvant therapy administered prednisolone. Anti-inflammatory effect of synthetic glucocorticoids is associated with blocking the release of arachidonic acid by inhibition of the ferment:

Fosfolipaza C
Phospholipase A2
Cyclooxygenase
Peroxidase
Lipoxygenase

Was admitted to the maternity ward woman with weakness of labor. Which tool should be used to stimulate uterine contractions?

Oxytocin
Somatostatyn
GnRH
Kortykoliberyn
Vasopressin

The patient was taken to the hospital in a coma. In history-diabetes. Objective: Kusmaulya breathing, lower blood pressure, breath odor of acetone. After the emergency treatment condition improved. What drug was introduced to the patient?

Insulin
Hlibenklamid
Izadryn
Bukarkam
Adrenalin

Patient 60 years for 9 years suffering from diabetes is insulin to correct hyperglycemia-semilente. 10 days ago began treating hypertension Inderal. An hour after taking antihypertensive medication developed hypoglycemic coma. What is the mechanism of hypoglycemia if taking Inderal?

Inhibition of glycogenolysis
Zmenshennya half-life of glucagon
Increase the half-life of insulin-semilente
Increased bioavailability of insulin-semilente
Reduced glucose absorption

Until toxicology department received a patient with symptoms of acute poisoning with mercury compounds. What preparation should be as antidote?

Unitiol
Plantahlyutsyn
Triftazin
Barrol
Neyromedyn

The patient during endoscopic screening for gastric mucosa revealed several erosions. Which of the following medicines may cause such complications?

- Dyklofenak sodium
- Digoxin
- Famotidine
- Glautsin
- Diazepam

Hypertensive patients with salt-free diet and antihypertensive drugs, hydrochlorothiazide took a long time, leading to electrolyte imbalance. What violation of the internal environment arose in this case?

- Gipohloremichesky alkalosis
- Hiperkaliemiya
- Hipermahniemiya
- Metabolic acidosis
- Increased blood volume

Female 45 years old several years suffering from systemic lupus in an easy way. With the progression of the disease (myocarditis was) she prescribed prednisone as immunosuppressive agents. After 2 months of admission, the patient appeared stomach bleeding. What is the most likely cause of it?

- Ulcerogenic action
- Zmenshennya clotting
- Increase in blood pressure
- Excitation of central nervous system
- Further progression of the disease

As a result of substandard food poisoning sick stomach was washed with a solution of potassium permanganate? What is the mechanism of action of this remedy?

- The release of atomic oxygen
- Vyvilnennya chlorine
- Violation of bacterial membranes
- The release of iodine
- Violation of the synthesis of enzymes of the respiratory chain

A man with a bout of bronchospasm is necessary to reduce the influence of the vagus nerve on the smooth muscles of the bronchi. What membrane tsitoreseptory appropriate block for this?

- M-cholinergic receptors
- Alpha-and beta-adrenergic receptors
- Beta-adrenergic receptors
- Alpha-adrenergic
- H-cholinergic

The secretion of pituitary hormones are inhibited after taking oral contraceptives containing hormones?

- Gonadotrophic
- Vasopressin
- STH
- Thyrotropic
- Oxytocin

Patients after appendectomy to prevent infection appointed cephalosporin antibiotic. Violation of any of the process is the basis of the antimicrobial activity of antibiotics of this group?

- Education microbial wall
- The blockade of cholinesterase
- Synthesis of nucleic acids
- Energy metabolism
- Ribosomal protein synthesis

The patient went to the doctor with complaints of pain and limitation of movement in the knee joints. Which of the non-steroidal anti-inflammatory drugs is better to appoint, given a history of chronic gastroduodenitis?

Celecoxib

Promedol

Phenylbutazone

Acetylsalicylic acid

Diclofenac-sodium

Patients with acute myocardial infarction in the treatment of heparin was appointed. A short time after the introduction of the drug appeared hematuria. What a heparin antagonist to enter the patient to eliminate this complication?

Protamine sulfate

Fibrinogen

Vikasol

Neodikumarina

Aminocaproic acid

The patient went to the doctor with complaints of epigastric discomfort, nausea, loss of appetite. In the study of duodenal contents were found giardia. What medication should be appointed?

Metronidazole

Isoniazid

Rifampicin

Acyclovir

Hingamin

Patients with gastric ulcer received antacid almagel. For the treatment of acute bronchitis was prescribed an antibiotic metitsiklin. However, within 5 days decreased temperature, cough and sputum character changed. The doctor came to the conclusion about the incompatibility of drugs in their interactions. What type of drug incompatibility is it?

