


Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of the discipline		



APPROVED BY
by the decision of the Academic Council of the USU
Institute of Medicine, Ecology and Physical Culture
17.05. 2023 Record No. 9/250

Chairman _____ / Midlenko V.I.
(Signature, Name)
May, 17, 2023.

EDUCATIONAL PLAN

Discipline	Faculty therapy
Faculty	Medical faculty of T.Z. Biktimirov
Name of department	Faculty therapy
Course	4

Direction (specialty) 31.05.01 General medicine

the code of the direction (specialty), full name

Orientation (profile/specialty) not provided

full name

Form of training full-time _____

full-time, part-time, part-time (specify only those that are being implemented)

Date of introduction into the academic process at Ulyanovsk State University 01.09.23

Revised at the Department meeting, Record No. 9 of 16.04.2024

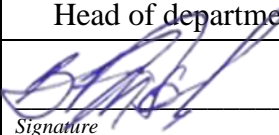
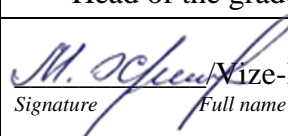
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Information about the authors:

Initials	Abbreviation of the department	Degree, scientific rank
Pavlova J.M.	Faculty therapy	PHD, Associate Professor of the Department

Agreed	Agreed
Head of department, developing discipline	Head of the graduating Department
 /Ruzov V.I. Signature Full name	 /Nize-Khripunova M.A. / Signature Full name
April, 28, 2023	April, 28, 2023

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1. OBJECTIVES AND AIM OF THE DISCIPLINE STUDY.

The objective is to teach students the methods of diagnosis, detection, treatment and prevention of the most common diseases of internal organs in patients.

Aims of the discipline mastering are:

- hands-on training of case management in order to master the technics of examination data collection in patients with therapeutic pathology;
- to teach competent to collect complaints and history of disease, to identify leading syndromes;
- to suggest a version of the preliminary diagnosis and be able to justify each position based on the symptoms.
- make a survey plan, as well as analyze and interpret the obtained laboratory and instrumental data;
- master the methods of diagnosis and differential diagnosis in cardiology, pulmonology, gastroenterology, hepatology;
- according to physical and paraclinical data, modern classifications, formulate and justify the final clinical diagnosis, its complications, as well as concomitant diagnoses;
- to know the standards of diagnosis and treatment of the studied diseases, international and Russian clinical guidelines for the diagnosis and treatment of the studied diseases;
- to know the most important principles of treatment, including differentiated therapy from the standpoint of evidence-based medicine in cardiology, pulmonology, gastroenterology – to be able to make a treatment plan for the patient (with a prescription); to know the main contraindications to prescribing medications, side effects of medications; to solve issues of temporary and permanent disability of the patient;
- to carry out preventive measures for the studied diseases, to know the primary and secondary prevention of diseases;
- to assess the forecast for life, work ability and recovery;
- to know the pathogenesis of the main clinical syndrome complexes in the clinic of internal diseases;
- to know the complications, clinical manifestations of complications of the studied diseases, to diagnose and provide emergency care for complications of diseases;
- to know the indications for surgical intervention in diseases of the heart, lungs and digestive organs;
- to know the clinic, classification and early diagnosis of tumors of the lung, liver, pancreas, gastrointestinal tract.


2. PLACE OF THE SUBJECT IN THE STRUCTURE OF GEP

The discipline "Faculty therapy" belongs to the basic (mandatory) part of block 1 of the specialty according to the Federal State Educational Standard 3++ HE № 988 from 12.08.2020 and the Working curriculum of the specialty 31.05.01 "General medicine" section B1.O.28, approved by the Chancellor of Ulyanovsk State University (protocol № 8/238 from 14.04.2022).

To master these sections, students must have knowledge, skills and competencies of the basic and variable parts of the GEP of the Federal State Educational Standard 3++ HE (2020).

Normal and pathological anatomy, normal and pathological physiology, biological chemistry, pharmacology and propaedeutics of internal diseases precede the study of faculty therapy. Knowledge, skills and competencies in these disciplines are determined by the requirements for their development at the previous departments and are controlled by the determination of the input knowledge of the study of internal diseases.


The section is prior to the following disciplines: hospital therapy, clinical pharmacology, outpatient therapy, phthysiology, endocrinology; infectious diseases.

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3. LIST OF EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (UNIT), CORELATED WITH PLANNED RESULTS OF COMPLETING THE PROGRAM

The study of the subject «Faculty therapy» within the completion of the educational program is directed towards the formation of the following general and professional competences in students:

Code and name of the general professional competence	Code and name of the indicator of achievement of general professional competence
<p>GPC-7 Ability to appoint treat and carry out control of it efficiency and safety</p>	<p>Indicator for achieving -1 (IfA) To know the classification and main characteristics of medicines, pharmacodynamics and pharmacokinetics; dosage methods, indications and contraindications for prescribing drugs, side effects IfA - 2 To be able to analyze the medicines effect according to the combination of their pharmacological properties and the possibility of their use for treatment depending on age. Can select right medicines that fit the illnesses profile, according to health care standards; assess the effectiveness of treatment safety at all stages of its implementation; administer drugs in appropriate dosages using generic international drug name. IfA - 3 Master the rules of filling in prescription forms, to have a practice in the framework how to use theoretical knowledge of medical applications of drugs, other substances and their combinations in solving professional problems.</p>
<p>PC-2 Readiness to collect and analyze of patient complaints, his medical history, examination results, laboratory, instrumental, pathoanatomical and other studies data to recognize the condition or determinate presence or absence malady</p>	<p>IfA - 1 To know the diagnostic value of the changes revealed in the patient's clinical trial and during the laboratory-tool diagnostics, pathology and other studies. IfA - 2 Be able to conduct a survey, physical examination of the patient; interpret the results of laboratory and instrumental diagnostics and use them to justify a clinical diagnosis; interpret the data of pathoanatomic and other studies. IfA - 3 Master the methods of clinical examination of the patient, the interpretation of the results of additional research methods, the justification of the preliminary and clinical diagnosis; the skill of comparing morphological and clinical manifestations of diseases.</p>
<p>PC-5 Ability and readiness to implement a set of measures aimed at protecting and advancing, including the encourage a healthy lifestyle, prevention of the disease occurrence</p>	<p>IfA - 1 To know the regulations governing the conduct of medical examinations, including preventive medical examinations in connection with physical training and sports, medical check-ups and follow-up, medical rehabilitation, health support and medical care. To know the basic principles of</p>

