

**Assessment tools for certification  
in the discipline " Internal diseases"  
for students of the educational program  
Specialist  
in the specialty of training 31.05.03 Dentistry,  
direction (profile) Dentistry,  
form of study Full-time form  
for the 2023-2024 academic year**

Intermediate certification is carried out in the form of an exam.

Intermediate certification includes the following types of tasks: testing, solving a situational problem, interview.

1. Examples of test tasks

Verifiable indicators of achievement of competence: GPC-5.1.1., GPC-5.1.2., GPC-6.1.1., GPC-6.1.2., GPC-9.2.1., GPC-13.1.2.

1. A 55-year-old patient has lagging of the right half of the chest during breathing, dullness below the level of the 3rd rib, weakened breathing and bronchophony in the same place. X-ray - displacement of the heart to the left. Probable diagnosis:

- a) exudative pleurisy
- b) lobar pneumonia
- c) atelectasis
- d) pneumocirrhosis
- e) pneumothorax

2. The leading pathogenetic factor in the development of diffuse toxic goiter is

- a) iodine deficiency in the body
- b) increased secretion of TSH
- c) increased sympathetic activity against the background of stress
- d) the formation of antibodies to thyroglobulin
- e) TSH-like action of antibodies to TSH receptors

3. Diabetic polyneuropathy is characterized by the presence

- a) plantar ulcer
- b) lipoid necrobiosis
- c) Charcot joint
- d) orthostatic hypotension
- e) impotence

4. Sudden coronary death is called

- a) death due to acute myocardial infarction
- b) death for no apparent reason within 1 hour of the onset of adverse symptoms
- c) death with documented ventricular fibrillation
- d) all answers are correct
- e) there is no correct answer

5. The development of intestinal bleeding as a complication is typical

- a) for cholera
- b) for food poisoning
- c) for typhoid fever

- d) for bacillary dysentery
- e) for rotavirus gastroenteritis

6. The patient, in response to pain irritation, opens his eyes, with strong irritation, a protective reaction, when he is addressed, he utters incoherent words. Your assessment of the depth of the disorder of consciousness according to the Glasgow scale

- a) clear mind
- b) stun
- c) sopor
- d) coma
- e) brain death

7. A 58-year-old patient developed pulmonary edema against the background of a hypertensive crisis. BP - 220/140 mm Hg. Art. What drug is better to use in this situation

- a) enalapril
- b) clonidine
- c) carvedilol
- d) digoxin
- e) lasix

8. What is the cause of hypertension in a patient with the following clinical signs: sudden onset of headache against the background of a sharp increase in blood pressure, accompanied by nausea, tachycardia, pallor of the skin, after an attack - polyuria

- a) Conn's syndrome
- b) Itsenko-Cushing's syndrome
- c) climacteric syndrome
- d) pheochromocytoma
- e) thyrotoxicosis

9. For thrombosis of the renal veins is most characteristic

- a) low back pain and hematuria
- b) fever
- c) proteinuria
- d) leukocyturia
- e) arterial hypertension

10. What is the most informative indicator for the detection of nephrotic syndrome

- a) the amount of proteinuria
- b) glomerular filtration
- c) serum creatinine
- d) serum cholesterol
- e) tubular reabsorption of water

2. Examples of situational tasks Competence achievement indicators to be checked: GPC-5.1.1., GPC-5.1.2., GPC-5.1.3., GPC-6.1.1., GPC-6.1.2., GPC-6.1.3., GPC-13.1 .2

Task number 1.

The patient, 2-3 weeks after follicular angina, began to complain of shortness of breath when walking fast and climbing stairs, palpitations, interruptions, constant aching pain in the region of the heart. Objectively: acrocyanosis, subfebrile condition, expansion of the borders of the heart to the left to the midclavicular line, muffled tones, single extrasystoles, tachycardia, soft

systolic murmur at the apex. Pastosity of legs. Select the leading syndromes. Probable diagnosis? Required follow-up?

Task number 2.

On the second day, a patient with myocardial infarction had increased dyspnea, cough with frothy sputum. Objectively: cyanosis of the nasolabial triangle, pallor. The number of breaths is 32 per minute. In the lungs, a mass of wet rales of various sizes is heard in all lung fields. Heart sounds are muffled, tachycardia up to 116 beats. in min. BP 100/60 mmHg Art. What happened to the patient? Urgent Care?