Pharmacokinetic suction step

Pharmacodynamic

Direct antagonism

Pharmaceutical

Pharmacokinetic step biotransformation

A child 5 years nizhnedolevaya acute right-sided pneumonia. When sowing sputum revealed that pathogen is resistant to penicillin, but sensitive to macrolides. Which drug is most appropriate to use in this case?

Azithromycin

Ampicillin

Streptomycin

Tetracycline

Gentamicin

In order to accelerate the healing of radiation ulcers was appointed a vitamin preparation. Describe it:

Retinol acetate

Levamisole

Prednisolone

Metiluratsil

Retabolil

The drug has a devastating effect on the erythrocytic forms of malaria parasites, dysentery amoeba. It is used for the treatment and prevention of malaria, treatment of amoebiasis and connective tissue. Identify the drug:

Hingamin

Tetracycline

Quinine

Emetine hydrochloride

Erythromycin

Patients for the treatment of allergic cheilitis appointed loratadine. What is the mechanism of action of this drug?

Blocks the activity of histamine H1-receptor

Inhibits the activity of Na, K-ATPase

Blocks adrenergic receptors

Increases the activity of monoamine oxidase

Inhibits the activity of cholinesterase

A patient diagnosed diabetic coma. The concentration of sugar in the blood is 18.44 mg / l. What kind of sugar-reducing drugs should assign to the patient?

Short-acting insulin

Intermediate-acting insulin

The preparation of the biguanide group

Preparation from the group consisting of sulfonylurea derivatives

Long-acting insulin

Hospital admissions with a diagnosis of peptic ulcer, 12 duodenal ulcer in acute, peptic ulcer bulbs 12 duodenal ulcer. The analysis showed an increased gastric secretion and acid-forming functions of the stomach. Choose a drug that lowers the secretory function of the gastric glands by blocking H2-receptor:

Famotidine

Atropine sulfate

Dry extract of belladonna

Metacin

Platifillin

In the cardiology department enrolled patients with hypertensive crisis, he was an intravenous injection of anti-hypertensive agent-an alkaline earth metal. What preparation is introduced to the patient?

Magnesium sulfate

Sodium bicarbonate

Benzogeksony

Calcium lactate

Potassium chloride

In preparation for the removal of a tooth dentist advised the patient to take the drug prophylaxis of bleeding. Which means it was recommended?

Vikasol

Diphenhydramine

Heparin

Magnesium sulfate

Asparkam

Patients 63 years of age suffers from diabetes type 2, which is accompanied by obesity, atherosclerosis, and coronary heart disease. At the same time revealed basal hyperinsulinemia. Suggest patient adequate treatment.

Glibenclamide

Insulin

Retabolil

Amlodipine

Lovastatin

The young man 16 years have seen a deterioration of twilight. What kind of vitamins should be given to patients?

Retinol acetate

Pyridoxine

Nicotinic acid

Ascorbic acid
Cyanocobalamin

A patient suffering from chronic bronchitis, taking synthetic mucolytic drug that helps to liquefy phlegm. Name this drug.

Acetylcysteine
Heparin
Diazepam
Furosemide
Enalapril

For the treatment of bacterial pneumonia was appointed penicillin sodium salt. What is the mechanism of antimicrobial action of the drug?

Inhibition of the synthesis of the cell wall of microorganisms
Inhibition of intracellular protein synthesis
Inhibition of cholinesterase activity
Inhibition of SH-groups of enzymes of microorganisms
Antagonism with parabens

A patient with coronary heart disease, in order to eliminate angina attacks, many times during the day taking a drug that is in the future because of an overdose led to poisoning. OBJECTIVE: cyanosis of the skin and mucous membranes, a sharp drop in blood pressure, tachycardia, respiratory depression. In the blood, elevated methemoglobin. The drug which group took sick?

Organic nitrates
Preparations adenosine series
Calcium channel blockers
Myotropic antispasmodics
Alpha-blockers

Cancer patient was assigned the drug methotrexate, which eventually target cell tumors have lost sensitivity. Expression of the gene for the enzyme that this change?

Dihydrofolate
Timinaza
Folatoksidaza
Deaminase
Folatdekarboksilaza

Patients after myocardial infarction, assigned aspirin 75 mg daily. What is the purpose assigned to the drug?

