

FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION
OF HIGHER EDUCATION
"ROSTOV STATE MEDICAL UNIVERSITY"
MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

Faculty of Education of foreign students, residents and postgraduates

Supervisor
educational program

(signature)

CONFIRM

E.S. Belousova /
(FULL NAME.)

" 30 " *августа* 20_23

DISCIPLINE WORKING PROGRAM

PROPAEDEUTICS OF INTERNAL DISEASES

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don
2023

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:

general professional (OPK):

OPK-4 Able to use medical devices provided for in the procedure for providing medical care, as well as conduct examinations of the patient in order to establish a diagnosis;

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 7, hour 252

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	WITH	ETC	LR	
Semester 5							
1	Introduction. Methods respiratory examinations	34	6	-	12	-	7
2	Methods for studying the circulatory organs	36	8	-	12	-	7
3	Methods for studying the gastrointestinal tract	36	8	-	12	-	7
4	Research methods urinary, endocrine, bone muscular, hematopoietic systems	38	10	-	12	-	7
	Total for semester 5 (3 z)	108	32		48		28
	Intermediate form certification (test)						
Semester 6							
5	Particular pathology of the respiratory system	32	4	-	12	-	7
6	Particular pathology of the cardiovascular system	36	8	-	12	-	7
7	Particular pathology of the gastrointestinal tract	38	10	-	12	-	7

8	Private pathology urinary, endocrine system, hematopoietic organs, bone-muscular system, joints	38	10	-	12	-	7
	Total for semester 6 (3 z)	108	32		48		28
	Intermediate form certification (exam)	Exam 1 Z (36 hours)					
	<i>Total for the discipline (7 z):</i>	252	64		96		56

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	elevan	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 of 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 respiratory pathologies.	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	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)
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)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
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)
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 the development of practical skills (abilities), assessment based on the results of an interview (oral survey), assessment based on the results of 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)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
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)
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	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)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
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)
5	3	Symptomatology of bronchial asthma. Symptomatology chronic obstructive pulmonary disease. Emphysema. Concept of deficiency external respiration functions. Spirography, diagnosis of 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	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	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	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)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
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)
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	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	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	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)

No. Once-affairs	No. ETC	Topics of practical work	Number in hours	Forms of current control
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
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	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	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	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), assessment based on the results of 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			
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.	1	Testing, oral survey
1	The research method is palpation. Palpation of the chest. Chest percussion: physical basis of the method.	1	Testing, oral survey
1	Physical justification of the auscultation method. Auscultation of the lungs. Additional methods for examining the respiratory system.	2	Testing, oral survey
1	Final lesson on respiratory examination methods	3	Testing, oral survey
2	Questioning for pathology of the circulatory system. Pain syndrome. Examination of patients with circulatory diseases.	1	Testing, oral survey
2	Palpation and percussion in patients with diseases of the circulatory system.	1	Testing, oral survey
2	Auscultation of the heart. Study of arterial pulse and blood pressure. Additional methods for studying the circulatory system. ECG is a diagnostic method.	2	Testing, oral survey
2	Final lesson on methods of studying the circulatory organs	3	Testing, oral survey
3	Questioning of patients with pathologies of the esophagus, stomach and intestines.	1	Testing, oral survey
3	Objective methods for studying patients with diseases of the digestive system. Methods for determining ascites.	1	Testing, oral survey

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
3	Questioning and objective methods of studying patients with pathologies of the liver, gall bladder, and pancreas. Additional Methods	2	Testing, oral survey
3	Final lesson on methods of studying the digestive organs	3	Testing, oral survey
4	Questioning and examination of patients with diseases of the urinary organs. Percussion and palpation of the kidneys and bladder.	1	Testing, oral survey
4	Symptomatology of some diseases of endocrine organs and metabolic diseases.	1	Testing, oral survey
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.	2	Testing, oral survey
4	Final lesson. Methods for studying patients	3	Tested aniyе, oral survey
Semester 6			
5	Symptomatology of pleurisy (dry and exudative). Hydrothorax. Pneumothorax. Bronchiectasis. Lung abscess. Lung cancer.	1	Testing, oral survey
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	1	Testing, oral survey
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	2	Testing, oral survey