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and (or) distribution, their early diagnosis, identifying the causes and conditions under which they appear and develop, as well as a range of activities aimed at eliminating the harmful effects on public health of the environment	<p>preventive care in accordance with the current clinical guidelines (treatment protocols), medical procedures and standards of medical care</p> <p>IfA - 2 Be able to carry out preventive work to promote a healthy lifestyle, exercise and sports; discarding unhealthy habits; form a set of measures to improve the quality of life of patients;</p> <p>IfA - 3 Should be familiar with the techniques of organization and holding preventive medical check-ups; the techniques of organization and controlling the immunoprophylaxis of infectious diseases. To have the skills in health education for various age and gender groups.</p>
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4. Volume of the subject

4.1. Volume of the subject in credit points (total): 6 credit points


4.2. On types of academic workload (in hours): 216

Type of academic work	Number of hours (full-time study)		
	Total according to the plan	Including on semesters	
		№ semester 7	№ semester 8
1	2	3	4
Work of students with a teacher	122	72	50
Classes:	122	72	50
lectures	20	10	10
practical classes and seminars	102	62	40
lab classes (practical lessons)	-	-	-
Self-study work	58	36	22
Concurrent control (number and type: a test, a colloquium, a report)	a medical case report	-	a medical case report
Course paper	-	-	-
Types of intermediate attestation (examination, test)	exam 36		exam 36
Total number of hours on the subject	216	108	108


4.3. Contents of the discipline (module). Distribution of hours on themes and kinds of study: Number of hours – 216 h

The form of training: full time

Name of sections and themes	Total	Activity format					Form of current control
		Classroom studies			Inter active classes	Self-study work	
		lect.	pract.cl.	Laboratory work			
1	2	3	4	5	6	7	8

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Section 1. Cardiology								
1.	Arterial hypertension.	12	2	6	-	-	4	
2.	Atherosclerosis. Ischemic heart disease. Angina pectoris. Other form of angina.	12	2	6	-	-	4	
3.	Ischemic heart disease. Acute coronary syndrome. Unstable angina. Myocardial infarction.	12	2	6	-	-	4	
4.	Acute rheumatic fever. Chronic rheumatic heart disease.	9	1	6	-	-	2	
5.	Infective endocarditis.	9	1	6	-	-	2	
6.	Acquired heart defects: Mitral and tricuspid valve disease .	8	1	3	-	-	4	
7.	Acquired heart defects: Aortic valve disease.	8	1	3	-	-	4	
8.	Heart failure.	10	2	6	-	-	2	
Section 2. Pulmonology								
9.	Acute pneumonia.	9	1	6	-	-	2	
10	Chronic obstructive pulmonary disease (COPD).	11	1	6	-	-	4	
11	Bronchial asthma	9	1	6	-	-	2	
12	Suppurative lung diseases.	8	-	6	-	-	2	
13	Cor pulmonale. Pulmonary hypertension.	9	1	6	-	-	2	
Section 3. Gastroenterology								
14	Chronic gastritis.	6	1	3	-	-	2	
15	Peptic ulcer.	6	1	3	-	-	2	
16	Diseases of the biliary system	6	1	3	-	-	2	
17	Chronic pancreatitis.	6	1	3	-	-	2	

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18	Chronic inflammatory bowel disease (CIDD): Crohn's disease, ulcerative colitis.	8	0	6	-	-	2	
19	Chronic hepatitis.	5	0	3	-	-	2	
20	Cirrhosis of the liver.	5	0	3	-	-	2	
Section 4. Patient assessment and management. Interactive learning forms								
21	Case management. Medical history defense.	9	-	3	-	8	6	
22	Simulation-based training.	3	-	3	-	8	-	
	Final exam	36	-	-	-	-	-	
	TOTAL by discipline	216/6 ZET	20	102		16	58	


If it is necessary to use partially or exclusively distance learning technologies in the educational process, it should be noted that the total number of hours (c.u.) set by the Department of discipline/specialty for each discipline/practice remains unchanged and is implemented in full. In this case, in the corresponding section of the educational program the total number of hours of work with students in accordance with the educational plan is allocated and the number of hours for conducting classes in a remote format using e-learning (online courses, lectures and seminars in videoconference mode, virtual practical classes, laboratory work in the form of virtual analogues, calculation and graphic works, individual tasks in the electronic information and educational environment, etc.) Learning hands-on training and practice of work experience for all areas of discipline/specialties of all forms of training can be partially or fully implemented in a remote format.

5. COURSE CONTENT

Section 1. Cardiology.

Topic 1. Hypertension. Definition. Current state of the problem. Etiology, risk factors (stratification), pathogenesis, modern classification, pathology, clinical picture, stages, grades and course, complications, diagnosis. Treatment. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation. Modern antihypertensive therapy.

Topic 2. Atherosclerosis. Ischemic heart disease. Angina pectoris. Other form of stenocardia. The current state of the problem. Metabolic syndrome. Dyslipidemia. Definition. The current state of the problem. Angina: etiology, risk factors, pathogenesis, modern classification, pathomorphology, clinical manifestation, course, diagnosis, therapy. Rules of patients management. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

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Topic 3. Acute coronary syndrome. Myocardial infarction Definition. Current state of the problem. The etiology, risk factors, pathogenesis, modern classification, pathology, clinical features, variants of the myocardial infarction (MI) flow, periods of flow, diagnostics. Complications of MI in the light of periods of its course. Treatment. Emergency care at IM. Rules of treatment and management patients with MI. Indications for active thrombolysis. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 4. Acute rheumatic fever. Chronic rheumatic heart disease. Definition. Current state of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, diagnostic criteria, course, diagnosis, treatment principles. Prevention. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 5. Infective endocarditis (IE). Definition. Current state of the problem. Etiology, risk factors, pathogenesis, modern classification, pathomorphology, clinic, stages and course, diagnosis, complications, modern IE therapy - etiotropic, pathogenetic. Indications for surgical intervention. Prevention. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 6. Acquired heart defects. Mitral valve disease. Mitral valve disease - regurgitation, stenosis, combined (stenosis + regurgitation). Tricuspid incompetence. Combined and concomitant mitral and tricuspid valve impairment. Current state of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, criteria of diagnosis, current stages, studies, treatment principles. Indications for surgery intervention. Prevention. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.


