

**FEDERAL STATE BUDGET EDUCATIONAL
HIGHER EDUCATION INSTITUTION
"ROSTOV STATE MEDICAL UNIVERSITY"
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION**
Faculty of Treatment and Prevention



DISCIPLINE WORK PROGRAM

Propaedeutics of internal diseases

(Name)

Specialty 05/31/01 General Medicine

Full-time form of education

**Rostov-on-Don
2020**

I. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

Goals of mastering the discipline: training in classical and modern methods research of the patient, their use at the patient's bedside to establish a diagnosis and prescribe adequate therapy, the development of a doctor's clinical thinking, as well as the development of medical deontology and medical ethics.

Tasks:

medical activities:

preventing the occurrence of diseases among the population by carrying out preventive and anti-epidemic measures;

carrying out the collection and medical-statistical analysis of information on health indicators of the population of various age and sex groups, characterizing their health status;

diagnosis of diseases and pathological conditions of patients;

diagnosis of emergency conditions;

formation of motivation among the population, patients and members of their families aimed at preserving and strengthening their health and the health of others;

organizational and managerial activities:

application of the basic principles of organizing the provision of medical care in medical organizations and their structural divisions;

creation in medical organizations of favorable conditions for the stay of patients and the work of medical personnel;

maintaining medical records in medical organizations;

compliance with basic information security requirements;

II. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The process of studying the discipline is aimed at developing the following competencies in accordance with the Federal State Educational Standard of Higher Education and the EP of Higher Education in this specialty:

A) general cultural (OK)-

b) general professional (OPK):

GPC-1 - readiness to solve standard problems of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies and taking into account the basic requirements of information security;

OPK 4-ability and willingness to implement ethical and deontological principles in professional activities;

GPC 6 - readiness to maintain medical records; GPC-9 -

ability to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems;

GPC-11 - readiness to use medical devices provided for in the procedures for providing medical care;

c) professional (PC):

PC 1-ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation

healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development, as well as environmental factors aimed at eliminating the harmful effects on human health;

PC 5-readiness to collect and analyze the patient's complaints, his medical history, examination results, laboratory, instrumental, pathological-anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease;

PC 6 - the ability to determine the patient's main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, X revision;

PC 8-ability to determine tactics for managing patients with various nosological forms;

PC-10-readiness to provide medical care for sudden acute diseases, exacerbation of chronic diseases that are not accompanied by a threat to the patient's life and do not require emergency medical care;

PC 15-readiness to teach patients and their relatives basic hygienic measures of a health-improving nature, self-monitoring skills of basic physiological indicators that contribute to the preservation and strengthening of health, and disease prevention;

PC 20-readiness to analyze and publicly present medical information based on evidence-based medicine;

PC 21-ability to participate in scientific research;

II. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF EP VO

3.1. The academic discipline is the basic discipline.

3.2. To study this academic discipline, you need knowledge, skills and knowledge formed by the following previous ones:

- anatomy;
- normal physiology;
- histology, embryology, cytology;
- physics mathematics;
- biology;

3.3. List of subsequent academic disciplines that require knowledge, skills and knowledge formed by this academic discipline:

- faculty therapy;
- occupational diseases;
- hospital therapy;
- outpatient therapy;

**IV. CONTENT AND STRUCTURE OF DISCIPLINE The
complexity of the discipline in section 9, hour 324**

4.1. Sections of the discipline studied in semesters 5 and 6

No. chapter A	Section name	Number of hours					
		Total	Contact Job			SRO*	
			L	WITHETC	LR		
Semester 5							
1	Introduction. Methods organ research breathing	34	6	-	12	-	16
2	Methods for studying the circulatory organs	36	8	-	12	-	16
3	Methods for studying the gastrointestinal tract	36	8	-	12	-	16
4	Research methods urinary, endocrine, bone muscular, hematopoietic systems	38	10	-	12	-	16
	Intermediate form certification (pass, 4 z)	144	32		48		64
Semester 6							
5	Particular pathology of the respiratory system	32	4	-	12	-	16
6	Particular pathology of the cardiovascular system	36	8	-	12	-	16
7	Particular pathology of the gastrointestinal tract	38	10	-	12	-	16
8	Private pathology urinary, endocrine system, hematopoietic organs, musculoskeletal system, joints	38	10	-	12	-	16
		144	32		48		64
	<i>Intermediate form certification (exam)</i>	Exam 1 Z (36 hours)					
	<i>Total:</i>	324	64		96		128

