№ Стом-21ИН

Federal State Budgetary Educational Institution of Higher Education
«North-Ossetia State Medical Academy»
of the Ministry of Healthcare of the Russian Federation

APROVED

RECTOR OF FSBEI HE NOSMA MON RUSSIA

ДОКУМЕНТ ПОДПИСАН
ЭЛЕКТРОННОЙ ПОДПИСЬЮ

Сертификат: 2D4EFF8215A48D63793F851FADB089F4
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WORKING PROGRAM OF THE DISCIPLINE

"Internal diseases"

the main professional educational program of higher education - specialty program in the specialty 31.05.03 Dentistry, partially implemented in English, approved in April 17, 2024

Form of education Full-time

The period of development 5

Department of Internal Medicine № 3

Vladikavkaz, 2024

When developing the work program, the disciplines are based on:

1. . The Federal State Educational Standard of higher education for the specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation on August,12, 2020 №. 984

2. The curriculum of the MPEP HE in the specialty 31.05.01 Medical care
Стом-21-01-21ИН
Стом-21-02-22ИН
Стом-21-03-23ИН
Стом-21-04-24ИН
approved by the Academic Council of the Federal State Budgetary Educational Institution of the Ministry of Higher Education NOSMA of the Ministry of Health of the Russian Federation on April 17, 2024, Protocol №.6

The working program of the discipline was approved at the meeting of the Department of Internal Diseases №. 3 of March 29, 2024, Protocol N 8

The working program of the discipline was approved at the meeting of the central coordinating Educational and Methodological Council of April 2, 2024, Protocol N 4.

The working program of the discipline was approved by the Academic Council Federal State Educational Institution of Higher Education NOSMA of the Ministry of Health of the Russian Federation of April 17, 2024, Protocol № 6.

Developers:
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The content of the work program

1. name of the discipline;
2. the list of planned learning outcomes in the discipline, correlated with the planned results of the development of the educational program;
3. indication of the place of discipline in the structure of the educational program;
4. the amount of discipline in credit units indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training sessions) and for independent work of students;
5. the content of the discipline, structured by topics (sections) with an indication of the number of academic or astronomical hours allocated to them and types of training sessions;
6. list of educational and methodological support for independent work of students in the discipline;
7. evaluation materials for the interim certification of students in the discipline;
8. the list of basic and additional educational literature necessary for the development of the discipline;
9. list of resources of the information and telecommunication network "Internet" (hereinafter referred to as the "Internet"), necessary for the development of the discipline;
10. methodological guidelines for students on the development of the discipline;
11. list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. conducting educational activities using e-learning and distance learning technologies.

2. The list of planned learning outcomes in the discipline and the results of the development of the educational program

№ i/o	Competence number/index	The content of the competence (or part of it)	Topic of the lesson (section)	Indicators of competence achievement	Development results		
					know	be able	to own
1	2	3	4	5	6	7	8
1.	EPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	Introductory lesson. Acquaintance with the department. The subject and tasks of propaedeutics of internal diseases. Medical documentation. Chart of the medical history. Aspects of deontology. Main and additional complaints. The history of the disease. Life history, taking into account professional activity. Independent work at the patient's bedside	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology;	- communicate with the patient, his relatives, medical staff; - keep medical secrecy - be able to observe moral and legal norms in professional activity;	- Communication skills with patients depending on the identified pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses
	EPC -5.	Is able to conduct a patient examination in order to establish a diagnosis when	Introductory lesson. Acquaintance with the department. The subject and tasks of propaedeutics	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient.	the algorithm of the survey, examination, examination of	interpret the information received and the results of	- methods of questioning, physical

		solving professional tasks	of internal diseases. Medical documentation. Chart of the medical history. Aspects of deontology. Main and additional complaints. The history of the disease. Life history, taking into account professional activity. Independent work at the patient's bedside	AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders.	examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient -own the algorithm of clinical examination of the patient
2.	EPC -1	Able to implement moral and legal norms, ethical and deontological	General examination of the patient: general condition, position of the patient, state of	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents	Fundamentals of Ethics and Deontology	- communicate with the patient, his relatives and medical staff; -	Communica tion skills with patients