Topic 7. Acquired heart defects. Aortic valve disease: regurgitation, stenosis. Current state of the problem. Combined aortic defects (regurgitation + stenosis). Combined aortic-mitral, aortic-mitral-tricuspid heart defects. Etiology, risk factors, pathogenesis - hemodynamics, modern classification, pathomorphology, clinic, course, diagnosis, treatment. Prevention. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 8. Chronic heart failure . Definition. Current state of the problem. Etiology, risk factors, pathogenesis, modern classification, pathomorphology, clinical picture, course, diagnosis, therapy. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Section 2. Pulmonology

Topic 9. Acute pneumonia . Definition. Current state of the problem. Etiology, risk factors, pathogenesis, modern classification, pathomorphology, clinic, course, complications, diagnosis. Modern therapy (etiotropic - empirical; pathogenetic). Primary and secondary prevention. Diagnostic and treatment standards approved by the Ministry of Health of the Russian Federation.

Topic 10. COPD. Definition. The current state of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, course, diagnosis, complications,

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modern therapy. Russian and European guidelines. GOLD 2013. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 11. Bronchial asthma. Definition. Current status of the problem. Etiology, risk factors, pathogenesis (early and late stage of allergic reactions), modern classification - controlled and uncontrolled bronchial asthma, pathomorphology, clinic, current, diagnosis, step-by-step therapy, characteristics of modern means of treatment of bronchoobstructive syndrome. Controllability of bronchial asthma. Prevention. Russian and European guidelines. GINA 2013. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 12. Suppurative lung diseases. Definition. Epidemiology. Etiology. The concept of chronic pneumonia. Definitions of lung abscess (acute and chronic), lung gangrene, bronchiectasis, risk factors, pathogenesis. Clinical features, diagnosis of lung abscess, gangrene of the lungs, bronchiectasis. Leading clinical syndromes, criteria for the diagnosis of lung abscess (acute, chronic), lung gangrene, bronchiectasis. Laboratory and instrumental (X-ray, bronchographic, tomographic) reference points of diagnostic criteria. Differential diagnosis. Treatment principles of suppurative lung diseases. Prognosis, prevention, disability assessment schedule. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 13. Chronic cor pulmonale. Definition. Current status of the problems. Etiology, risk factors, pathogenesis, modern classification, pathomorphology, clinic, stages, course, diagnosis, modern therapy. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.


Section 3. Gastroenterology

Topic 14. Chronic gastritis. Definitions. Current status of the problem. Etiology (role of *Helicobacter pylori*), risk factors, pathogenesis, international classifications, pathomorphology, clinic, course, diagnosis, complications, drug groups and principles of therapy. Antisecretory drugs and eradication therapy (ET) of *Helicobacter pylori* (HP) associated illness and chronic gastritis. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 15. Peptic ulcer disease. Definitions. Current status of the problem. Etiology (role of *Helicobacter pylori*), risk factors, pathogenesis, international classifications, pathomorphology, clinic, course, diagnosis, complications, drug groups and principles of therapy. Complications, treatment of peptic ulcer disease. Absolute and relative indications for surgery. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 16. Diseases of the biliary system. Definitions. The current state of the problem. Dysfunction of the Oddi sphinter (types) and types of biliary dyskinesia pathways, chronic cholangitis/cholecystitis, bile stone disease. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, course, diagnosis, therapy (etiotropic, pathogenetic). Indications for surgery. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 17. Chronic pancreatitis. Definition. Current status of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, course, diagnosis,

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treatment. Indications for surgery. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 18. Chronic inflammatory bowel disease (CIBD): Crohn's disease, ulcerative colitis. Definition. Current status of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, course, diagnosis, complications, therapy. Treatment. Evidence for surgery. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 19. Chronic hepatitis. Definition. Current status of the problem. Etiology, risk factors, pathogenesis, modern classifications, pathomorphology, clinic, course, complications and outcomes, diagnosis, prevention. Modern antiviral and pathogenetic therapy of chronic hepatitis. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

Topic 20. Liver cirrhosis. Definition. Current status of the problem. Etiology, risk factors, pathogenesis, modern classifications, stages of liver cirrhosis according to Child-Pugh Score for Cirrhosis Mortality, pathomorphology, clinic, course, complications and outcomes, diagnosis, prevention. Modern liver cirrhosis therapy. Prevention. Russian and European guidelines. Standards of diagnosis and treatment, approved by the Ministry of Health of the Russian Federation.

6. TOPICS OF PRACTICAL CLASSES AND SEMINARS (FOR DISCUSSING AND SELF-PREPARING OF STUDENTS)

Section 1. Cardiology.

Topic 1. Arterial hypertension (AH).

practical class

Questions to the topic.


- Etiology and pathogenesis of hypertension.
- Modern classification of hypertension, risk stratification.
- Grades and stages of AH, the criteria for its determination, making diagnosis.
- Criteria for stratification of cardiovascular risk in hypertension.
- The main syndromes in hypertension, a clinical picture of the various stages of the disease.
- Additional methods for AH studies: ECG changes, X-ray, ophthalmoscopy, echocardiography, kidney function.
- The concept of secondary hypertension. 5 groups of secondary hypertension.
- Complications of AH.
- Principles of hypertension treatment: prescription goals, target blood pressure level. 5 groups of antihypertensive drugs, approaches to their choice.
- Hypertonic crises, concept, classification, emergency therapy.

Topic 2. Atherosclerosis. Ischemic heart disease (IHD). Angina pectoris.

practical class

Questions to the topic.

- Cardiovascular continuum. Definition of concept.
- Stages, pathogenesis and morphogenesis of atherosclerosis.
- Risk factors of cardiovascular disease. Modifiable and non-modifiable risk factors.
- Dyslipidemia, types of dyslipidemia by. Main lipids and lipoproteins, their normal values, target values.

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- Cardiovascular risk scale (SCORE). Risk categories. Cardiovascular risk reduction tactics.
- Hypolipidemic drugs.
- IHD definition.
- IHD classification. Stable IHD. Chronic coronary syndromes. Clinical options.
- Pathogenetic mechanisms of angina development (coronary artery atherosclerosis, hemodynamically significant stenosis, coronary artery spasm).
- Critical IHD risk factors.
- Rose angina diagnosis criteria.
- Criteria of diagnosis of various forms of angina.
- The criteria for the diagnosis of various forms of angina pectoris (new-onset angina, stable angina, progressive angina, Prinzmetal angina (vasospastic angina or variant angina), post-infarction angina (recurrent angina), decubitus angina).
- Differential diagnosis of angina syndrome with chest pain other etiology.
- ECG signs of ischemia.
- Diagnostics (load and pharmacological samples, 24-hours ECG monitoring, load imaging methods, coronarangiography).
- Basic principles of angina treatment (group of antianginal drugs), control of angina attack and medical case management.