4.2. Contact work

Lectures

No. Section la	No. Lek-tions	Lecture topics	Qty hours
Semester 5			
1	1	Propaedeutics of internal diseases. Introduction.	2
1	2	Methods for studying the respiratory organs.	2
1	3	Main clinical syndromes in pulmonology. Additional research methods in pulmonology	2
2	4	Questioning and examination of patients with diseases of the cardiovascular system.	2
2	5	Methods for studying the cardiovascular system	2
2	6	Auscultation of the heart	2
2	7	Additional methods for studying the cardiovascular system. Electrocardiographic research method. ECG interpretation plan. The concept of daily allowance	2
3	8	Questioning and examination of patients with diseases of the esophagus and stomach.	2
3	9	Questioning and examination of patients with intestinal diseases.	2
3	10	Questioning and objective methods of studying patients with pathologies of the liver, gall bladder, and pancreas.	2
3	eleven	Clinical and clinical laboratory syndromes in patients with liver diseases.	2
4	12	Questioning and examination of patients with diseases of the urinary organs. Percussion and palpation of the kidneys and bladder.	2
4	13	Symptomatology of some diseases of endocrine organs and metabolic diseases.	2
4	14	Methods for studying the musculoskeletal system and joints.	2
4	15	Questioning and examination of patients with diseases of the hematopoietic organs. Anemia	2

4	16	Methodology for constructing a diagnosis.	2
Semester 6			
5	1	Symptomatology of pneumonia. Symptomatology of pleurisy.	2
5	2	Symptomatology of bronchial asthma, chronic obstructive pulmonary disease.	2
6	3	Concept of rheumatism. Symptomatology of mitral heart defects. Tricuspid valve insufficiency (organic and functional). Symptomatology of aortic heart defects. ECG signs of ventricular and atrial myocardial hypertrophy.	2
6	4	The concept of atherosclerosis. Coronary heart disease: angina pectoris and acute myocardial infarction. ECG in acute myocardial infarction.	2
6	5	Arterial hypertension. Circulatory failure. The concept of the pulmonary heart. Acute vascular insufficiency	2
6	6	Electrocardiographic diagnosis of simple rhythm and conduction disorders.	2
7	7	Symptomatology of esophageal diseases. Functional dyspepsia. Symptomatology of gastritis, gastric ulcer and duodenal ulcer.	2
7	8	Syndromes of impaired digestion and absorption. Irritable bowel syndrome. Symptomatology inflammatory bowel diseases	2
7	9	Functional diseases of the gallbladder and biliary tract. Symptomatology of cholecystitis. Cholelithiasis. Pancreatitis.	2
7	10	Symptomatology of hepatitis and cirrhosis of the liver. Portal hypertension. Liver failure.	2
7	eleven	Modern laboratory and instrumental methods for studying the digestive organs. General understanding of endoscopic, ultrasound, x-ray and other instrumental research methods	2

8	12	Symptomatology of glomerulonephritis (acute and chronic). Nephrotic and nephritic syndromes. Chronic pyelonephritis. Chronic renal failure.	2
8	13	Diabetes. Thyrotoxic goiter. General ideas about adrenal insufficiency, hypo- and hypervitaminosis.	2
8	14	Symptomatology of some diseases of the musculoskeletal system and joints.	2
8	15	Symptomatology of leukemia. Hemorrhagic syndrome.	2
8	16	Diagnostic value of a clinical blood test. General understanding of sternal puncture, trepanobiopsy; interpretation of results. General idea of a coagulogram. Features of examination of patients with "allergosis". Anaphylactic shock	2

Practical work

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
Semester 5				
1	1	Main objectives of the course propaedeutics of internal diseases. Basic methods of clinical examination of a patient. Case history diagram. Questioning and examination for organ pathology breathing.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
1	2	Research method palpation. Palpation of the chest. Chest percussion: physical basis of the method.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)