Reduced Platelet Aggregation
Lowering the temperature
Reducing pain
Reduction of inflammation
The expansion of the coronary vessels

The young man 18 years old went to the doctor to appoint an agent for the treatment of allergic rhinitis, which came to him during the flowering limes. Which means you can apply?

Loratadine
Noradrenaline tartrate
Ambroxol
Losartan
Inderal

In order to prevent graft rejection after organ transplantation is mandatory holding of hormone therapy to immunosuppression. What hormones are used for this purpose?

Glucocorticoids
Thyroid

Catecholamines
Mineralocorticoid
Sex hormones

Patient 37-consecutive years as a result of prolonged antibiotic therapy developed intestinal dysbiosis. What type of drugs to be used for normalization of the intestinal microflora?

Eubiotics
Vitamins
Sulfonamides
Corresponding vaccine
Bacteriophages

A patient with chronic gastritis giperatsidnym to eliminate heartburn applies antacid, after which the improvement in reception, but at the same time a feeling of fullness in the stomach. Which of the drugs could cause these side effects?

Sodium bicarbonate
Magnesium oxide
Pepsin
Magnesium trisilicate
Aluminum hydroxide

In patients with syphilis in the treatment of bismuth preparations appear gray spots on the oral mucosa and symptoms of kidney disease. What means should be used in a patient for the treatment of poisoning drugs bismuth?

Unitiol
Methylene blue
Naloxone
Nalorfin
Bemegride

With long-term use of the drug in a patient having osteoporosis, erosion of the gastric mucosa, hypokalemia, sodium and water retention in the body, reducing the content of corticotropin levels. Indicate the drug.

Prednisolone
Reserpine
Indomethacin
Digoxin
Gipotiazid

Patient appealed to the dentist complaining of a purulent inflammation of the gums. Which drug will be most effective if it is supposed anaerobic nature of the pathogen?

Metronidazole
Co-trimoxazole
Oxacillin sodium
Nitroksolin
Gentamicin

A patient with infectious mononucleosis in two weeks took glucocorticosteroid medications. Remission, but he had the exacerbation of chronic tonsillitis. The result of any action of glucocorticoids is this complication?

The immunosuppressive
Protivoshokovoe
The anti-inflammatory
Antitoxic
Antiallergic

Patients with gastric ulcer as a causal treatment to prescribe, depressing growth and reproduction of H.pylori. Name this product:

Heparin
Korglikon
Glauvent
Metronidazole
Furosemide

Patients with essential hypertension doctor suggested remedy that stops blood clots, administered parenterally. Select this tool:

Heparin
Ambion
Protamine sulfate
Sinkumar
Neodikumarina

In a study of patients 70 years of age is found non-insulin dependent diabetes mellitus. What preparation is appropriate to have the patient?

Glibenclamide
Merkazolil
Cortisone
Parathyroidin
Insulin

Go to the dentist asked the child's mother of 2 years, which during pregnancy, due to an infection, took antibiotics haphazardly. On examination, the baby is the destruction of incisors, the enamel of the teeth yellow at the neck of the teeth brown border. What kind of drugs is known for its teratogenic effect?

Doksatsiklina hydrochloride
Ksantinola nikotinat
Oktadin
Ampioks
Furosemide

Hospital emergency department brought people with acute morphine poisoning. Which specific antagonist narcotic analgesics must be used in this case?

Naloxone
Metacin
Digoxin
Paracetamol
Unitiol

A woman of 19 years who is sick of primary syphilis, assigned combination therapy, which includes penicillin sodium salt. Specify the mechanism of action of this drug:

Petdidoglikanov blockade of the synthesis of microbial membranes
The blockade of the synthesis of cytoplasmic proteins
The blockade of DNA synthesis
The blockade of the thiol groups of enzymes
The blockade of RNA synthesis

The patient collagenosis after long-term use of prednisone appeared spastic pain of skeletal muscle due to the development of hypokalemia. What medication should be used for the correction of the exchange of potassium?

Panangin
Ditilin
Nospanum
Diazepam
Thyrocalcitonin

The patient 35 years of age, often drink alcohol during treatment with diuretics, having a strong heart and

muscle weakness, vomiting, diarrhea, blood pressure, 100/60 mm Hg, and depression. The reason for this condition is the increased urinary excretion of:

- Potassium
- Calcium
- Sodium
- Phosphates
- Chlorine

The patient was diagnosed-an active focal tuberculosis of the lungs. Indicate which of the drugs most appropriate to have in the first place?