		principles in professional activity	consciousness (changes in consciousness), examination of the skin, lymph nodes, subcutaneous fat, joints, bones, muscles, detection of edema. Independent work at the patient's bedside	professional information in the process of intercultural interaction, observing the principles of ethics and deontology		to keep medical secrecy	depending on the revealed pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses
	EPC -5.	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	General examination of the patient: general condition, position of the patient, state of consciousness (changes in consciousness), examination of the skin, lymph nodes, subcutaneous fat, joints, bones, muscles, detection of edema. Independent work at the patient's bedside	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical,	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphological substrate and the idea of the individual

				laboratory and functional diagnostics in solving professional tasks.	processes	functional disorders	pathogenesis of pathology of internal organs in the examined patient
3.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	The history of percussion development. The physical basics of percussion. Comparative percussion of the lungs, determination of the nature of percussion sound. Topographic percussion of the lungs. Determination of the boundaries of the lungs, the height of the standing of the tops of the lungs, the width of the Krenig fields, the lower border of the lungs. Determination of the mobility of the pulmonary edges. Mastering the percussion method. Independent work at the patient's bedside Methods and techniques of auscultation. The history of its development.	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	- communicate with the patient, his relatives and medical staff; - to keep medical secrecy	- Communication skills with patients depending on the identified pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses

			Normal breathing noises. Bronchophonia. The mechanism of occurrence. Diagnostic value. Mastering the auscultation method. The concept of additional respiratory noises, the mechanism of their occurrence, diagnostic value. Independent work at the patient's bedside. Laboratory, instrumental, functional methods of examination of a patient with respiratory diseases. Mastering the methods of examination of a patient with respiratory diseases: radiography, tomography, bronchography, fluorography, bronchoscopy, bronchofibroscopy, thoracoscopy, spirogram, 2h study of the intensity of pulmonary ventilation, study of the mechanics of the respiratory act, pleural puncture, sputum examination. Familiarity with medical equipment,				

			the study of analyzes, spirograms, radiographs, watching videos on functional methods of research of the respiratory organs.				
	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	The history of percussion development. The physical basics of percussion. Comparative percussion of the lungs, determination of the nature of percussion sound. Topographic percussion of the lungs. Determination of the boundaries of the lungs, the height of the standing of the tops of the lungs, the width of the Krenig fields, the lower border of the lungs. Determination of the mobility of the pulmonary edges. Mastering the percussion method. Independent work at the patient's bedside Methods and techniques of auscultation. The history of its development. Normal breathing noises. Bronchophonia. The	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient

			mechanism of occurrence. Diagnostic value. Mastering the auscultation method. The concept of additional respiratory noises, the mechanism of their occurrence, diagnostic value. Independent work at the patient's bedside. Laboratory, instrumental, functional methods of examination of a patient with respiratory diseases. Mastering the methods of examination of a patient with respiratory diseases: radiography, tomography, bronchography, fluorography, bronchoscopy, bronchofibroscopy, thoracoscopy, spirogram, 2h study of the intensity of pulmonary ventilation, study of the mechanics of the respiratory act, pleural puncture, sputum examination. Familiarity with medical equipment, study of analyzes, spirograms, radiographs,				

			watching videos on functional methods of organ breathing research				
4.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	Questioning of patients with diseases of the circulatory system (main complaints, their pathogenesis), examination (patient's position, skin color, examination of the heart and large vessels), palpation of the apical shock and the heart area. Percussion of the heart is normal: a technique for determining the boundaries of relative dullness, vascular bundle. Determination of the configuration of relative dullness of the heart. Percussion changes in the pathology of the cardiovascular system: diagnostic significance of changes in the boundaries of the heart. Percussion changes in the pathology of the cardiovascular system: diagnostic significance of changes in	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	- communicate with the patient, his relatives and medical staff; - to keep medical secrecy	- Communication skills with patients depending on the identified pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses

			the boundaries of the heart. Independent work at the patient's bedside.				
	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Questioning of patients with diseases of the circulatory system (main complaints, their pathogenesis), examination (patient's position, skin color, examination of the heart and large vessels), palpation of the apical shock and the heart area. Percussion of the heart is normal: a technique for determining the boundaries of relative dullness, vascular bundle. Determination of the configuration of relative dullness of the heart. Percussion changes in the pathology of the cardiovascular system: diagnostic significance of changes in the boundaries of the heart. Percussion changes in the pathology of the cardiovascular system: diagnostic significance of changes in	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient

			the boundaries of the heart. Independent work at the patient's bedside.				
5.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	Auscultation of the heart: technique, points of auscultation of the heart, differences of I and II heart tones. Listening places and the true projection of the valves on the chest. Characteristics of heart tones in a healthy person. The mechanism of the occurrence of tones. Causes of strengthening and weakening of heart tones. Classification of noise. Functional noises. Organic noises. Diagnostic value. Independent work at the patient's bedside. The method of palpation of the arterial pulse. Investigation of the properties of the peripheral pulse, pulse characteristics. Sphygmography. Determination of blood pressure, venous pressure. Diagnostic value.	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	- communicate with the patient, his relatives and medical staff; - to keep medical secrecy	- Communication skills with patients depending on the identified pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses

			Independent work at the patient's bedside. Electrocardiography (ECG) method. The main functions of the heart. The device of an electrocardiograph. Methods and techniques of ECG recording. The formation of ECG teeth is normal. ECG decoding plan				
	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Auscultation of the heart: technique, points of auscultation of the heart, differences of I and II heart tones. Listening places and the true projection of the valves on the chest. Characteristics of heart tones in a healthy person. The mechanism of the occurrence of tones. Causes of strengthening and weakening of heart tones. Classification of noise. Functional noises. Organic noises. Diagnostic value. Independent work at the patient's bedside. The method of palpation of the	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.- be able to	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal

			arterial pulse. Investigation of the properties of the peripheral pulse, pulse characteristics. Sphygmography. Determination of blood pressure, venous pressure. Diagnostic value. Independent work at the patient's bedside. Electrocardiography (ECG) method. The main functions of the heart. The device of an electrocardiograph. Methods and techniques of ECG recording. The formation of ECG teeth is normal. ECG decoding plan	evaluate the results of clinical, laboratory and functional diagnostics when solving professional tasks;			organs in the examined patient
6.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	Questioning of patients with diseases of the digestive system (main complaints, their pathogenesis). Examination of the oral cavity, abdomen. Mastering the palpation technique (surface orientation and deep methodical sliding	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	- communicate with the patient, his relatives and medical staff; - to keep medical secrecy	- Communication skills with patients depending on the identified pathology and

			palpation of the intestine, stomach, pylorus, pancreas). Percussion of the abdomen in order to determine the lower border of the stomach, ascites. Percussion determination of liver boundaries. Palpation of the liver. Independent work at the patient's bedside. Interpretation of the analysis of gastric juice, feces. Endoscopic, X-ray, ultrasound and other methods of examination of patients with diseases of the digestive system and hepatobiliary system.				characterological features of patients; - communication skills with colleagues, nurses, nurses
	EPC -5	Способен проводить обследование пациента с целью установления диагноза при решении профессиональных задач	Questioning of patients with diseases of the digestive system (main complaints, their pathogenesis). Examination of the oral cavity, abdomen. Mastering the palpation technique (surface orientation and deep methodical sliding palpation of the intestine,	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases,	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi

			stomach, pylorus, pancreas). Percussion of the abdomen in order to determine the lower border of the stomach, ascites. Percussion determination of liver boundaries. Palpation of the liver. Independent work at the patient's bedside. Interpretation of the analysis of gastric juice, feces. Endoscopic, X-ray, ultrasound and other methods of examination of patients with diseases of the digestive system and hepatobiliary system.	in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	structural and functional foundations of pathological	interpretation of the results with reflection of structural and functional disorders	cal substrate and the idea of the individual pathogenesis of pathology of internal organs in the examined patient
7.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	The main complaints of patients with diseases of the urinary system, their pathogenesis. Examination of the kidney area. Palpation of the kidneys. A symptom of pounding on the lumbar region. 2h 0 Conducting a laboratory study of a general urine analysis (determination of specific gravity and proteinuria). Clinical	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	-communicate with the patient, his relatives and medical staff; - maintain medical secrecy	- Communication skills with patients depending on the identified pathology and characterological

			interpretation of the general urinalysis, analysis according to Nechiporenko, according to Zimnitsky. Biochemical parameters of blood. Clinical interpretation of functional methods of kidney examination. Evaluation of the results of X-ray, radiological and ultrasound examination of the kidneys.				features of patients; - communication skills with colleagues, nurses, nurses
	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	The main complaints of patients with diseases of the urinary system, their pathogenesis. Examination of the kidney area. Palpation of the kidneys. A symptom of pounding on the lumbar region. 2h 0 Conducting a laboratory study of a general urine analysis (determination of specific gravity and proteinuria). Clinical interpretation of the general urinalysis, analysis according to Nechiporenko, according to Zimnitsky. Biochemical parameters of blood.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination skills of assessing the morphological substrate and the idea of the individual pathogenesis of pathology