No. Once- affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
1	3	Physical justification auscultation method. Auscultation of the lungs. Additional Methods respiratory examinations.	3	assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
1	4	Final lesson on organ research methods breathing	3	assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
2	5	Questioning for pathology circulatory organs. Pain syndrome. Examination of patients with circulatory diseases.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
2	6	Palpation and percussion in patients with diseases of the circulatory system.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
2	7	Auscultation of the heart. Study of arterial pulse and arterial pressure. Additional methods for studying the circulatory system. ECG diagnostic method.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
2	8	Final lesson on organ research methods blood circulation	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
3	9	Questioning patients with pathologies of the esophagus, stomach and intestines.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
3	10	Objective methods studies of patients with organ diseases digestion. Methods definitions of ascites.	3	Assessment of mastering practical skills (abilities), assessment based on results interviews (oral survey), grade By results test control (test tasks)
3	eleven	Questioning and objective methods for studying patients with pathologies of the liver, gallbladder, pancreas glands. Additional methods for studying the digestive organs.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
3	12	Final lesson on organ research methods digestion	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
4	13	Questioning and examining patients with organ diseases urination. Percussion and palpation of the kidneys and bladder.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
4	14	Symptomatology of some diseases of endocrine organs and metabolic diseases.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
4	15	Features of examination of patients with diseases of the musculoskeletal system and joints. Questioning and examining patients with organ diseases hematopoiesis.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
4	16	Final lesson. Methods for studying patients	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
Semester 6				
5	5 1	Symptomatology of pleurisy (dry and exudative). Hydrothorax. Pneumothorax. Bronchiectasis. Lung abscess. Lung cancer.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
5	5 2	Symptomatology of pneumonia. (focal and lobar). Diagnostic value of radiological and bronchopulmonary studies in pulmonology (general representation). Concept of computed tomography and magnetic resonance imaging tomography	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
5	5 3	Symptomatology of bronchial asthma. Symptomatology chronic obstructive pulmonary disease. Emphysema. The concept of insufficiency of external respiration function. Spirography, diagnostics obstructive and restrictive respiratory failure	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
5	5 4	Test lesson No. 1. "Symptomatology of respiratory diseases" (testing practical skills and theoretical knowledge)	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
6	6 5	Concept of rheumatism. Symptomatology of mitral heart defects. Tricuspid valve insufficiency (organic and functional). Symptomatology of aortic heart defects. Importance for diagnosis of EchoCG and FCG	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
6	6 6	The concept of atherosclerosis and its manifestations. Coronary heart disease: angina pectoris, myocardial infarction. Laboratory and instrumental diagnostics. ECG, EchoCG	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
6	6 7	Arterial hypertension. Circulatory failure (acute and chronic). The concept of the pulmonary heart. Acute vascular insufficiency	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)

No. Once- affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
6	6 8	Test lesson No. 2. “Symptomatology of diseases of the circulatory system.” (testing practical skills and theoretical knowledge)	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
7	7 9	Symptomatology of esophageal diseases. Functional dyspepsia. Symptomatology of gastritis, gastric ulcer and duodenal ulcer. Laboratory, X-ray and endoscopic diagnostics. Patient supervision - 1.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
7	7 10	Disturbed syndromes digestion and absorption. Irritable syndrome intestines. Symptomatology of inflammatory bowel diseases. Patient supervision - 2.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
7	7 eleven	Symptomatology of cholecystitis. Cholelithiasis. Pancreatitis. Symptomatology of hepatitis and cirrhosis of the liver. Jaundice syndromes. Portal hypertension. Hepatic failure. Laboratory and instrumental diagnostics.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
7	7 12	Test lesson No. 3. “Symptomatology of diseases of the digestive system” (testing practical skills and theoretical knowledge)	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
8	8 13	Symptomatology glomerulonephritis (acute and chronic). Nephrotic and nephritic syndromes. Chronic pyelonephritis. Chronic renal failure.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
8	8 14	Diabetes. Thyrotoxic goiter. General understanding of adrenal insufficiency, hypo- and hypervitaminosis.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
8	8 15	Symptomatology of anemia. Symptomatology of leukemia. Hemorrhagic syndrome. Diagnostic value of a clinical blood test. General idea of sternal puncture, trepanobiopsy; interpretation of results. General idea of the coagulogram.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on results test control (test tasks)
8	8 16	Test lesson No. 4. Analysis of student medical histories. Final control of practical skills in all methods of examining internal organs.	3	Assessment of the development of practical skills (abilities), assessment based on the results of an interview (oral survey), grade By results test control (test tasks)