Topic 3. Acute coronary syndrome. Myocardial infarction (MI).

practical class

Questions to the topic.

- Acute coronary syndrome, definition, clinical forms.
- MI definition. Etiology (the main etiological groups of the disease: coronary artery atherosclerosis, artery disease (arteritis, injuries, etc.), coronary artery embolism, congenital defects of coronary arteries, sharp imbalance of myocardial oxygen demand and supply, thrombosis in situ).
- Pathogenetic mechanisms of development of myocardial infarction. Morphogenesis in MI depending on the stage of the disease.
- Classification of MI.
- Clinical pattern in different periods of disease.
- Clinical options for the onset of the disease (typical and atypical form).
- Clinical, instrumental and laboratory criteria of diagnosis (St. anginosus, cardio hemodynamic syndrome, arrhythmic syndrome, resorption-necrotic syndrome, EKG syndrome - topical diagnosis).
- Periods of MI (the sharpest, acute, subacute, scarring, postinfarction cardiosclerosis) - ECG syndrome.
- Pre-infarction condition. Unstable angina.
- Complications of MI.
- Urgent care for cardiac arrest, cardiogenic shock, cardiac asthma, pulmonary edema, ventricular fibrillation and etc.
- Basic principles of drug treatment MI.
- Revascularization.


Topic 4. Acute rheumatic fever. Chronic rheumatic heart disease.

practical class

Questions to the topic.

- definition of acute rheumatic fever (ARF), chronic rheumatic heart disease;
- Etiology. Epidemiology. Risk factors.
- Hypotheses of pathogenesis. Role of group A beta-hemolytic streptococcus.

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- Morphology of different stages of rheumatic fever.
- Classification of ARF.
- Clinical picture of the main and additional manifestations of ARF.
- Diagnostics. Major and minor diagnostic criteria.
- Complications of ARF;
- ARF treatment: objectives, indications for hospitalization, non- drug and medicinal, primary and secondary prevention: goals, measures, drug administration schemes, their duration.

Topic 5. Infective endocarditis (IE).

practical class

Questions to the topic.

- Definition of IE. The concept of primary and secondary forms of disease;
- Etiology. Risk factors.
- Pathogenesis (primary and secondary bacteremia, immuno-inflammatory stage, dystrophic stage); features of the current course of IE; stage); features of the current course of IE;
- Classification of IE.
- Clinic: options for the onset of the disease. IE syndromes.
- Complications.
- Diagnostics. Duke criteria. Criteria for the diagnosis the I-st, II-nd, III-d stages. Degree of activity in IE. Diagnosis formulation.
- Course and outcomes.
- Treatment: goals, choice and doses of antibiotics, duration of therapy, indications for surgical treatment. Criteria of cure.

Topic 6. Acquired heart defects. Mitral valve disease. Tricuspid valve incompetence.

practical class

Questions to the topic.


- Definition, etiology of mitral and tricuspid valve disease – regurgitation and stenosis;
- Pathogenesis – hemodynamics of valve disease (regurgitation, stenosis);
- Classification of mitral stenosis (according to Bakulev-Damir);
- Clinical signs of mitral and tricuspid valve disease – subjective, objective;
- Criteria for the diagnosis of mitral regurgitation (direct and indirect signs);
- Criteria for the diagnosis of mitral stenosis (direct and indirect signs);
- Criteria for the diagnosis of tricuspid incompetence (direct and indirect signs);
- Changes in ECG, PCG, chest X-rays in heart defects;
- Peripheral signs of mitral and tricuspid incompetence and their hemodynamic basis;
- Peripheral symptoms of mitral stenosis and their hemodynamic justification;
- Stages of the course of defects and their complications;
- Principles of treatment.
- Indications for surgical treatment of mitral and tricuspid valve disease.

Topic 7. Acquired heart defects. Aortic valve disease: regurgitation and stenosis.

Practical class

Questions to the topic.

- Definition, etiology of aortic valve disease – regurgitation and stenosis;
- Pathogenesis – hemodynamics of aortic valve disease (insufficiency, stenosis);
- Classifications of aortic stenosis (Zuckerman G.I., Semenovskiy M.L., 1967), aortic regurgitation (H. Taylor et al.);
- Clinical signs of aortic valve disease – subjective, objective;
- Criteria for the diagnosis of aortic regurgitation (direct and indirect signs);

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- Criteria for the diagnosis of aortic stenosis (direct and indirect signs);
- Changes in ECG, PCG, chest X-rays in aortic valve disease;
- Peripheral signs of aortic regurgitation and their hemodynamic basis
- Peripheral symptoms of aortic stenosis and their hemodynamic justification
- Stages of aortic valve disease and their complications
- Principles of treatment.
- Indications for surgical treatment of aortic valve disease.

Topic 8. Chronic heart failure.

practical class

Questions to the topic.

- Definition of chronic heart failure (CHF);
- Etiology and risk factors for CHF;
- The pathogenesis of CHF;
- Classification of CHF;
- CHF clinic, CHF syndromes by stages;
- Signs of right ventricular and left ventricular heart failure;
- ECG-signs: LVH, RVH, LAH, RAH; systolic and diastolic overload of LV and RV;
- X-ray signs of venous and arterial congestion of the lung circulation;
- criteria for the diagnosis of CHF– I, IIA, IIB, III stages, I-IV FC;
- complications of CHF;
- principles of treatment of CHF, taking into account the stage, group of drugs used in therapy CHF, differentiated therapy;
- patient monitoring, prognosis for CHF.

Section 2. Pulmonology

Topic 9. Acute pneumonia.

practical class

Questions to the topic.


- Definition of pneumonia (acute, prolonged).
- Etiology of pneumonia (acute, prolonged). The most common pathogens.
- Risk factors for the development of pneumonia.
- Pathogenesis of acute pneumonia.
- Classification of pneumonia.
- Clinical syndromes in pneumonia; signs with reference to clinical morphological form.
- Criteria for diagnosis bronchopneumonia, pleuropneumonia.
- Complications of pneumonia.
- Course, severity of pneumonia, cure criteria.
- Principles of treatment of pneumonia: etiotropic (ATO/AOIB 2008 by groups of pneumonia), pathogenetic therapy.
- Indications for hospitalization.