- Isoniazid
- Ethionamide
- Ethoxide
- Cycloserine
- Sulfalen

In allergic dermatitis doctor prescribed to the patient in the complex therapy of H1-histamine blockers. Identify the drug:

- Loratadine
- Prednisolone
- Cromolyn sodium
- Hydrocortisone
- Adrenaline

Patients with severe postoperative Pseudomonas infection. Which of the following antibiotics is shown to the patient?

- Amikacin sulfate
- Cefazolin
- Doxycycline
- Erythromycin
- Penicillin

Patients with bronchial asthma has not informed the doctor that he had come angina. Doctor prescribed medication which after taking asthma attacks have become more rare, but more frequent bouts of angina. What drug was appointed?

- Iizadrin
- Fenoterol
- Ssalbutamol
- Eufillin
- Cromolyn sodium

Liquidator accident at the plant, which received irradiation, began to disturb vomiting that occurs unexpectedly. What medication should be assigned to the patient?

- Metoclopramide
- Atropine
- De-Nol
- Aeron
- Reserpine

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:

- Loratadine
- Pipolphen
- Chloropyramine (Suprastin)
- Indometacin
- Erythromycin

A 26-year-old woman with bronchitis has been administered a broad spectrum antibiotic as a causal treatment drug. Specify this drug:

Doxycycline
Interferon
BCG vaccine
Ambroxol
Dexamethasone

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?

Protamine sulfate
Vicasol
Aminocaproic acid
Neodicoumarin
Fibrinogen

A patient has been diagnosed with gonorrhea. As fluoroquinolones are the drugs of choice for treatment of gonorrhea the patient should be prescribed:

Ciprofloxacin
Furazolidone
Fluorouracil
Sulfacarbamide (Urosulfanum)
Cefazolin

Name the halogen-containing antiseptic with fungicidal properties, which is used to treat dermatomycosis:

Iodine solution
Formalin solution
Methylene blue
Brilliant green
Boric acid solution

After an extended treatment with sulfanamides a patient has developed macrocytic anemia. Production of active forms of the following vitamin is disrupted in such a condition:

Folic acid
Thiamine
Riboflavin
Pyridoxine
Cyanocobalamin

A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?

Furosemide
Triamterene
Spironolactone
Hydrochlorothiazide (Dichlothiazidum)
Acetazolamide (Diacarb)

Administration of doxycycline hydrochloride has caused an imbalance of the symbiotic intestinal microflora. Specify the kind of imbalance caused by the antibiotic therapy:

Dysbacteriosis
Sensibilization
Idiosyncrasy
Superimposed infection
Bacteriosis

What drug will be the most appropriate for a patient suffering from chronic gastritis with increased secretion?

Pirenzepine
Pancreatine
Pepsin
Aprotinin
Chlorphentermine

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?

Rapid-acting insulin
Intermediate-acting insulin
Long-acting insulin
Biguanide
Sulfonylurea derivative

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?

Insulin
Adrenaline
Isadrinum
Glibenclamide
Furosemide

A patient with arthritis has been prescribed an anti-inflammatory selective COX-2 inhibitor. Select this drug among those given below:

Celecoxib
Phenylbutazone (Butadion)
Dimethylsulfoxide (Dimexid)
Indometacin
Metamizole (Analgin)

A 26-year-old woman with bronchitis has been administered a broad spectrum antibiotic as a causal treatment drug. Specify this drug:

Doxycycline
Interferon
BCG vaccine
Ambroxol
Dexamethasone

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:

Penicillin G Sodium Salt
Bijochinol (Quinine bismuth iodide)
Ciprofloxacin
Azithromycin
Streptomycin

A patient with pulmonary tuberculosis is prescribed the most effective antituberculous antibiotic. Name this drug:

Rifampicin
Tetracycline
Streptocide
Ciprofloxacin
Dexamethasone

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:

Prednisolone

Hydrochlorothiazide

Digoxin

Indometacin

-

A patient suffers from acute cardiopulmonary failure with pulmonary edema. What diuretic should be prescribed in the given case?

Furosemide

Triamterene

Spironolactone

Dichlothiazidum (Hydrochlorothiazide)

Diacarb (Acetazolamide)

During narcosis the patient developed a risk of cerebral edema. What drug should be administered in this case?

Furosemide

Dopamine

Phenazepam

Triamterene

Sodium bromide

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?