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4.3. Independent work of students

No. Once-affairs	Type of independent work of students	Qty hours	Forms current control
Semester 5			

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
1	The main objectives of the course of propaedeutics of internal diseases. Basic methods of clinical examination of a patient. Case history diagram. Questioning and examination for respiratory pathologies.	4	Preparing for practical classes
1	The research method is palpation. Palpation of the chest. Chest percussion: physical basis of the method.	4	Preparing for practical classes
1	Physical justification of the auscultation method. Auscultation of the lungs. Additional methods for examining the respiratory system.	4	Preparing for practical classes
1	Final lesson on respiratory examination methods	4	Preparing for current control
2	Questioning for pathology of the circulatory system. Pain syndrome. Examination of patients with circulatory diseases.	4	Preparing for practical classes
2	Palpation and percussion in patients with diseases of the circulatory system.	4	Preparing for practical classes
2	Auscultation of the heart. Study of arterial pulse and blood pressure. Additional methods for studying the circulatory system. ECG is a diagnostic method.	4	Preparing for practical classes
2	Final lesson on methods of studying the circulatory organs	4	Preparing for current control
3	Questioning of patients with pathologies of the esophagus, stomach and intestines.	4	Preparing for practical classes
3	Objective methods for studying patients with diseases of the digestive system. Methods for determining ascites.	4	Preparing for practical classes
3	Questioning and objective methods of studying patients with pathologies of the liver, gall bladder, and pancreas. Additional Methods	4	Preparing for practical classes

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
3	Final lesson on methods of studying the digestive organs	4	Preparing for current control
4	Questioning and examination of patients with diseases of the urinary organs. Percussion and palpation of the kidneys and bladder.	4	Preparing for practical classes
4	Symptomatology of some diseases of endocrine organs and metabolic diseases.	4	Preparing for practical classes
4	Features of examination of patients with diseases of the musculoskeletal system and joints. Questioning and examination of patients with diseases of the hematopoietic organs.	4	Preparing for current control
4	Final lesson. Methods for studying patients	4	Preparing for current control
Semester 6			
5	Symptomatology of pleurisy (dry and exudative). Hydrothorax. Pneumothorax. Bronchiectasis. Lung abscess. Lung cancer.	4	Preparing for practical classes
5	Symptomatology of pneumonia. (focal and lobar). Diagnostic value of X-ray and bronchopulmonary studies in pulmonology (general concepts). Concept of computed tomography and magnetic resonance imaging	4	Preparing for practical classes
5	Symptomatology of bronchial asthma. Symptomatology of chronic obstructive pulmonary disease. Emphysema. The concept of insufficiency of external respiration function. Spirography, diagnosis of obstructive and restrictive respiratory failure	4	Preparing for practical classes
5	Test lesson No. 1. "Symptomatology of respiratory diseases" (examination practical skills and theoretical knowledge)	4	Preparing for current control

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
6	Concept of rheumatism. Symptomatology of mitral heart defects. Tricuspid valve insufficiency (organic and functional). Symptomatology of aortic heart defects. Importance for diagnosis of EchoCG and FCG	4	Preparing for practical classes
6	The concept of atherosclerosis and its manifestations. Coronary heart disease: angina pectoris, myocardial infarction. Laboratory and instrumental diagnostics. ECG, EchoCG	4	Preparing for practical activities,
6	Arterial hypertension. Circulatory failure (acute and chronic). The concept of the pulmonary heart. Acute vascular insufficiency	4	Preparing for practical classes
6	Test lesson No. 2. "Symptomatology of circulatory diseases." (examination practical skills and theoretical knowledge)	4	Preparing for current control
7	Symptomatology of esophageal diseases. Functional dyspepsia. Symptomatology of gastritis, gastric ulcer and duodenal ulcer. Laboratory, X-ray and endoscopic diagnostics. Patient supervision -	4	Preparing for practical classes
7	Syndromes of impaired digestion and absorption. Irritable bowel syndrome. Symptomatology of inflammatory bowel diseases. Patient supervision -2.	4	Preparing for practical classes
7	Symptomatology of cholecystitis. Cholelithiasis. Pancreatitis. Symptomatology of hepatitis and cirrhosis of the liver. Jaundice syndromes. Portal hypertension. Liver failure. Laboratory and instrumental diagnostics.	4	Preparing for practical classes
7	Test lesson No. 3. "Symptomatology of diseases of the digestive system" (examination practical skills and theoretical knowledge)	4	Preparing for current control