### 3. List of interview questions

№	Questions for midterm assessment	Verifiable indicators of achievement of competencies
1.	Acute rheumatic fever. Etiology. Pathogenesis. Working classification. Clinical symptomatology. Differential diagnosis of primary rheumatic heart disease with infectious-allergic myocarditis, tonsillocardial syndrome	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
2.	Acute rheumatic fever. ORL course. Treatment. Prevention (primary, secondary). The value of sanitation of the oral cavity to prevent the activity of the rheumatic process	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
3.	Bacterial endocarditis. Etiology, pathogenesis. Classification. Clinical manifestations. Diagnostics. The role of the dentist in the prevention of bacterial endocarditis	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
4.	Myocarditis. Etiology, pathogenesis, hemodynamic disorders. Main clinical manifestations. Laboratory and instrumental diagnostic methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
5.	IHD: angina pectoris. developmental pathogenesis. Risk factors. clinical picture. Laboratory and instrumental methods of diagnostics. Principles of treatment. Providing emergency care for an attack of angina pectoris	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
6.	IHD: myocardial infarction. developmental pathogenesis. clinical picture. Laboratory and instrumental methods of diagnostics. Providing emergency care in anginal form of acute myocardial infarction.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3

7.	Early complications in acute myocardial infarction. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
8.	Acute vascular insufficiency - syncope. Pathogenesis. Clinical manifestations. First medical aid.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
9.	Acute vascular insufficiency - collapse. Pathogenesis. Clinical manifestations. First medical aid.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
10.	Cardiogenic shock. Etiology. Pathogenesis. clinical picture. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
11.	Chronic heart failure. Pathogenesis. Classification of VNOK 2002. Clinical manifestations. Diagnostics. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2. ., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
12.	Syndrome of acute left ventricular failure (cardiac asthma, pulmonary edema). Etiology. developmental pathogenesis. Clinical manifestations. Principles of emergency therapy.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
13.	Syndrome of acute right ventricular failure. Etiology. Pathogenesis. Clinical manifestations. Principles of emergency therapy.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
14.	Violations of the function of myocardial excitability - supraventricular and ventricular extrasystole. Clinical manifestations. ECG - diagnostics.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
15.	Atrioventricular blockade. Morgagni-EdemsStokes syndrome. Clinic. ECG - diagnostics. Principles of first aid.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2.,

		ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
16.	Paroxysmal tachycardia. Clinical manifestations. ECG - diagnostics. Principles of first aid.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
17.	Violation of the function of myocardial excitability - atrial fibrillation. Classification. Clinical manifestations. ECG - diagnostics. Principles of treatment	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
18.	Arterial hypertension. Etiology. Pathogenesis. Classification. Clinical manifestations. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
19.	Arterial hypertension of hemodynamic origin (coarctation of the aorta, aortic valve insufficiency, atherosclerotic genesis). Pathogenesis. Features of the clinical picture.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
20.	Hypertensive crises. Classification. Clinical variants. Principles of emergency care in hypertensive crises.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
21.	Sudden death. The reasons. Diagnostics. principles of resuscitation.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
22.	Syndrome of increased airiness of the lung tissue. Pathogenesis. Instrumental and laboratory research methods. In what diseases does this syndrome occur?	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
23.	Syndrome of bronchial obstruction. Pathogenesis. Laboratory and instrumental research methods. In what diseases does this syndrome occur?	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
24.	Syndrome of compaction of lung tissue (infiltration, atelectasis, tumors). Pathogenesis. Laboratory and instrumental research methods. In what diseases does	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3,

	this syndrome occur?	ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
25.	Cavity syndrome in the lung. Pathogenesis. Laboratory and instrumental research methods. In what diseases does this syndrome occur?	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
26.	Syndrome of the presence of fluid in the pleural cavity. Pathogenesis. Laboratory and instrumental research methods. In what diseases does this syndrome occur?	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
27.	Syndrome of the presence of gas in the pleural cavity. Pathogenesis. Data from laboratory and instrumental studies. In what diseases does this syndrome occur?	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
28.	Chronic respiratory failure. Degrees of respiratory failure. Laboratory and instrumental diagnostic methods. The concept of cor pulmonale. Pathogenesis	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
29.	Chronic cor pulmonale. Etiology. Pathogenesis. Clinical manifestations and stages of the course. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
30.	Acute respiratory failure caused by aspiration of a foreign body into the respiratory tract. Clinic. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
31.	Acute and chronic bronchitis. clinical picture. Laboratory and instrumental diagnostic methods. Principles of treatment	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
32.	Bronchial asthma. Classification. developmental pathogenesis. clinical picture. Laboratory and instrumental diagnostic methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
33.	Attack of bronchial asthma. Asthmatic status. Diagnostics. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2.,

		ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
34.	COPD Definition. Pathogenesis. Classification. clinical picture. Laboratory and instrumental diagnostics. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
35.	Pneumonia. Classification. clinical picture. Data of laboratory and instrumental studies. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
36.	Lung abscess. Etiology, pathogenesis. clinical picture. Complications. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
37.	Exudative pleurisy. Etiology. Pathogenesis. Clinic. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
38.	. Sputum examination: quantity, color, smell, consistency. The nature of sputum in various lung diseases.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
39.	Syndromes of disorders of digestion and absorption. Reasons for development. Clinical manifestations.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
40.	Syndrome of pain (its characteristics) and gastric dyspepsia in diseases of the gastrointestinal tract. Their features in peptic ulcer, gastritis, stomach cancer	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
41.	Chronic gastritis. Etiology, pathogenesis. The value of laboratory and instrumental research methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
42.	Dyspepsia syndrome: organic and functional dyspepsia. Etiology, pathogenesis. Main clinical manifestations. The value of laboratory and	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3,

	instrumental research methods. Principles of treatment	ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
43.	Stomach ulcer. Etiology. Pathogenesis. Clinic. Dependence of clinical manifestations on ulcer localization. dental status. Diagnosis. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
44.	Peptic ulcer of the 12th duodenal ulcer. Etiology. Pathogenesis. Clinic. Dependence of clinical manifestations on ulcer localization. dental status. Diagnosis. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
45.	Complications of peptic ulcer of the stomach and duodenum 12 (perforation, penetration, bleeding, pyloric stenosis, malignancy). Clinical manifestations	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
46.	Gastrointestinal bleeding. The reasons. Clinical picture, laboratory and instrumental diagnostics.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
47.	Syndrome of hypopolyvitaminosis in diseases of the gastrointestinal tract. Pathogenesis. Clinical manifestations	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
48.	Irritable Bowel Syndrome. Main clinical manifestations. The value of laboratory and instrumental research methods. Principles of treatment	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
49.	jaundice syndrome. Pathogenesis of obstructive jaundice. Clinical manifestations. Laboratory and instrumental diagnostic methods	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
50.	jaundice syndrome. The pathogenesis of parenchymal jaundice. Possible reasons. Clinical manifestations. Laboratory and instrumental diagnostic methods	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
51.	jaundice syndrome. The pathogenesis of hemolytic jaundice. Possible reasons. Clinical manifestations.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1.,



	Laboratory and instrumental diagnostic methods	ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
52.	Syndromes of hepatocellular insufficiency. Pathogenesis. Clinical manifestations. Laboratory and instrumental diagnostic methods. The concept of hepatic coma	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
53.	portal hypertension syndrome. Pathogenesis. Clinical manifestations. diagnostic value	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
54.	Diagnostic value of determining bilirubinuria, bilirubinemia, urobilinuria	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
55.	Hepatosplenic syndrome, hypersplenism. Pathogenesis. Clinical manifestations. Laboratory and instrumental diagnostics.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
56.	chronic hepatitis. Classification. Etiology. Major clinical syndromes. Laboratory and instrumental diagnostic methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
57.	Cirrhosis of the liver. Classification. Cirrhosis of the liver of viral etiology. Pathogenesis. Major clinical syndromes. Laboratory and instrumental diagnostic methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
58.	Types of hemostasis. Laboratory diagnostic methods. types of bleeding. Clinical and laboratory diagnostics.	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
59.	Normal leukocyte formula and its changes in various diseases. Leukocytosis, leukopenia. Their changes in various pathological processes. Agranulocytosis	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
60.	iron deficiency anemia. The main etiological factors. Clinic. main syndromes. dental status. Principles of treatment	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
61.	B-12 folate deficiency anemia. The main etiological factors. clinical syndromes. dental manifestations.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1.,

	Criteria for diagnosis. Principles of treatment	ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
62.	hemorrhagic vasculitis. The pathogenesis of bleeding. clinical picture. Variants of the course of the disease. diagnostic criteria. Dental manifestations and tactics during interventions. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ., ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
63.	Hemophilia. The pathogenesis of bleeding. Clinical manifestations. Diagnosis. Principles of treatment. Dentist tactics.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ПК-7.1.1., ПК- 7.1.2., ПК-7.1.3.
64.	thrombocytopenic purpura. The main etiological factors. The pathogenesis of bleeding. clinical picture. Diagnosis. Dentist tactics. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
65.	Acute leukemia. Etiology. Pathogenesis. clinical picture. Major dental manifestations. Laboratory and morphological diagnostic methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
66.	Chronic myeloid leukemia. clinical picture. Major dental manifestations. diagnostic criteria. Principles of treatment..	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
67.	Chronic lymphocytic leukemia. Major clinical syndromes. dental manifestations. Flow stages. diagnostic criteria. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
68.	General urine analysis. Diagnostic value of color, pH, specific gravity, proteinuria, glucosuria, hematuria, cylindruria, bacteriuria. Diagnostic value of urinary sediment microscopy.	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
69.	nephrotic syndrome. Pathogenesis. Clinical manifestations. Laboratory diagnostic methods	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
70.	urinary syndrome. Its features in glomerulonephritis, pyelonephritis, urolithiasis, kidney tuberculosis.	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2