Topic 10. Chronic obstructive pulmonary disease (COPD).

practical class

Questions to the topic.

- Definition of COPD.
- Etiology of COPD.
- Risk factors for COPD.
- Pathogenesis of COPD, features of bronchial obstruction in COPD
- COPD classifications.

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- Clinical syndromes and clinical form in COPD.
- COPD criteria according to WHO, GOLD regulations.
- Principles of treatment, pathogenetic therapy.
- Course, complications and outcomes.
- Prevention of COPD.
- medical management, prognosis for COPD.

Topic 11. Bronchial asthma (BA).

Practical class

Questions to the topic.

- Definition of bronchial asthma.
- Etiology and risk factors for the development of BA.
- Pathogenesis of BA – "early" and "late" stages of allergic reactions in BA, features of the pathogenesis of BA in various types of allergic reactions.
- Classification of bronchial asthma.
- Controlled and uncontrolled BA.
- Clinic of BA, syndromes in BA (features of bronchoobstructive syndrome).
- BA criteria.
- Clinical forms of BA, severity of BA.
- Complications of asthma, asthmatic status.
- Principles of BA treatment, step-by-step approach, groups of anti-inflammatory and broncholytic therapy.
- Medical management, prognosis for BA.

Topic 12. Suppurative lung diseases.

practical class

Questions to the topic.


- Definition of bronchiectasis, abscess, lung gangrene;
- Etiology of suppurative lung diseases;
- Pathogenesis of lung abscess, bronchiectasis;
- Risk factors for the development of suppurative lung diseases;
- Classifications;
- Clinical syndromes in lung abscess, bronchiectasis;
- Criteria of DS bronchiectasis, acute lung abscess, chronic lung abscess, lung gangrene;
- Complications of lung abscesses, bronchiectasis;
- Course, severity, criteria of cure for bronchiectasis, lung abscesses;
- Principles of treatment of suppurative lung diseases: etiotropic, pathogenetic therapy, indications for surgical treatment;
- Medical management, prognosis for suppurative lung diseases.

Topic 13. Chronic cor pulmonale.

practical class

Questions to the topic.

- Definition of a chronic cor pulmonale;
- Etiology (3 groups of factors) of cor pulmonale;
- Factors contributing to the exacerbation of the disease;
- Pathogenesis of cor pulmonale;
- Classification of cor pulmonale;
- Clinical syndromes in cor pulmonale;
- Criteria for diagnosis of cor pulmonale in the stage of compensation, decompensation;

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- Complications of cor pulmonale;
- Principles of treatment of cor pulmonale;
- Medical management, prognosis for cor pulmonale.

Section 3. Gastroenterology

Topic 14. Chronic gastritis.

practical class

Questions to the topic.

- Definition of chronic gastritis;
- Etiology of chronic gastritis;
- Risk factors for the development of chronic gastritis;
- Pathomorphological signs of chronic gastritis, stage, degree according to the OLGA 2008 system;
- Pathogenesis of chronic gastritis;
- Classification of chronic gastritis;
- Clinical signs of chronic gastritis;
- Criteria for the diagnosis of various forms of chronic gastritis (non-atrophic, atrophic, gastric stump gastritis, rare forms of chronic gastritis);
- Principles of treatment of various forms of chronic gastritis, modern pharmacotherapy;
- Groups of drugs used in the treatment of chronic gastritis;
- Complications of chronic gastritis;
- Prognosis for chronic gastritis.

Topic 15. Peptic ulcer disease.

Practical class

Questions to the topic.


- Definition of peptic ulcer disease.
- Etiology and risk factors for the development of peptic ulcer disease.
- Pathogenesis of peptic ulcer disease.
- Classification of peptic ulcer disease.
- Clinical syndromes in peptic ulcer disease.
- Peptic ulcer disease criteria (basic, additional).
- Principles of treatment of peptic ulcer disease, groups of drugs used in the treatment of this disease.
- Complications of peptic ulcer disease.
- Indications for surgical treatment of peptic ulcer disease, types of surgery.
- Postgastroresection complications and disorders.
- Prognosis.

Topic 16. Diseases of the biliary system.

practical class

Questions to the topic.

- Definition of dysfunctional disorders of the gallbladder and sphincters of the biliary tract, chronic cholecystitis, chronic cholangitis, gall bladder stone;
- Etiology and risk factors for the development of diseases of the biliary system;
- Pathogenesis of chronic cholecystitis, gall bladder stone;
- Classifications;
- Clinical syndromes in the pathology of the biliary system;
- Criteria of biliary dyskinesia, chronic cholecystitis, gall bladder stone;
- Principles of treatment of functional, inflammatory, metabolic diseases

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- of the biliary tract, groups of drugs used in the treatment of these diseases;
- Complications of chronic cholecystitis, gall bladder stone;
- indications for surgical treatment of gall bladder stone, types of operations;
- Postcholecystectomy syndrome – diagnostic criteria, treatment principles;
- Prognosis for chronic cholecystitis, gall bladder stone.

Topic 17. Chronic pancreatitis.

practical class

Questions to the topic.

- Definition of chronic pancreatitis;
- Etiology and risk factors for the development of chronic pancreatitis;
- Pathogenesis of chronic pancreatitis;
- Classification of chronic pancreatitis;
- Clinical syndromes in chronic pancreatitis;
- Diagnostic criteria of various forms of chronic pancreatitis;
- Principles of chronic pancreatitis treatment, groups of drugs used in the treatment of this disease;
- Complications of chronic pancreatitis;
- Indications for surgical treatment of chronic pancreatitis, types of operations;
- Prognosis for chronic pancreatitis.

Topic 18. Chronic inflammatory bowel disease (CVD): Crohn's disease, Ulcerative colitis .

practical class

Questions to the topic.


- Definition of a group of chronic inflammatory bowel diseases – ulcerative colitis, Crohn's disease, Whipple;
- Etiology of ulcerative colitis, Crohn's disease;
- Risk factors for the development of inflammatory bowel diseases;
- Pathomorphological criteria of ulcerative colitis, Crohn's disease;
- Pathogenesis of inflammatory bowel diseases;
- Classifications of ulcerative colitis, Crohn's disease;
- Clinical syndromes in ulcerative colitis, Crohn's disease;
- Criteria for Ds ulcerative colitis, Crohn's disease;
- Principles of treatment of ulcerative colitis, Crohn's disease;
- Complications and prognosis in ulcerative colitis, Crohn's disease.