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
8	Symptomatology of glomerulonephritis (acute and chronic). Nephrotic and nephritic syndromes. Chronic pyelonephritis. Chronic renal failure.	4	Preparing for practical classes
8	Diabetes. Thyrotoxic goiter. General ideas about adrenal insufficiency, hypo- and hypervitaminosis.	4	Preparing for practical classes
8	Symptomatology of anemia. Symptomatology of leukemia. Hemorrhagic syndrome. Diagnostic value of a clinical blood test. General understanding of sternal puncture, trepanobiopsy; interpretation of results. General idea of the coagulogram.	4	Preparing for practical activities,
8	Test lesson No. 4. Analysis of student medical histories. Final control of practical skills in all methods of examining internal organs.	4	Preparing for current control

V. ASSESSMENT FUND FOR CURRENT CONTROL, INTERMEDIATE CERTIFICATION

Fund of assessment tools for determining the level of competence development as a result of mastering the discipline, it is an appendix to the work program.

VI. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF DISCIPLINE

6.1. Main literature.

1. Grebenev A.L. Propaedeutics of internal diseases: textbook / A.L. Grebenev. – 6th ed., revised. and additional – M.: Shiko, 2011. – 655 p.
2. Ivashkin V.T., Propaedeutics of internal diseases: textbook / V. T. Ivashkin; edited by A.V. Okhlobystina. - M.: GEOTAR-Media, 2020. - 784 p. - ISBN 978-5-9704-5698-9 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970456989.html>
3. Propaedeutics of internal diseases in drawings, tables and diagrams: textbook. manual / ed. A. N. Kulikova, S. N. Shulenina. - M.: GEOTAR-Media, 2016. - 624 p. -ISBN 978-5-

9704-3922-7 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970439227.html>

6.2. Additional literature.

1. Propaedeutics of internal diseases. Pulmonology
Ivashkin V.T., Propaedeutics of internal diseases. Pulmonology: textbook / Ivashkin V.T., Drapkina O.M. - M.: GEOTAR-Media, 2011. - 176 p. - ISBN 978-5-9704-1962-5 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970419625.html>
2. Ivashkin V.T., Propaedeutics of internal diseases. Cardiology: textbook / Ivashkin V.T., Drapkina O.M. - M.: GEOTAR-Media, 2011. - 272 p. - ISBN 978-5-9704-1963-2 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970419632.html>
3. Ivashkin V.T., Propaedeutics of internal diseases. Gastroenterology: textbook / Ivashkin V.T., Drapkina O.M. - M.: GEOTAR-Media, 2012. - 160 p. - ISBN 978-5-9704-2279-3 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970422793.html>
4. Ivashkin V.T., Propaedeutics of internal diseases. Nephrology: textbook. allowance / Ivashkin V.T., Drapkina O.M. - M.: GEOTAR-Media, 2013. - 184 p. - ISBN 978-5-9704-2717-0 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970427170.html>
5. Svistov A.S., Propaedeutics of internal diseases: textbook / Svistov A.S., Malov Yu.S., Shulenin S.N. and others - M.: Medicine, 2005. - 536 p. - ISBN 5-225-04674-6 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN5225046746.html>
6. Mukhin N.A., Propaedeutics of internal diseases: textbook / Mukhin N.A., Moiseev V.S. - M.: GEOTAR-Media, 2020. - 848 p. - ISBN 978-5-9704-5327-8 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970453278.html>
7. Kulikov A.N., Propaedeutics of internal diseases in drawings, tables and diagrams: textbook. manual / ed. A. N. Kulikova, S. N. Shulenina. - M.: GEOTAR-Media, 2016. - 624 p. - ISBN 978-5-9704-3922-7 - Text: electronic // EBS "Student Consultant": [website]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970439227.html>