71.	Syndrome of renal edema. Pathogenesis. clinical picture. diagnostic value.	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
72.	Syndrome of acute renal failure. Pathogenesis. Clinical manifestations. Laboratory diagnostic methods.	ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
73.	Acute glomerulonephritis. Etiology. Pathogenesis. Clinical picture and course options. Laboratory and instrumental diagnostic methods. Principles of treatment. Importance of oral hygiene.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., , ПК-7.1.1, ПК-7.1.2, ПК-7.1.3
74.	Chronic glomerulonephritis. Pathogenesis. Characteristics of clinical forms. dental manifestations. Laboratory and instrumental research methods. Principles of treatment.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
75.	Chronic kidney disease. Definition. CKD stages. Diagnostic methods. Terminal renal failure. Identification, prevention and treatment of systemic complications of kidney dysfunction (anemia, disorders of water-electrolyte, calciumphosphate balance, acidosis, hyperhomocysteinemia, protein-energy deficiency). dental manifestations	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2., ПК-7.1.1., ПК-7.1.2., ПК-7.1.3.
76.	Symptomatic renal arterial hypertension. Main clinical manifestations. Differential diagnosis with arterial hypertension.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
77.	Diabetes mellitus type 1. Etiology. Pathogenesis, clinical manifestations. Changes in the dental system.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
78.	Diabetes mellitus type 2. Etiology. Pathogenesis. Clinical manifestations. Changes in the dental system.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
79.	Complications of diabetes. Micro- and macroangiopathies. Pathogenesis. Clinic. Diagnostics.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
80.	Modern principles of diet therapy for diabetes mellitus.	ОПК-6.1.1., ОПК-6.1.2., ОПК-13.1.2.
81.	Modern principles of prescribing hypoglycemic agents in type 1 diabetes mellitus.	ОПК-6.1.1., ОПК-6.1.2., ОПК-13.1.2.
82.	Modern principles of prescribing hypoglycemic agents in type 2 diabetes mellitus	ОПК-6.1.1., ОПК-6.1.2., ОПК-13.1.2.

83.	Hypoglycemic coma. Pathogenesis. clinical picture. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
84.	Ketoacidotic coma. Pathogenesis, clinical manifestations. Urgent care.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.
85.	Symptomatic arterial hypertension arising from thyrotoxicosis, pheochromocytoma, Kohn's syndrome, Itsenko-Cushing's syndrome. Main clinical manifestations. Differential diagnosis with hypertension.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
86.	Syndrome of hyper- and hypocorticism. Pathogenesis. Clinic. Laboratory and instrumental diagnostic methods.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
87.	Syndrome of hypo- and hyperthyroidism. Pathogenesis. Clinic. Laboratory and instrumental research methods.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2
88.	Anaphylactic shock. Etiology, pathogenesis, clinical picture, diagnosis, first aid. principles of resuscitation.	ОПК-1.2.1., ОПК-1.2.2., ОПК-1.2.3., ОПК-5.1.1., ОПК-5.1.2., ОПК-5.1.3, ОПК-6.1.1., ОПК-6.1.2., ОПК-6.1.3., ОПК-8.3.1., ОПК-9.2.1., ОПК-13.1.2.

#### 4. Exam ticket example

Federal State Budgetary Educational Institution of Higher Education  
"Volgograd State Medical University"  
Ministry of Health of the Russian Federation

Department: Internal Medicine  
Discipline: Internal Medicine  
Specialist in specialty 31.05.03 Dentistry  
Academic year: 2023-2024

#### Exam ticket № 1

1. Syndrome of arterial hypertension. Pathogenesis. Classification. Clinical manifestations. Algorithm for examining a patient with arterial hypertension syndrome.

2. Pneumonia. Etiology. Pathogenesis. Classification. clinical picture. Diagnostics. Differential diagnosis. Principles of treatment.
3. Cardiogenic shock. Etiology. Pathogenesis. clinical picture. Diagnostics. Urgent Care.



Head of the Department

Statsenko M.E.

The full fund of assessment tools for discipline is available in the EIES of VolgSMU at the link (s):

<https://elearning.volgmed.ru/course/view.php?id=6869>

Considered at the meeting of the department of Internal diseases "27" \_\_ May \_\_ 2023, protocol No\_10.

Head of the Department



Statsenko M.E.