Histamine H₂-receptor antagonists

Calcium channel blockers

Nonsteroidal antiinflammatory drugs

Steroidal antiinflammatory drugs

Histamine H₁-receptor antagonists

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?

Unithiol

Nalorphine

Bemegride

Naloxone

Methylene blue

A patient with chronic bronchitis was prescribed a drug with mucolytic action. Name this drug:

Ambroxol

Anaprilin (Propranolol)

Atropine sulfate

Magnesium sulfate

Paracetamol

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?

Celecoxib

Prednisolone

Analgin (Metamizole)

Promedol (Trimeperidine)

Paracetamol

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?

Vicasol (Menadione)

Thrombin

Aminocaproic acid

Phenylin (Phenindione)

Contrykal (Aprotinin)

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:

Loratadine

Dimedrol (Diphenhydramine)

Diprazine (Promethazine)

Suprastin (Chloropyramine)

Tavegil (Clemastine)

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?

Rapid-acting insulin

Intermediate-acting insulin

Long-acting insulin

Biguanide

Sulfonylurea derivative

In preparation for business trip abroad the doctor was prescribed a histoschizontocidal antimalarial drug as a personal means of disease prevention. What drug was given to the doctor?

Chingamin

Biseptol (Co-trimoxazole)

Doxycycline

Mefloquine

Quinine

A patient suffering from gout was prescribed allopurinol. What pharmacological property of allopurinol provides therapeutic effect in this case?

Competitive inhibition of xanthine oxidase

Acceleration of nitrogen-containing substances excretion

Acceleration of pyrimidine nucleotides catabolism

Deceleration of pyrimidine nucleotides salvage

Acceleration of nucleic acids synthesis

A patient with pulmonary tuberculosis is prescribed the most effective antituberculous antibiotic. Name this drug:

Rifampicin

Tetracycline

Streptocide

Furasolidone

Bactrim (Co-trimoxazole)

A 38-year-old woman developed a bronchial asthma attack. Which of the listed bronchial spasmolytics is effective for emergency aid and belongs to beta-2-adrenergic agonists?

Salbutamol

Adrenaline

Ipratropium bromide

Platyphyllin

Atropine

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:

- Potassium permanganate
- Chlorhexidine digluconate
- Sodium bicarbonate
- Hydrogen peroxide
- Ethyl alcohol

In the hematology unit a patient with leukemia was prescribed 5-Fluorouracil. This drug:

- Inhibits DNA synthesis
- Catalyzes replication
- Inhibits transcription
- Inhibits translation
- Stimulates DNase

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?

- Ciprofloxacin
- Bicillin-5
- Benzylpenicillin
- Erythromycin
- Phenoxymethylpenicillin

Patients with ischemic heart disease are usually prescribed small doses of aspirin. This drug inhibits synthesis of platelet aggregation activator, thromboxane A₂. What substance is this activator synthesized from?

- Arachidonic acid
- Glutamic acid
- Acetic acid
- Malonic acid
- Homogentisic acid

The Gerontology Institute recommends older people to take vitamin complexes that contain vitamin E. What is the main function of this vitamin?

- Antioxidant
- Antineuritic
- Antidermatitic
- Antiscorbutic
- Antihemorrhagic

A 39-year-old man presents with hyperkeratosis, disturbed twilight vision, and high risk of infectious processes. What vitamin preparation should he be prescribed?

- Retinol acetate
- Ergocalciferol
- Riboflavin
- Tocopherol acetate
- Pyridoxine hydrochloride

Before a surgery the patient was prescribed a synthetic antiprotozoal drug for prevention of wound infection. The prescribed drug is highly effective against *Helicobacter pylori*. Name this drug:

- Metronidazole
- Aciclovir
- Isoniazid
- Doxycycline hydrochloride
- Chingamin (Chloroquine)

A 40-year-old man with pulmonary tuberculosis was prescribed isoniazid. Prolonged use of this drug can result in development of the following vitamin deficiency:

- Pyridoxine
- Thiamine
- Biotin
- Folic acid
- Cobalamin

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?

- Prednisolone
- Beclometasone
- Butadion (Phenylbutazone)
- Synaflan (Fluocinolone acetonide)
- Indometacin

A patient with diabetes mellitus and allergic dermatitis was prescribed a certain fluorinated hormone drug in the ointment dosage form. When the patient asked, how this drug was better than the hydrocortisone ointment, the doctor explained that the prescribed medicine:

- Had practically no resorptive effect
- Had short-term action
- Increased insulin synthesis
- Was less potent
- Was cheaper

A patient with streptococcal infection of the gingiva was prescribed a drug with beta-lactam ring in its structure. What drug of those listed below belongs to this pharmacological group?