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
5	Test lesson No. 1. "Symptomatology of respiratory diseases" (examination practical skills and theoretical knowledge)	3	Testing, oral survey
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	1	Testing, oral survey
6	The concept of atherosclerosis and its manifestations. Coronary heart disease: angina pectoris, myocardial infarction. Laboratory and instrumental diagnostics. ECG, EchoCG	1	Testing, oral survey
6	Arterial hypertension. Circulatory failure (acute and chronic). The concept of the pulmonary heart. Acute vascular insufficiency	2	Testing, oral survey
6	Test lesson No. 2. "Symptomatology of circulatory diseases." (examination practical skills and theoretical knowledge)	3	Testing, oral survey
7	Symptomatology of esophageal diseases. Functional dyspepsia. Symptomatology of gastritis, gastric ulcer and duodenal ulcer. Laboratory, X-ray and endoscopic diagnostics. Patient supervision - 1.	1	Testing, oral survey
7	Syndromes of impaired digestion and absorption. Irritable bowel syndrome. Symptomatology of inflammatory bowel diseases. Patient supervision -2.	1	Testing, oral survey
7	Symptomatology of cholecystitis. Cholelithiasis. Pancreatitis. Symptomatology of hepatitis and cirrhosis of the liver. Jaundice syndromes. Portal hypertension. Liver failure. Laboratory and instrumental diagnostics.	2	Testing, oral survey

No. Once- affairs	Type of independent work of students	Qty hours	Forms current control
7	Test lesson No. 3. "Symptomatology of diseases of the digestive system" (examination practical skills and theoretical knowledge)	3	Testing, oral survey
8	Symptomatology of glomerulonephritis (acute and chronic). Nephrotic and nephritic syndromes. Chronic pyelonephritis. Chronic renal failure.	1	Testing, oral survey
8	Diabetes. Thyrotoxic goiter. General ideas about adrenal insufficiency, hypo- and hypervitaminosis.	1	Testing, oral survey
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.	2	Testing, oral survey
8	Test lesson No. 4. Analysis of student medical histories. Final control of practical skills in all methods of examining internal organs.	3	Testing, oral survey

V. ASSESSMENT MATERIALS FOR CURRENT CONTROL, INTERMEDIATE CERTIFICATION

Assessment materials for determining the level of development of competencies as a result of mastering the discipline are an appendix to the work program.

VI. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF DISCIPLINE

6.1. Printed publications

1. Grebenev A.L. Propaedeutics of internal diseases: textbook / A.L. Grebenev. – 6th ed., revised. and additional – M.: Shiko, 2011. – 655 p.

6.2. Internet resources

1. 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>
2. 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>
3. 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>
4. 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>
5. 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>
6. 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>
7. 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>
8. 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>
9. 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>

	ELECTRONIC EDUCATIONAL RESOURCES	Access to the resource
	Electronic library RostSMU. - URL: http://109.195.230.156:9080/opacg/	Access is not limited
	Student Advisor [Kits: "Medicine. Healthcare. IN"; "Medicine. Healthcare. SPO"; "Psychological Sciences"]: Electronic library system. - Moscow: Politekhresurs LLC. - URL: https://www.studentlibrary.ru + opportunities for inclusive education	Access is not limited
	Doctor's consultant. Electronic medical library: Electronic library system. - Moscow: LLC "Higher School of Organization and Management of Healthcare. Comprehensive medical consulting." - URL: http://www.rosmedlib.ru + opportunities for inclusive education	Access is not limited
	Scientific electronic library eLIBRARY. - URL: http://elibrary.ru	Open access
	National Electronic Library. - URL: http://neb.rf/	Access computers libraries
	Russian education. Single window of access: federal portal.-URL: http://www.edu.ru/ . - New educational environment.	Open access
	Federal Center for Electronic Educational Resources. - URL: http://srtv.fcior.edu.ru/	Open access
	Electronic Library of the Russian Foundation for Basic Research(RFBR). -URL: http://www.rfbr.ru/rffi/ru/library	Open access
	Federal Electronic Medical Library of the Russian Ministry of Health. - URL: https://femb.ru/femb/	Open access
	Cochrane Library: official website ; chapter "Open Access". - URL: https://cochranelibrary.com/about/open-access	Content open access
	Cochrane Russia : Russian department Cochrane cooperation/RMANPO. - URL: https://russia.cochrane.org/	Content open access
	Webmedinfo.ru: website [open information and educational medical resource]. - Moscow. - URL: https://webmedinfo.ru/	Open access
	Univadis from Medscape: international honey. portal. -URL: https://www.univadis.com/ [Regularly updated database of unique information and educational medical resources].	Free registration
	Med-Edu.ru: medical educational video portal. -URL: http://www.med-edu.ru/ . Free registration.	Open access
	Doctor's world: professional portal [information resource for doctors and students]. - URL: https://mirvracha.ru .	Free registration
	DoctorSPB.ru: information-reference portal about medicine [for students and doctors]. - URL: http://doctorspb.ru/	Open access