			Clinical interpretation of functional methods of kidney examination. Evaluation of the results of X-ray, radiological and ultrasound examination of the kidneys.	tasks.			of internal organs in the examined patient
8.	EPC -1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	Questioning, examination of patients with diseases of the organs of hematopoiesis. Diagnostic value of a clinical blood test study. Interpretation of the general blood test in the detection of anemia, leukemia, inflammatory process. A general idea of sternal puncture, trepanobiopsy: interpretation of the results. A general idea of the coagulogram. Interpretation of laboratory tests for the detection of hemorrhagic syndrome. Independent work at the patient's bedside.	AI-1 EPC-1 Observes moral and legal norms in professional activity. AI-2 EPC-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	Fundamentals of Ethics and Deontology	communicate with the patient, his relatives and medical staff; - maintain medical secrecy	- Communication skills with patients depending on the identified pathology and characterological features of patients; - communication skills with colleagues, nurses, nurses
	EPC -5	Is able to conduct a patient examination in order to establish a	Questioning, examination of patients with diseases of the organs of	AI-1 EPC-5 Owns the algorithm of clinical examination of the	the algorithm of the survey, examination,	interpret the information received and the	methods of questioning, physical

		diagnosis when solving professional tasks	hematopoiesis. Diagnostic value of a clinical blood test study. Interpretation of the general blood test in the detection of anemia, leukemia, inflammatory process. A general idea of sternal puncture, trepanobiopsy: interpretation of the results. A general idea of the coagulogram. Interpretation of laboratory tests for the detection of hemorrhagic syndrome. Independent work at the patient's bedside.	patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
9	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Pulmonary tissue compaction syndrome (lobular and focal), bronchial obstruction syndrome, syndrome of increased airiness of lung tissue.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the

				functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	of diseases, structural and functional foundations of pathological	patients with interpretation of the results with reflection of structural and functional disorders	morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
10	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Lung cavity syndrome, fluid accumulation syndrome in the pleural cavity, respiratory insufficiency syndrome.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology

				tasks.			of internal organs in the examined patient
11.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Clinical symptomatology of heart defects (mitral, aortic)	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
12.	EPC -5	Is able to conduct a patient examination in order to establish a	Arterial hypertension syndrome, myocardial ischemia syndrome	AI-1 EPC-5 Owns the algorithm of clinical examination of the	the algorithm of the survey, examination,	interpret the information received and the	methods of questioning, physical

		diagnosis when solving professional tasks	(angina pectoris), cardiac muscle necrosis syndrome (myocardial infarction), acute and chronic heart failure syndrome, acute vascular insufficiency syndrome.	patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
13.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Semiotics of diseases of the cardiovascular system and the main clinical syndromes. Arterial hypertension syndrome, myocardial ischemia syndrome (angina pectoris), cardiac muscle necrosis syndrome (myocardial infarction), acute and chronic heart	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the

			failure syndrome, acute vascular insufficiency syndrome.	functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	of diseases, structural and functional foundations of pathological	patients with interpretation of the results with reflection of structural and functional disorders	morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
14.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	semiotics of diseases of the cardiovascular system and the main clinical syndromes. Methods of functional diagnostics in cardiological practice (ECG, EchoCG, etc)	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in

				tasks.			the examined patient
15.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Semiotics of diseases of the gastrointestinal tract and the main clinical syndromes of semiotics of diseases of the liver and hepatobiliary zone	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	by methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
16.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	Semiotics of diseases of the hematopoiesis system. The main clinical syndromes.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of	interpret the information received and the results of clinical, laboratory and instrumental	methods of questioning, physical examination and laboratory-instrumental

				diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient;
			Module internal diseases				
	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Pulmonology unit:** pneumonia, chronic bronchitis, bronchial asthma (etiology, pathogenesis, clinic, diagnosis, treatment)	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea

				AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	foundations of pathological processes	reflection of structural and functional disorders	of the individual pathogenesis of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Pulmonology unit:** pneumonia, chronic bronchitis, bronchial asthma (etiology, pathogenesis, clinic, diagnosis, treatment)	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined treatment of the main nosological forms	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods of questioning, physical examination and laboratory-instrumental examination; skills of assessing the morphological substrate and the idea of the individual pathogenesis of pathology of internal organs in the

							examined patient
18	EPC-5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Cardiology block:** hypertension, symptomatic hypertension, atherosclerosis, coronary heart disease, myocardial infarction, rhythm disorders, ARL, rheumatic defects, AHF, CHF, emergency conditions in cardiology	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional	**Cardiology block:** hypertension, symptomatic hypertension, atherosclerosis, coronary heart disease, myocardial	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian	the main classes of drugs used in various diseases, mechanisms of action, indications,	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance

		tasks	infarction, rhythm disorders, ARL, rheumatic defects, AHF, CHF, emergency conditions in cardiology	Federation	contraindications, possibilities of combined treatment of the main nosological forms		with the diagnosis - the skill of drawing up a treatment plan for a particular patient
19.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Gastroenterology unit:** chronic gastritis, gastric ulcer and duodenal ulcer, chronic non-calculous cholecystitis, chronic hepatitis, cirrhosis of the liver, urgent conditions in gastroenterology.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient

	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Cardiology block:** hypertension, symptomatic hypertension, atherosclerosis, coronary heart disease, myocardial infarction, rhythm disorders, ARL, rheumatic defects, AHF, CHF, emergency conditions in cardiology	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined treatment of the main nosological forms	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment plan for a particular patient
19.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Block nephrology;** glomerulonephritis. chronic pyelonephritis, chronic renal failure	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi

				functional diagnostics in solving professional tasks.		disorders	s of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Cardiology block:** hypertension, symptomatic hypertension, atherosclerosis, coronary heart disease, myocardial infarction, rhythm disorders, ARL, rheumatic defects, AHF, CHF, emergency conditions in cardiology	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined treatment of the main nosological forms	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment plan for a particular patient
20.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Block blood diseases:** anemia Aplastic anemia. Hemolytic anemia., acute leukemia, chronic leukemia	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of	methods of questioning, physical examination and laboratory-instrumental examination ; skills of assessing the

				functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	of diseases, structural and functional foundations of pathological processes	patients with interpretation of the results with reflection of structural and functional disorders	morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Cardiology block:** hypertension, symptomatic hypertension, atherosclerosis, coronary heart disease, myocardial infarction, rhythm disorders, ARL, rheumatic defects, AHF, CHF, emergency conditions in cardiology	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined treatment of the main nosological forms	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment plan for a particular patient
21.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional	**Hemorrhagic vasculitis.** Definition of the concept. Classification. The mechanism of bleeding in various hemorrhagic	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a	the algorithm of the survey, examination, examination of therapeutic	interpret the information received and the results of clinical,	methods of questioning, physical examination and

		tasks	diathesis. Hemorrhagic vasculitis (Schenlein-Henoch disease).	plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	laboratory-instrumental examination ; skills of assessing the morphologi cal substrate and the idea of the individual pathogenesi s of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Hemorrhagic vasculitis.** Definition of the concept. Classification. The mechanism of bleeding in various hemorrhagic diathesis. Hemorrhagic vasculitis (Schenlein-Henoch disease).	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined treatment of the main nosological forms	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment plan for a

							particular patient
22.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Acute radiation sickness.** Definition of the concept. Clinic of acute radiation sickness. Complications and consequences. Differential diagnosis. Principles of treatment of acute radiation sickness from external radiation. Prevention.	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods of questioning, physical examination and laboratory-instrumental examination; skills of assessing the morphological substrate and the idea of the individual pathogenesis of pathology of internal organs in the examined patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Acute radiation sickness.** Definition of the concept. Clinic of acute radiation sickness. Complications and consequences. Differential diagnosis. Principles of treatment of acute radiation sickness from external radiation. Prevention.	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment

					treatment of the main nosological forms		plan for a particular patient
23.	EPC -5	Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks	**Diabetes mellitus.** (changes in the oral cavity in patients, complications)	AI-1 EPC-5 Owns the algorithm of clinical examination of the patient. AI-2 EPC-5 Makes a plan for laboratory and instrumental diagnostics. AI-3 EPC-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks AI-4 EPC-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks.	the algorithm of the survey, examination, examination of therapeutic patients; - the concept of etiology, pathogenesis, morphogenesis, pathomorphosis of diseases, structural and functional foundations of pathological processes	interpret the information received and the results of clinical, laboratory and instrumental research; -to conduct clinical and additional examination of patients with interpretation of the results with reflection of structural and functional disorders	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a treatment plan for a particular patient
	EPC -6.	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks	**Diabetes mellitus.** (changes in the oral cavity in patients, complications)	AI-1 EPC-6 Conducts effective, safe therapy based on the clinical recommendations of the Ministry of Health of the Russian Federation	the main classes of drugs used in various diseases, mechanisms of action, indications, contraindications, possibilities of combined	prescribe treatment to the patient, evaluate the effectiveness and safety of the treatment	methods and skills of prescribing medicines in accordance with the diagnosis - the skill of drawing up a