- Benzylpenicillin
- Levomycetin (Chloramphenicol)
- Erythromycin
- Streptomycin sulfate
- Rifampicin

A patient with peptic ulcer disease was prescribed famotidine. As a result his gastric juice acidity significantly decreased. What is the mechanism of action of this drug?

- Histamine H₂ receptor blockade
- Blockade of histamine receptors in the sympathetic ganglia
- Muscarinic M₁ receptor blockade
- Inhibition of H⁺, K⁺-ATPase activity
- Histamine H₁ receptor blockade

A woman with allergic neurodermatitis was prescribed a second-generation antihistamine without depressing effect on the CNS. Name this drug:

- Loratadine
- Diazolin (Mebhydrolin)
- Dimedrol (Diphenhydramine)
- Ketotifen
- Tavegil (Clemastine)

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?

- Acquired tolerance
- Material cumulation
- Drug dependence
- Functional cumulation

Sensitization

A 56-year-old man presents for a checkup. The patient says he has to urinate quite frequently, but denies any dysuria or pain on urination. Past medical history is significant for diabetes mellitus type 2 and hypertension, both managed medically. Current medications are metformin, aspirin, rosuvastatin, captopril and furosemide. Laboratory findings are significant for the following: Glycated Hemoglobin (Hb A1c) - 8.0%, Fasting Blood Glucose - 12 mmol / L. His doctor decides to add glibenclamide to the therapy. Which of the following is the most likely mechanism of this drug's action?

Stimulates of glucose reuptake by the cells

Inhibition of insulin release

-

Stimulation of insulin release

Facilitation of glucose absorption in the intestine

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 *H. pylori* 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?

Celecoxib

Aspirin

Prednisone

Morphine

Paracetamol

One of the causes of pernicious anemia is the disturbed synthesis of transcobalamin - Castle's intrinsic factor - in the parietal cells of the stomach. What substance is called Castle's extrinsic factor?

Cobalamin

Folic acid

Biotin

Riboflavin

Pyridoxine

A 26-year-old woman was brought into the maternity department. Considering the term of her pregnancy (40 weeks), she should have gone into labor already. Examination determined that the uterine cervix is open but uterine contractions are absent. The doctor gave her a hormone drug for intensification of labor activity. Name this drug:

Oxytocin

Hydrocortisone

Estrone

Adrenocorticotrophic hormone

Testosterone

A certain vitamin is a component of glutamic acid decarboxylase as a coenzyme, takes part in the formation of gamma-aminobutyric acid, and its deficiency manifests as convulsions. Name this vitamin:

Pyridoxine

Cobalamin

Tocopherol

Ascorbic acid

Folic acid

A nurse mistakenly gave nearly a double dose of insulin to a patient with diabetes mellitus, which caused hypoglycemic coma in the patient. What medicine should be administered to bring the patient out of the coma?

Glucose

Lidase

Somatotropin

Noradrenaline
Insulin

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:

Pyridoxine
Folic acid
Thiamine
Biotin
Cobalamin

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

Acetylcysteine
Valerian tincture
Prednisolone
Cholosas
Morphine hydrochloride

A patient with essential hypertension was prescribed hydrochlorothiazide as a part of complex therapy. What mechanism of drug action facilitates a decrease in blood pressure in this case?

Increased excretion of sodium ions and water
Increased production of angiotensin II
Calcium channel blockade
Carbonic anhydrase blockade
Decreased excretion of sodium ions and water

A 65-year-old woman against the background of chronic heart failure developed secondary hyperaldosteronism. What medicine should be prescribed to increase the patient's diuresis?

Spironolactone
Clopamide
Dichlothiazide (Hydrochlorothiazide)
Furosemide
Orthosiphon grass

A patient with essential hypertension, who is taking hydrothiazide (hydrochlorothiazide) treatment, complains of general weakness, loss of appetite, and palpitations. He has muscle hypotonia, flaccid paralyses, and decreased intestinal peristalsis. What can be the cause of this condition?

Hypokalemia
Hyperkalemia
Hypercalcemia
Hyperuricemia
Hyponatremia

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 IV have a brown border at their cervixes. 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 the mother?

Tetracyclines
Aminoglycosides
Penicillins
Macrolides
Cephalosporins