Topic 19. Chronic hepatitis.

practical class

Questions to the topic.

- Definition of chronic hepatitis;
- Etiology of chronic hepatitis;
- Risk factors for the development of chronic hepatitis;
- Pathogenesis of chronic hepatitis;
- Classification of chronic hepatitis;
- The main clinical syndromes of chronic hepatitis: cytolytic, mesenchymal inflammatory, cholestatic, asthenovegetative, dyspeptic, hemorrhagic;
- Laboratory syndromes reflecting damage to hepatocytes, violations of the absorption-excretory function of the liver, the degree of immunopathological disorders;
- The main criteria for the diagnosis of chronic hepatitis;
- Extrahepatic manifestations of chronic hepatitis;

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- Differential diagnosis in chronic hepatitis;
- Basic principles of treatment of various forms of chronic hepatitis;

Topic 20. Liver cirrhosis.

practical class

Questions to the topic.

- Definition of liver cirrhosis,
- Etiological groups of liver cirrhosis development;
- Risk factors for the development of liver cirrhosis;
- Pathogenesis of liver cirrhosis;
- Liver cirrhosis classification;
- The main clinical syndromes of liver cirrhosis: portal hypertension, edematous, ascitic, hepatodepressive, hemorrhagic;
- Laboratory syndromes reflecting damage to hepatocytes, violations of the absorption-excretory function of the liver, the degree of immunopathological disorders;
- The main criteria for the diagnosis of liver cirrhosis (macronodular, micronodular, biliary)
- Differential diagnosis with liver cirrhosis;
- Basic principles of liver cirrhosis treatment.

7. LABORATORY CLASSES

Not provided


8. SUBJECTS OF COURSE PAPERS, TESTS, ESSAYS

Course paper is not provided.

Each student during the period of study at the department in the discipline section "Internal Medicine" draws up one educational history of the disease. To do this the student is provided with a clinical case for history-taking and examination of patient. The optimal approach to writing a medical history report is described in the methodological guidelines of the department. The quality of medical report making is assessed according to a 4-point system.

9. QUESTIONS FOR EXAM ON DISCIPLINE "FACULTY THERAPY"

1. Hypertension. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.
2. Atherosclerosis. Ischemic heart disease. Angina pectoris. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.
3. Acute coronary syndrome. Myocardial infarction. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.
4. ARF. Chronic rheumatic heart disease. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and

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instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

5. Infective endocarditis. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

6. Acquired heart defects: Mitral and tricuspid valve disease. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

7. Acquired heart defects: Aortic valve disease. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

8. Chronic heart failure. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

9. Acute pneumonia. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.


10. Chronic obstructive pulmonary disease (COPD). Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

11. Suppurative lung diseases. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

12. Bronchial asthma. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

13. Chronic cor pulmonale. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, indications for surgical treatment. Complications, prognosis, prevention.

14. Chronic gastritis. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

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15. Peptic ulcer disease. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

16. Diseases of the biliary system. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

17. Chronic pancreatitis. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.


18. Chronic inflammatory bowel disease: Crohn's disease, Ulcerative colitis. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

19. Chronic hepatitis. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.


20. Cirrhosis of the liver. Definition, prevalence, etiology. Risk factors, pathophysiology and pathogenesis, clinical picture, diagnostic criteria, laboratory and instrumental diagnostics, classification, goals and principles of treatment, pharmacotherapy, complications, prognosis, prevention.

10. SELF-STUDY WORK OF STUDENTS


№	Name of the section / subject	Types of SSW	Total number of hours	Current control
1.	Arterial hypertension.	Case management of a patient with hypertension. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations in hypertension. Urgent care in hypertensive crisis.	4	Solving clinical cases, tests
2.	Atherosclerosis. Ischemic heart disease. Angina pectoris.	Case management of the patient with angina pectoris. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in angina pectoris attack.	2	Solving clinical cases, tests

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3.	Acute coronary syndrome (ACS). Myocardial infarction.	Case management of a patient with myocardial infarction. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in angina status, acute MI.	4	Solving clinical cases, tests
4.	ARF. Chronic rheumatic heart disease.	Case management of a patient with ARF, CRHD. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations	2	Solving clinical cases, tests
5.	Infective endocarditis.	Case management of patient with IE. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
6.	Acquired heart defects: mitral valve defects, tricuspid and distal valve insufficiency.	Case management of patient with mitral or tricuspid valve disease, Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	4	Solving clinical cases, tests
7.	Acquired heart disease: Lack of aortic stenosis and Clap and on.	Case management of patient with aortic valve disease - regurgitation and stenosis. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	4	Solving clinical cases, tests
8.	Chronic heart failure .	Case management of patient with CHF. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
9.	Acute pneumonia.	Case management of a patient with acute pneumonia, suppurative lung diseases. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
10.	COPD.	Case management of	4	Solving

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		patient with COPD. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.		clinical cases, tests
11.	Bronchial asthma.	Case management of a patient with BA. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in status asthmaticus.	2	Solving clinical cases, tests
12.	Suppurative lung diseases : bronchiectasis, abscess and gangrene of the lung.	Case management of patient with bronchiectasis, lung abscess, lung gangrene. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in an septic shock.	2	Solving clinical cases, tests
13.	Chronic cor pulmonale	Case management of patient with cor pulmonale Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in pulmonary hemorrhage.	2	Solving clinical cases
14.	Chronic gastritis.	Case management of patient with chronic gastritis. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
15.	Peptic ulcer disease.	Case management of patient with peptic ulcer disease. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in the gastrointestinal bleeding, ulcer perforation.	2	Solving clinical cases, tests
16.	Diseases of the biliary tract: Chronic cholecystitis / cholangitis, gallstone disease, DSO, PCES.	Case management of patient with chronic cholecystitis, gallstone disease. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care	2	Solving clinical cases, tests

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		in biliary colic.		
17.	Chronic pancreatitis.	Case management of patient with chronic pancreatitis. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
18.	Chronic inflammatory bowel disease (CIDD): Crohn 's disease , Ulcerative colitis.	Case management of patient with chronic inflammatory bowel disease. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in gastrointestinal bleeding.	2	Solving clinical cases, tests
19.	Chronic hepatitis.	Case management of patient with chronic hepatitis. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations.	2	Solving clinical cases, tests
20.	Cirrhosis of the liver.	Case management of patient with cirrhosis. Highlighting the leading clinical syndromes. Assessment of diagnostic investigations. Urgent care in esophageal varicose veins bleeding.	2	Solving clinical cases.
21.	Medical history defense	History taking, physical examination and assessing clinical investigations to make clinical diagnosis in individual patients. Writing a medical case report.	6	Medical history defense