6.3. Internet resources

	ELECTRONIC EDUCATIONAL RESOURCES	Access to the resource
1.	Electronic library RostSMU. – URL: http://109.195.230.156:9080/opac/	Access is not limited
2.	Student Advisor: EBS. – Moscow: LLC "IPUZ". -URL: http://www.studmedlib.ru	Access is not limited
3.	Doctor's consultant. Electronic medical library: EBS. – Moscow: LLC GC "GEOTAR". - URL: http://www.rosmedlib.ru	Access is not limited
4.	UpToDate: DB /Wolters Kluwer Health. – URL: www.uptodate.com	Access is not limited
5.	Consultant Plus: reference legal system. -URL: http://www.consultant.ru	Access from university computers
6.	Scientific electronic library eLIBRARY. - URL: http://elibrary.ru	Open access
7.	National Electronic Library. - URL: http://neb.rf/	Access from computers libraries
8.	Scopus/Elsevier Inc., Reed Elsevier. – Philadelphia: Elsevier BV, PA. – URL: http://www.scopus.com/ <i>(National project)</i>	Access is not limited
9.	Web of Science / Clarivate Analytics. - URL: http://apps.webofknowledge.com <i>(National project)</i>	Access is not limited
10.	ScienceDirect. Freedom Collection [magazines] /Elsevier. – URL: www.sciencedirect.com by IP addresses of RostSMU. <i>(National project)</i>	Access is not limited
eleven.	Springer Nature database. - URL: http://link.springer.com/ by IP addresses of RostSMU. <i>(National project)</i>	Access is not limited
12.	Wiley Online Library / John Wiley & Sons. - URL: http://onlinelibrary.wiley.com by IP addresses of RostSMU. <i>(National project)</i>	Access from university computers
13.	Single window of access to information resources. http://window.edu.ru/ - URL:	Open access
14.	Russian education. Federal educational portal. - URL: http://www.edu.ru/index.php	Open access
15.	ENVOС.RU English vocabulary]: educational site for English learners. language - URL: http://envoc.ru	Open access
16.	Federal Electronic Medical Library of the Russian Ministry of Health. - URL: http://www.femb.ru/feml/ , http://feml.scsm1.rssi.ru	Open access
17.	Medline (PubMed, USA). – URL: https://www.ncbi.nlm.nih.gov/pubmed/	Open access
18.	Free Medical Journals. - URL: http://freemedicaljournals.com	Open access
19.	Free Medical Books. - URL: http://www.freebooks4doctors.com/	Open access
20.	International Scientific Publications. –URL: https://www.scientific-publications.net/ru/	Open access
21.	CyberLeninka: scientific electron. beep. -URL: http://cyberleninka.ru/	Open access
22.	Archive scientific magazines / NEICON. - URL: https://archive.neicon.ru/xmlui/	Open access
23.	Open access journals in Russian / platformEIPub NEICON. – URL: https://elpub.ru/	Open access

24.	Medical Herald South Russia. - URL: https://www.medicalherald.ru/jour or from the RostSMU website	Open access
25.	World Health Organization. - URL: http://who.int/ru/	Open access
26.	Evrika.ru information and educational portal for doctors. - URL: https://www.evrika.ru/	Open access
27.	Med-Edu.ru: medical video portal. - URL: http://www.med-edu.ru/	Open access
28.	Univadis.ru: international honey. portal. - URL: http://www.univadis.ru/	Open access
29.	DoctorSPB.ru: information-reference portal about medicine. - URL: http://doctorspb.ru/	Open access
thirty.	Modern problems of science and education: electron. magazine. - URL: http://www.science-education.ru/ru/issue/index	Open access
31.	Rubricator of clinical recommendations Ministry of Health of Russia. -URL: http://cr.rosminzdrav.ru/#/	Open access
32.	Education on Russian: portal / State. Institute of Russian language them. A.S. Pushkin. - URL: https://pushkininstitute.ru/	Open access
	Other Open resources can be found at: http://rostgmu.ru → Library → Electronic catalogue → Open Internet resources → further by keyword...	

VII. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

7.1. Educational and laboratory equipment: multimedia installation, tape recorder, computer, laptop, multimedia presentations, audio system with microphone, LCD TV, DVD player, equipment of the Simulation Training Center (auscultation training simulator, adult heart and lung auscultation unit, Harvey cardiac patient physical examination simulator, Sam II student auscultation manikin).

7.2. Technical and electronic means: presentations, educational films, X-ray viewer, spiograph, electrocardiograph, albums of ECG films, albums of ultrasound results, radiographs, a set of blood, urine, and sputum tests.

