

**The Ministry of Health of Ukraine**  
**National Pirogov Memorial Medical University, Vinnytsya**  
**The direction – 1201 “Medicine”**  
**Specialty – 7.12010001 “General Medicine”**

«Considered»

on the methodical council of  
therapeutic disciplines

Protocol № 4 from 21.01.2020

Chairman \_\_\_\_\_

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**Instruction to the station № 4**  
**" Prescribe recipes"**

At the station, the student must greet and introduce himself, present a student identification card and a route sheet to the teacher.

Receives the clinical task and protocol in the form of two prescription forms. He reads a clinical task, prescribes recipes in Latin based on the official pharmacopoeia requirements of the clinical situation, it is necessary to name the main side effects of the specified pharmacological group. After completing the assignment or ending the time at the station, return the task to the teacher, pick up your route card with a mark on the station and leave the station.

**NB! The student should be guided by drug groups and their representatives.**

**List of situations:**

- acute coronary syndrome with ST segment elevation
- arterial hypertension,
- Atrial fibrillation (permanent form),
- ventricular extrasystole
- atherosclerosis
- chronic heart failure
- peptic ulcer,
- chronic pancreatitis,
- liver cirrhosis,
- chronic noncalculous cholecystitis,
- B12 (folic acid deficiency) anemia,
- thrombocytopenic purpura,
- pneumonia of different clinical groups,
- bronchial asthma,
- chronic obstructive pulmonary disease,
- rheumatoid arthritis,
- gout,

- chronic glomerulonephritis,
- Ascariasis
- recurrent oral-labial herpes,
- infiltrative tuberculosis
- Type 2 diabetes

## Adverse reactions

Group of drugs	Side effect
Dihydropyridine calcium antagonists	Headache, tachycardia, edema, diarrhea, burning sensation in the face
β-blockers	Bradycardia, cardiac conduction disorders, bronchospasm, nausea
Macrolides	Abdominal pain, diarrhea, nausea, vomiting, taste distortion
Proton pump inhibitors	Headache, abdominal pain, constipation, diarrhea, flatulence, nausea / vomiting
Group B vitamins	Hypercoagulation, tachycardia, headache, heart pain
Penicillin group of drugs	Candidiasis of skin and mucous membranes, eosinophilia, anaphylactic shock, diarrhea, nausea
Short-acting beta-2 agonists	Tremor, headache, tachycardia, increased BP
Leukotriene receptor antagonists	Headache, abdominal pain, diarrhea, anaphylaxis, mental disorders
Non-steroidal anti-inflammatory drugs (NSAIDs)	Ulcerative action (gastrointestinal ulceration), NSAIDs-gastropathy, hepatotoxicity, nephrotoxicity, anaphylactic reaction, bronchospasm
Drugs that inhibit uric acid synthesis	Reactive attacks of gout, thrombocytopenia, agranulocytosis, aplastic anemia, impaired liver function
Low molecular weight heparins	Nasal and gastrointestinal bleeding, hematomas, hematuria, elevation of liver enzymes, thrombocytopenia
Direct-acting antivirals drugs	Anemia, thrombocytopenia, anaphylaxis, mental disorders, shortness of breath, nausea
Rifampicin	Hepatotoxicity, nephrotoxicity, thrombocytopenia, dyspeptic disorders, allergic reactions
Biguanides	Nausea, vomiting, diarrhea, abdominal pain, lack of appetite
Cephalosporins	Eosinophilia, leukopenia, thrombocytopenia, diarrhea, rash, liver enzymes increasing
Systemic corticosteroids	Reduced resistance to infections, arterial hypertension, edema, hyperglycemia, insomnia, menstrual disorders, Cushing's syndrome, osteoporosis, ulcerations of gastrointestinal mucosa
Loop diuretics	Hypokalemia, hypocalcemia, hypovolemia, dehydration and tendency to thrombosis, hypotension
Anticholinergics	Urticaria, angioneurotic edema, anaphylactic reaction
Vitamin B12	Allergic reactions, hypercoagulation, tachycardia, skin rash
Fibrinolysis inhibitors	Reduced appetite, heartburn, vomiting, diarrhea, sleepiness, impaired color vision
Antimetabolites – Folic acid antagonists	Leukopenia, anemia, thrombocytopenia, disorders of oogenesis, disorders of spermatogenesis, ulcerative stomatitis, anorexia, nausea
Aminoquinoline derivatives	Nausea, vomiting, anorexia, photophobia, photosensitization, anemia, thrombocytopenia, leukopenia
Thiazide-like diuretics	Hypokalemia, hyponatremia, hypochloremia, metabolic alkalosis, hypotension, paresthesias, muscle weakness