11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

A. List of recommended literature

a). Core reading:

1. Ивашкин, В. Т. Internal diseases propedeutics / V. T. Ivashkin, A. V. Okhlobystin. - Moscow : GEOTAR-Media, 2020. - 176 p. - 176 с. - ISBN 978-5-9704-5555-5. - Текст : электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970455555.html>

2 Internal Diseases: Textbook in 2 Vols. Vol. I / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow: GEOTAR-Media, 2022. - 688 с. - ISBN 978-5-9704-6766-4. - Текст:электронный // ЭБС "Консультант студента": [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467664.html>

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3. Internal Diseases. Vol. II. : Textbook in 2 Vols. / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow : GEOTAR-Media, 2022. - 616 с. - ISBN 978-5-9704-6767-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467671.html>

b). Supplementary reading:

1. Внутренние болезни, эндокринология и физиотерапия = Internal diseases, endocrinology and physical medicine: manual: учебно-методическое пособие для студентов 4 и 5 курса, обучающихся по специальности «Лечебное дело», на английском языке-посреднике / А. А. Тарасов, Е. В. Калинина, А. Л. Емельянова, И. В. Лекарева. - Волгоград: ВолгГМУ, 2018. - 80 с. - Текст: электронный // ЭБС "Букап" : [сайт]. - URL: <https://www.books-up.ru/ru/book/vnutrennie-bolezni-endokrinologiya-i-fizioterapiya-12448531/>
2. Occupational diseases: explanatory tests = Профессиональные болезни: тесты с разъяснениями / А. М. Литвяков, А. Н. Щупакова, Л. Р. Выхристенко, Н. А. Подолинская. - Витебск : ВГМУ, 2019. - 140 с. - ISBN 9789854669557. - Текст : электронный // ЭБС "Букап": [сайт]. - URL: <https://www.books-up.ru/ru/book/occupational-diseasesexplanatory-tests-12103482/>
3. Oslopov, V. N. Case history of therapeutic patient : manual / V. N. Oslopov, O. V. Bogoyavlenskaya, Yu. V. Osloпова et al. - Москва : ГЭОТАР-Медиа, 2014. - 176 с. - ISBN 978-5-9704-3383-6. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970433836.html>
4. Smirnova A. Yu. Basis of functional and laboratory diagnostics : textbook of medicine for medicine faculty students / Smirnova A. Yu., V. V. Gnoevykh; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Ulyanovsk : ULSU, 2018. - 163 p. : ill. - Текст на англ. яз. URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/1237> . - Режим доступа: ЭБС УлГУ. - Текст : электронный.

c). Educational and methodical literature

1. Methodological manual for the self-study work of students studied the discipline "Faculty therapy" specialty 31.05.01 «General medicine» / J. M. Pavlova; Ulyanovsk State University. - Ulyanovsk : ULSU, 2022. - 25 p. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11622>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

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c) Software:

1. Система «Антиплагиат.ВУЗ»
2. ОС Microsoft Windows
3. Microsoft Office 2016
4. Мой Офис Стандартный

d) Professed data base, directory and search systems:

1. Electronic library systems:

- 1.1. Цифровой образовательный ресурс IPRsmart: электронно-библиотечная система: сайт /ООО Компания «Ай Пи Ар Медиа». - Саратов, [2022].— URL: <http://www.iprbookshop.ru> . — Режим доступа: для зарегистрирп. пользователей. - Текст электронный.
- 1.2. Образовательная платформа ЮРАЙТ: образовательный ресурс, электронная библиотека сайт / ООО Электронное издательство ЮРАЙТ. — Москва, [2023]. - URL:

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- <https://urait.ru>. — Режим доступа: для зарегистрир. пользователей. - Текст: электронный.
- 1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента):электронная библиотечная система: сайт/ ООО»Политехресурс». – Москва, [2023]. – URL:<https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрированных пользователей. – Текст электронный.
 - 1.4. Консультант врача. Электронная медицинская библиотека: база данных: сайт/ ООО Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг. — Москва, [2023]. — URL: <https://www.rosniedlib.ru>. — Режим доступа: для зарегистрир. пользователей. — Текст: электронный.
 - 1.5. Большая медицинская библиотека: электронно-библиотечная система: сайт/ ООО Букап. — Томск, [2022]. — URL: <https://www.books-up.ru/ru/library/>. — Режим доступа: для зарегистрир. пользователей. — Текст: электронный.
 - 1.6. ЭБС Лань: электронно-библиотечная система: сайт / ООО ЭБС Лань. — Санкт-Петербург, [2023]. — URL: <https://e.lanbook.com>. — Режим доступа: для зарегистрир. пользователей. — Текст: электронный.
 - 1.7. ЭБС Znanium.com: электронно-библиотечная система: сайт /ООО Знаниум. - Москва, [2023]. - URL: <http://znanium.com>. — Режим доступа: для зарегистрир. пользователей. - Текст: электронный.

2. ConsultantPlus [Электронный ресурс]: legal search system. /ООО «Консультант Плюс» - Электрон. дан. - Москва: КонсультантПлюс, [2023].

3. Базы данных периодических изданий:

- 3.1. eLIBRARY.RU: научная электронная библиотека: сайт / ООО Научная Электронная Библиотека. — Москва, [2023]. — URL: <http://elibrary.ru>. — Режим доступа: для авториз. пользователей. — Текст: электронный.
- 3.2. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon): электронная библиотека / ООО ИД Гребенников. — Москва, [2023]. — URL: <https://id2.action-media.ru/Personal/Products>. — Режим доступа: для авториз.пользователей. — Текст электронный.

4. Федеральная государственная информационная система «Национальная электронная библиотека»: электронная библиотека: сайт / ФГБУ РГБ. — Москва, [2023]. — URL: <https://нэб.рф>. — Режим доступа: для пользователей научной библиотеки. — Текст: электронный.

5. Федеральные информационно-образовательные ресурсы:


- 5.1. Российское образование: федеральный портал/ учредитель ФГАУ «ФИЦТО» — URL: <http://www.edu.ru> — Текст: электронный.
6. **Электронная библиотечная система УлГУ:** модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». — URL: <http://lib.usu.ru/MegaPro/Web>. — Режим доступа: для пользователей научной библиотеки. — Текст: электронный.