					treatment of the main nosological forms		treatment plan for a particular patient

3. The place of discipline in the structure of the educational program

The discipline "Internal Diseases" is a discipline of the mandatory part of the Block 1 of the Federal State Educational Standard in the specialty "Dentistry".

4. The scope of the discipline

№ i/o	Type of work		Total credits	Total hours	Term		
					4	5	6
					Number of hours		
1	2		3	4	5		
1. ___	**Contact work of students with the teacher (total), including:**		**-**	**168**	**72**	**52**	**44**
2. ___	Lectures (L)		-	42	20	12	10
3. ___	Clinical Practical training (PT)		-	126	52	40	34
4. ___	Seminars (C)						
5. ___	Laboratory work (LW)						
6. ___	**Independent work of a student (IWS)**		**-**	**84**	**36**	**20**	**28**
7.	**Type of intermediate certification**	test (H)					
		exam (E)	-	36			36
8. ___	**TOTAL: Total labor intensity**	hours		**288**	**108**	**72**	**108**
		credits	**8**		**3**	**2**	**3**

5. Content of the discipline

№ i/o	№ semester	Name of the topic (section) of the discipline	Types of educational activities (in hours)					Forms of ongoing monitoring of academic performance
			L	LW	PT	IWS	total	
1	2	3	4	5	6	7	8	9
1. _	4	Propaedeutics of internal diseases	10	-	34	24	68	Interview, evaluation of the completion of educational documentation, solution of situational tasks, analysis of student activity in clinical classes
2. _	4	Module "Propaedeutics of internal diseases"	8	-	6	6	20	
3. _	4	Pulmonology	2	-	8	4	14	
4. _	4	Modular lesson	-	-	4	2	6	
5. _	5	Cardiology	6	-	20	12	38	
6. _	5	Acute rheumatic fever	2	-	2	4	8	
7. _	5	Gastroenterology	4	-	16	2	22	
8. _	5	Modular lesson	-	-	2	2	4	
9. _	6	Nephrology	6	-	22	12	40	
10._	6	Hematology	4	-	10	10	24	
11._	6	Modular lesson	-	-	2	6	8	
12._	6	Intermediate certification (exam)					36	

ИТОГО:	**42**		**126**	**84**	**288**	

6. List of educational and methodological support for independent work of students in the discipline

№ i/o	№ semester	Name of the educational and methodological development
1.	**4**	1. Community-acquired pneumonia. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - Central Methodological Commission (CMC) of therapeutic disciplines. 2. Acute and chronic bronchitis. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines. 3. Bronchial asthma. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2015. - Central Methodological Commission of therapeutic disciplines.
2.	5	1. Myocardial infarction. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 2. Myocarditis. Cardiomyopathy. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 3. Chronic heart failure. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 4. Chronic hepatitis. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2015. - CMC of therapeutic disciplines 5. Cirrhosis of the liver. Liver cancer. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 6. "Acid-dependent diseases in the practice of a polyclinic therapist" Vladikavkaz, 2019. - CMC of therapeutic disciplines
3.	6	1. Urinary syndrome. Acute and chronic glomerulonephritis. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2015 2. Pyelonephritis. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines. 3. "Glomerulonephritis. Differential diagnosis of morphological variants of glomerulonephritis" Vladikavkaz, 2019.-CMC of therapeutic disciplines. 4. Anemia. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines. 5. Hemorrhagic diathesis. Definition. Classification. Mechanisms of bleeding in various hemorrhagic diathesis. Clinic, diagnosis, treatment, prevention. Educational

		and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 6. Chronic leukemia. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2016. - CMC of therapeutic disciplines 7. Curation of the patient. Educational and methodological development for independent preparation of students for practical training. Vladikavkaz, 2015. - CMC of therapeutic disciplines