Antiplatelet drugs	Gastrointestinal bleeding, stomach pain, diarrhea, heartburn, thrombocytopenia, agranulocytosis, bronchospasm, anaphylactic reactions
ACE inhibitors	Hyperkalemia, hypotension, dry cough, skin rash, angioneurotic edema
Nitrates	Headache, arterial hypotension, tachycardia, dizziness, increased intraocular pressure

**List  
of pharmacological preparations for the state examination in internal medicine,  
phthiology, occupational and infectious diseases**

№	Pharmacological name	Release form, Dose, Frequency
<b>Cardiology</b>		
1	Ramiprilum	tab. 0,01 PO QD
2	Perindoprilum	tab. 0,004 PO QD
3	Lisinoprilum	tab. 0,01 PO QD
4	Carvedilolum	tab. 0,00625 PO BID
5	Bisoprololum	tab. 0,005 PO QD
6	Amyodaronum	tab. 0,2 PO TID
7	Valsartanum	tab. 0,16 PO QD
8	Amlodipinum	tab. 0,005 PO QD in the evening
9	Verapamilum	tab. 0,04 PO BID
10	Atorvastatinum	tab. 0,02 PO controlled by LDL
11	Furosemidum	tab. 0,04 PO QD in the morning
12	Torasemidum	tab. 0,01 PO QD in the morning
13	Spirolactonum	tab. 0,025 PO QD
14	Acidum acetylsalicylicum	tab. 0.075 once, 4 tab. sublingual (in ACS), then 1 tab. at night after meals
15	Clopidogrelum	tab. 0.075 once, 4 tab. sublingual (in ACS), then 1 tab. at night after meals
16	Rivaroxabanum	tab. 0,02 PO QD, a course of 12 months
17	Warfarinum	tab. 0,0025 PO QD
<b>Pulmonology</b>		
18	Amoxicillinum/acidum clavulanicum	fl. 1.0/0.2 IV infusion every 8 hours, after allergy test, course of 7 days
19	Amoxicillinum	tab. 1.0 OP BID course of 10 days
20	Ceftriaxonum	fl. 1.0 IV infusion 2.0 g QD
21	Azithromycinum	tab. 0,5 PO QD course of 3 days
22	Salmeterolum/ Fluticasonum	aerosol for inhalations of 0.000025/0.000125/dose (120 doses). Inhale 2 doses BID.
23	Phormoterolum/ Budesonidum	powder for inhalation 0.0000045/0.00016/dose, (60 doses) Inhale 1 inh. BID
24	Montelukastum	tab. 0,01 PO QD in the evening
<b>Rheumatology</b>		
25	Methotrexatum	tab. 0,0025 PO every week
26	Prednisolonum	tab. 0,005 PO 2tab. QD in the morning
27	Diclofenacum natrium	tab. 0,025 PO TID after meals
28	Nimesulidum	tab 0.1 PO BID after meals

29	Allopurinolum	tab. 0,1 PO QD
<b>Gastroenterology</b>		
30	Lansoprasolum	caps. 0,03 PO QD in the morning, 30 minutes before breakfast
31	Pantoprazolum	tab. 0,04 PO QD in the morning, 30 minutes before breakfast
32	Mebeverinum	caps. 0,2 PO BID
33	Pancreatinum	tab. 20 000 OD PO TID with food
34	Amoxicillinum	tab. 1,0 PO BID
35	Clarithromycinum	tab. 0,5 PO BID
<b>Nephrology</b>		
36	Dipyridamolum	tab. 0,025 PO 2 tab. TID
37	Enoxaparini sodium	0,4 ml SC BID
<b>Hematology</b>		
38	Cyanocobolaminum	amp. 0,05 % 1 ml IM QD 10 days
39	Acidum Folicum	tab. 0,005 PO QD
<b>Endocrinology</b>		
40	Metforminum	tab. 0,5 PO BID during meal
41	Mercazolilum	tab. 0,005 PO 2 tab. TID
<b>Infectious diseases</b>		
42	Aciclovirum	tab. 0,2 PO 5 times a day, a course 7 days
43	Albendazolum	tab. 0,4 PO QD once
<b>Phthisiology</b>		
44	Isoniazidum	tab. 0,3 PO QD in a dose of 5 mg/kg body weight, course of 2 months.
45	Pirazinamidum	tab. 0,5 PO TID in a dose of 25 – 30 mg/kg body weight, course of 2 months.