AGREED:

Ишениер Ведущий / *Ишениер Юль* / *Ишениер* / 12.06.2023
 Должность сотрудника УИГиТ / ФИО / Подпись / Дата

12. MATERIAL AND TECHNICAL SUPPORT OF THE DISCIPLINE

Rooms for self-study work of students are equipped with a personal computer with the ability to connect to the Internet and provide access to the electronic information and educational environment of UISU.

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Lecture auditorium, auditorium for patient examination rooms:

Gratuitous use, UOKGVV, Kuznetsova str., 26;

Gratuitous use, GUZ Central Committee of the Medical Unit, Likhacheva str., 12;

Free use, UOKB, III Internationala str., 7;

Free use, Central City Clinical Hospital, Orenburgskaya str., 27

Library UISU, Sviyaga river embankment, building 2

Classrooms are equipped with multimedia and other teaching aids that allow the use of simulation technologies, with standard sets of professional models and the results of laboratory and instrumental research in an amount that allows students to master the skills and abilities provided by professional activities. Premises provided for the provision of medical care to patients, incl. related to medical interventions, equipped with specialized equipment and medical devices (tonometer, stethoscope, phonendoscope, blood pressure monitor, thermometer, medical scales, growth meter, anti-shock kit, electrocardiograph, set and styling for emergency preventive and therapeutic measures, thyroid activity analyzer, a manual dynamometer) and consumables in an amount that allows students to master the skills and abilities provided for by professional activity, as well as other equipment necessary for the implementation of the residency program.

Poly-spectrum (12-channel miniature wireless electrocardiograph), outpatient ECG-monitoring complex IKAR IN-22, electric massager (2 pcs.), multimedia projector are present too.


Topics and practical manual skills students are mastered on the equipment of the simulation center of UISU.

13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES



Training students with disabilities is carried out taking into account the peculiarities of psychophysical development, individual capabilities and health of such students. Education of students with disabilities can be organized in conjunction with other students, and separately. If necessary, students from among persons with disabilities (at the request of the student) may be offered one of the following options for the perception of information, taking into account their individual psychophysical characteristics:


- for persons with visual impairment: in printed form in large print; in the form of an electronic document; in the form of an audio file (translation of educational materials into audio format); in printed form in Braille; individual consultations with the involvement of a typhlosurd translator; individual tasks and consultations.
- for persons with hearing impairment: in printed form; in the form of an electronic document; video materials with subtitles; individual consultations with the assistance of a sign language interpreter; individual tasks and consultations.
- for persons with musculoskeletal disorders: in printed form; in the form of an electronic document; in the form of an audio file; individual tasks and consultations.

Developer _____ Associate Professor of the Faculty therapy department Pavlova J.M.
signature position full name

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**LIST OF CHANGES of
Educational plan of discipline "Faculty therapy"
Speciality 31.05.01. «General medicine»**

№	Content of the change or a link to the attached text of the	Full name of the head of the Department developing the discipline	Signature	Date
1	Introduction of changes to item C) Professional databases, information and reference systems item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Ruzov V.I.		16/04/24
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 1	Ruzov V.I.		16/04/24

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Appendix 1

A. List of recommended literature

a). Core reading:

1. Ивашкин, В. Т. Internal diseases propedeutics / V. T. Ivashkin, A. V. Okhlobystin. - Moscow : GEOTAR-Media, 2020. - 176 p. - 176 с. - ISBN 978-5-9704-5555-5. - Текст : электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970455555.html>
- 2 Internal Diseases: Textbook in 2 Vols. Vol. I / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow: GEOTAR-Media, 2022. - 688 с. - ISBN 978-5-9704-6766-4. - Текст:электронный // ЭБС "Консультант студента": [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467664.html>
3. Internal Diseases. Vol. II. : Textbook in 2 Vols. / edited by A. I. Martynov, Z. D. Kobalava, S. V. Moiseev. - Moscow : GEOTAR-Media, 2022. - 616 с. - ISBN 978-5-9704-6767-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970467671.html>

b). Supplementary reading:


1. Внутренние болезни, эндокринология и физиотерапия = Internal diseases, endocrinology and physical medicine: manual: учебно-методическое пособие для студентов 4 и 5 курса, обучающихся по специальности «Лечебное дело», на английском языке-посреднике / А. А. Тарасов, Е. В. Калинина, А. Л. Емельянова, И. В. Лекарева. - Волгоград: ВолгГМУ, 2018. - 80 с. - Текст: электронный // ЭБС "Букап" : [сайт]. - URL: <https://www.books-up.ru/ru/book/vnutrennie-bolezni-endokrinologiya-i-fizioterapiya-12448531/>
2. Occupational diseases: explanatory tests = Профессиональные болезни: тесты с разъяснениями / А. М. Литвяков, А. Н. Щупакова, Л. Р. Выхристенко, Н. А. Подолинская. - Витебск : ВГМУ, 2019. - 140 с. - ISBN 9789854669557. - Текст : электронный // ЭБС "Букап": [сайт]. - URL: <https://www.books-up.ru/ru/book/occupational-diseasesexplanatory-tests-12103482/>
3. Oslopov, V. N. Case history of therapeutic patient : manual / V. N. Oslopov, O. V. Vogoayavlenskaya, Yu. V. Oslopora et al. - Москва : ГЭОТАР-Медиа, 2014. - 176 с. - ISBN 978-5-9704-3383-6. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970433836.html>
4. Smirnova A. Yu. Basis of functional and laboratory diagnostics : textbook of medicine for medicine faculty students / Smirnova A. Yu., V. V. Gnoevykh; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Ulyanovsk : ULSU, 2018. - 163 p. : ill. - Текст на англ. яз. URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/1237> . - Режим доступа: ЭБС УлГУ. - Текст : электронный.

c). Educational and methodical literature

1. Methodological manual for the self-study work of students studied the discipline "Faculty therapy" specialty 31.05.01 «General medicine» / J. M. Pavlova; Ulyanovsk State University. - Ulyanovsk : ULSU, 2022. - 25 p. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11622>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

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Appendix 2

Профессиональные базы данных, информационно-справочные системы

1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2024]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2024]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

2. КонсультантПлюс [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2024].

3. eLIBRARY.RU: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

4. Федеральная государственная информационная система «Национальная электронная библиотека» : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

5. Российское образование : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

6. Электронная библиотечная система УлГУ : модуль «Электронная библиотека» АБИС Mega-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Инженер ведущий



Щуренко Ю.В.

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