7. Evaluation materials for the interim certification of students in the discipline

№ i/o	List of competencies	№ semester	Evaluation indicator(s)	Evaluation criterion(s)	Rating scale	Name of evaluation materials
1	2	3	4	5	6	7
1.	EPC-1 EPC-5 EPC-6	**4**	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	test sessions, situational tasks, business games
2.	EPC -1 EPC -5 EPC -6	**5**	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	see the evaluation standard quality of education approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	test sessions, situational tasks, business games
3.	EPC -1 EPC -5 EPC -6	**6**	see the evaluation standard quality of education approved by	see the evaluation standard quality of education	see the evaluation standard quality of education	test sessions, situational tasks, business games

			the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	approved by the Order of the FSBEI of HE Ministry of Health Russia № 264/o on 10.07.2018	

8. The list of basic and additional educational literature necessary for the development of the discipline

№ i/o	Name	Author(s)	Year, place of publication	Number of instances		Name electronic library system/ electronic library system link
				в библиотеке	на кафедре	
1	2	3	4	5	6	7
Basic literature						
1.	Пропедевтика внутренних болезней : учебник	ред. В Т. Ивашкин	М.:МЕДпресс информ, 2005, 2008, 2020	73	14	
2.	Внутренние болезни: учебник с компактдиском: в 2 т	ред. Н.А. Мухин	М.: ГЭОТАР Медиа, 2019	ТЛ - 143	1	«Консультант студента» http ://www. studmedlib. ru/book/ISBN 9785970 433102.html
3.	Внутренние болезни: учебник. В 2 т	ред. В.С. Моисеева	М.: ГЭОТАР Медиа, 2019	Т.2 - 148	1	«Консультант студента» http ://www. studmedlib. ru/book/ISBN 9785970 433119.html
Additional literature						
4.	Внутренние болезни: учебное пособие для стоматологического факультета	ред. В Т. Ивашкин	М.: М ЕДПресс - информ, 2004	73	1	

5.	Внутренние болезни: учебник	ред. С.И. Рябов.	СПб.: Спец Лит, 2006	160	2	
6.	Внутренние болезни : учебник .Т.2 (Клинические разборы)	ред. Н.А. Мухин	М.: Литтерра, 2009	50	-	«Консультант студента» http ://www. studmedlib. ru/book/ISBN 9785904 090043.html
7.	Внутренние болезни в вопросах и ответах : учеб, пособие	ред. Ю Р . Ковалев	СПБ.: Фолиант, 2004	30	-	
8.	Внутренние болезни по Тинсли Р. Харрисону. В 2 кн.	Тинсли Р. Харрисон	Москва, 2002	Кн.1 - 1 Kh.2 - 2	1	
9.	Основы семиотики заболеваний внутренних органов: учеб, пособие	А.В. Струтынский, А.П. Баранов, Г.Е. Ройтберг, Ю.П. Гапоненков .	М.: МЕДПресс информ, 2011	24	11	
10.	Стандарты диагностики и лечения внутренних болезней	Б.М. Шулутко, С.В. Макаренко	СПб.: ЭЛБИ-СПб, 2004	1	1	
11.	Пропедевтика внутренних болезней: учебник	М ухин Н. А., М оисеев В С.	М.: ГЭОТАРМедиа, 2015	«Консультант студента» http ://www. studmedlib. ru/book/ISBN97859 70 434703.html		

9. The list of resources of the information and telecommunication network "Internet", necessary for the development of the discipline

1. Heart Failure Society: http://www.ossn.ш
2. National Internet Society
of Internal Medicine Specialists - http://www.intemist.ru
3.Official website of the Russian Society of Cardiology (RKO):

http://www.scardio.rn
4.Official website of the Russian Medical Society for Arterial Hypertension
(RMOAG): http://www.gipertonik.ru .
5.Official website of the Association of Rheumatologists of Russia (ARA): http://www.rheumatolog.ru .
6.Official website of the Scientific Society of Nephrologists of Russia: http://nonr.ru.
7.Official website of the Russian Gastroenterological Association:
http://www.gastro.rn.
8. Russian Medical Journal: http://www.rmj.rn
9. Journal "Pulmonology": http://www.pulmonology.rn .
Yu .All-Russian medical portal (information on medical books, textbooks,
orders, national projects): http://www.bibliomed.ru