With

	BEARWEST :Russian doctor portal [library, database knowledge]. - URL: https://medvestnik.ru	Open access
	PubMed : electronic search engine [for biomedical research from the National Center for Biotechnology Information (NCBI, USA)]. - URL: https://pubmed.ncbi.nlm.nih.gov/	Open access
	Cyberleninka Open Science Hub : open scientific electronic library of publications in foreign languages. – URL: https://cyberleninka.org/	Content open that access
	Scientific heritage of Russia : eelectronic library / MSC RAS. - URL: http://www.e-heritage.ru/	Open access
	Russian doctor : website [news for doctors and medical archive. magazines]/ID "Russian doctor". - URL: https://rusvrach.ru/	Open access
	South Russian Journal of Therapeutic Practice /RostSMU. – URL: http://www.therapeutic-j.ru/jour/index	Open access
	Categories clinical recommendations of the Russian Ministry of Health. -URL: https://cr.minzdrav.gov.ru/	Open access
	FBUZ " Information and methodological center » Rospotrebnadzor: official website. – URL: https://www.crc.ru	Open access
	Ministry of Health of the Russian Federation : official website. - URL: https://minzdrav.gov.ru	Open access
	World Health Organization : official website. -URL: http://who.int/ru/	Open access
	Ministry of Science and Higher Education Russian Federation: official website. - URL: http://minobrnauki.gov.ru/ (Yandex search engine)	Open access

6.3. Guidelines for students on mastering the discipline

Fall semester

1	Clinical diagnosis of respiratory diseases: educational manual / comp.: G.N. Tarasova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia. – Rostov n/d: Publishing house of Rostov State Medical University, 2015. – 92 p.	2015
2	Study of the circulatory system. Questioning and examination of the patient with additional diagnostic criteria: Bogatyrev V.G. - educational and methodological manual / V.G. Bogatyrev, A.A. Alekseev; / Federal State Budgetary Educational Institution of Higher Education Rost State Medical University of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases. – Rostov n/d: Publishing house of Rostov State Medical University, 2018. – 47 p.	2018
3	Objective examination of patients. Circulatory system: educational method. allowance / E.N. Veselova, V.A. Kosenko, V.G. Bogatyrev. - State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases. - Rostov n/D: Publishing House of Rost State Medical University, 2016. – 72 p.	2016
4	Clinical gastroenterology: educational and methodological manual / compiled by: A.V. Tkachev, G.N. Tarasova, K.E. Mazovka [and others]; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia. – Rostov n/d: Publishing house of Rostov State Medical University, 2015. – 92 p.	2015
5	Educational and methodological manual: "Study of the objective status of the abdominal organs," 2013. Authors: Associate Professor of the Department of Propaedeutics of Internal Diseases, prof. RAE V. G. Bogatyrev., head. Department of Propaedeutics of Internal Medicine, Doctor of Medical Sciences, Professor Tkachev A.V.	2013
6	Physical examination of lymph nodes: educational and methodological recommendations for 3rd year students of all faculties.	1999-2000
7	Tkachev A.V., Mkrtychyan L.S., Burnasheva E.V., Mazovka K.E., Devlikamova T.A. Fundamentals of hematology: a textbook for students / Tkachev A.V., Mkrtychyan L.S., Burnasheva E.V., Mazovka K.E., Devlikamova T.A. - Federal State Budgetary Educational Institution of Higher Education Rost State Medical University of the Russian Ministry of Health. Department of Propaedeutics of Internal Diseases - Rostov-on-Don: Publishing House of Rostov State Medical University, 2017. – 91 p.	2017
8	Physical methods of studying patients with pathology of the musculoskeletal system: educational and methodological developments.	2003