10.Methodological guidelines for students on the development of the discipline

he training consists of contact work (168 hours), including a lecture course (42 hours) and practical classes (126 hours), independent work (84 hours) and intermediate certification (36 hours); in total -288 hours, which is 8 credits. In the process of studying the discipline of internal diseases, the foundations of clinical thinking, medical deontology are formed, skills are mastered in examining patients and making decisions about prescribing the necessary treatment, which is certainly important for a future doctor, regardless of the scope of his intended activity. The discipline "internal diseases" is a clinical discipline and is designed to solve the tasks of initial questioning and examination of a therapeutic patient, making a preliminary diagnosis, examination, differential diagnosis, establishing a detailed clinical diagnosis, determining indications for hospitalization, prescribing treatment, providing emergency care. Lectures are given by the professor and associate professors of the department on the most important topics of the discipline and are of a problematic nature. During their implementation, modern information technologies and technical training tools are used. Practical classes are held in the study rooms of the department, wards. In the presence of thematic patients, their clinical analysis is carried out. Classes are provided with the necessary visual tabular material, test tasks, situational tasks, radiographs, electrocardiograms, echocardiograms, game medical documentation. Phonendoscopes, tonometers, and a laptop are used in the course of classes. There are blocks of information for each section of the program. During the course of the discipline, students not only solve the tasks assigned to them to acquire knowledge and acquire the necessary practical skills and abilities, but also develop abilities, personal qualities that determine the professional behavior of a specialist. The main method of teaching is the student's independent work under the guidance of a teacher. In accordance with the requirements of the Federal State Educational Standard in the educational process, active and interactive forms of classes are used (problem lectures, lectures, contextual learning, business games), the proportion of classes conducted in interactive forms is at least 15% of classroom classes. Independent work of students provides for the study of a number of issues of the program during extracurricular time, preparation for the current, intermediate, final control of students, the performance of individual educational tasks and monitoring of their implementation. Each student is provided with access to the library collections of the Academy and the fund of methodological developments of the department. Methodological recommendations for independent training of students and methodological guidelines for teachers have been developed for each section of the discipline. Independent work with literature and writing a medical history form the ability to analyze medical and social problems, the ability to use natural science, biomedical and clinical information in practice in various types of professional and social activities. Current control (control of the study of a modular unit) is carried out at the beginning of classes (control of the initial level of knowledge), during classes (the degree of assimilation of individual elements of the discipline) and at the end of classes. The current control is carried out in the form of a set of the following measures: -oral interview on the current material -solving situational problems -test control -evaluation of additional research data -evaluation of manual actions during the examination of the patient -evaluation of the solution of deontological tasks related to the collection of information about a

particular patient and evaluation of the revealed subjective and objective data about his health. The control at the modular lesson is carried out in several stages: - test control - solution of a situational problem - evaluation of additional research data - oral answer to the teacher's questions At the end of the study of the discipline, an intermediate control of knowledge is carried out. Control of students' knowledge at the end of the 6th semester is carried out in the form of passing an exam in the amount corresponding to the program. When passing the exam, the final grade is affected by the received annual rating. Intermediate control (exam) the discipline includes: - an oral answer to the questions of the examination card - the solution of a situational problem Students interested in research activities actively participate in the student scientific circle

11.List of information technologies used in the implementation of the educational process in the discipline

The educational technologies used in the study of this discipline account for about 15% of interactive classes from the volume of classroom classes. Types of educational technologies: ■ Simulation: A) non-game simulation technologies: contextual learning B) game simulation technologies: role-playing business games ■ Non-simulation technologies: problem lecture, lecture-conversation Contextual learning is carried out throughout the entire period of teaching the discipline, especially during the SRS under the supervision of the teacher - knowledge, skills, skills are not given as a subject for memorization, and as a means of solving professional problems.

1. **Description of the material and technical base necessary for the implementation of the educational process in the discipline**

№ i/o	Name of the equipment	Quantity	Technical condition
1	**2**	**3**	**4**
Special equipment			
1.	Toshiba Projector (multimedia)	1	satisfactory
2.			
Office equipment			
3.	A laptop	2	satisfactory
4.	Computer	6	satisfactory

13. Conducting educational activities using e-learning and distance learning technologies

In the conditions of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow for face-to-face training, it is possible to study this discipline or part of it using e-learning and distance learning technologies.
Teaching the discipline in the situations described above will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, ongoing monitoring of academic performance, as well as intermediate certification of students, the platforms of the electronic information and educational environment of the academy and/ or other e-learning systems recommended for use at the academy, such as Moodle, Zoom, Webinar, etc. can be used.
Lectures can be presented in the form of audio, video files, "live lectures", etc.
Seminars and practical classes can be held on-line in both synchronous and asynchronous mode. Seminars can be held in the form of web conferences.