Spring semester

1	Clinical diagnosis of respiratory diseases: educational manual / comp.: G.N. Tarasova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia. – Rostov n/d: Publishing house of Rostov State Medical University, 2015. – 92 p.	2015
2	natural pathology of the respiratory system. Chronic obstructive pulmonary disease. Bronchial asthma: textbook and method. manual / comp.: A.V. Tkachev, L.A. Dudareva, E.N. Veselova, E.G. Bokhanova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia. – Rostov n/d: Publishing house of Rostov State Medical University, 2016. – 57 p.	2016
3	Rheumatic heart disease. Acquired heart defects: Methodological recommendations / compiled by: A.V. Tkachev, E.N. Veselova, A.M. Aslanov; Federal State Budgetary Educational Institution of Higher Education Rost State Medical University of the Ministry of Health of Russia, department	2021

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4	Basic clinical and electrocardiographic syndromes (circulatory system): textbook / V.G. Bogatyrev, L.S. Mkrtychyan, N.Yu. Maksimenko, [etc.]; State Budgetary Educational Institution of Higher Professional Education RostSMU of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases - Rostov-on-Don: Publishing House of RostSMU, 2016. - 116 p.	2016
5	Scheme and methodology for writing a medical history: educational method. ed. / Methodological recommendations./ E.N. Veselova, L.A. Dudareva, A.V. Tkachev, G.N. Tarasova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia, department. propaedeutics of internal diseases - Rostov-n/D: Publishing house of Rostov State Medical University, 2015. - 49 p.	2015
6	Introduction to private hepatology: textbook / L.S. Mkrtychyan, K.E. Mazovka, A.V. Tkachev [and others]; - State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases. - Rostov-on-Don: Rostov State Medical University Publishing House, 2016. - 100 p.	2016
7	Diabetes. Thyrotoxicosis. Methodological recommendations./ L.A. Dudareva, A.V. Tkachev, G.N. Tarasova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia, department. propaedeutics of internal diseases - Rostov - n/d: Publishing house of Rostov State Medical University, 2006 - 47 p.	2006
8	Tkachev A.V., Mkrtychyan L.S., Burnasheva E.V., Mazovka K.E., Devlikamova T.A. Fundamentals of hematology: a textbook for students / Tkachev A.V., Mkrtychyan L.S., Burnasheva E.V., Mazovka K.E., Devlikamova T.A. - Federal State Budgetary Educational Institution of Higher Education Rost State Medical University of the Russian Ministry of Health. Department of Propaedeutics of Internal Diseases - Rostov-on-Don: Publishing House of Rostov State Medical University, 2017. - 91 p.	2017
9	Emergency conditions in the clinic of internal diseases. Diagnostics and first aid: textbook / A.V. Tkachev, G.N. Tarasova, E.E. Alekseev [and others]; editor: A.V. Tkachev, G.N. Tarasova; State Budgetary Educational Institution of Higher Professional Education Rost State Medical University of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases. - Rostov N/D, Department of Propaedeutics of Internal Diseases: Publishing House of Rostov State Medical University, 2016. - 102 p.	2016
10	Private pathology. Circulatory system: a textbook for students / Bogatyrev V.G., Veselova E.N., Aslanov A.M., Alekseev E.E., Takidze L.T. - Federal State Budgetary Educational Institution of Higher Education Rost State Medical University of the Russian Ministry of Health. Department of Propaedeutics of Internal Diseases - Rostov-on-Don: Publishing House of Rostov State Medical University, 2022. - 149 p.	2022
eleven	Private pathology. Respiratory system: a textbook for students / comp.: A.V. Tkachev, L.S. Mkrtychyan, K.E. Mazovka and others; Federal State Budgetary Educational Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia, Department of Propaedeutics of Internal Diseases - Rostov-on-Don: Publishing House RostGMU, 2022.-108 p.	2022

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,

simulator for physical examination of cardiac patient Harvey, student auscultation manikin Sam II).

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

