


Ministry of Science and High Education of RF Ulyanovsk State University	Form	
F – Evaluation funds of the discipline		

APPROVED BY
by the decision of the Academic Council of the USU
Institute of Medicine, Ecology and Physical Culture
16.05.2024 Record No. 9/260

Chairman Mashin V.V. *(Signature, Name)*
«16» May 2024.



THE EVALUATION FUNDS (EFS) OF THE DISCIPLINE

Discipline	Topical issues of internal medicine
Faculty	Medical faculty of T.Z. Biktimirov
Name of department	Hospital therapy
Course	6

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 1. 09.2024

Revised at the Department meeting, Record No. _____ of _____ « _____ » 20__

Revised at the Department meeting, Record No. _____ of _____ « _____ » 20__

Revised at the Department meeting, Record No. _____ of _____ « _____ » 20__

Revised at the Department meeting, Record No. _____ of _____ « _____ » 20__

Revised at the Department meeting, Record No. _____ of _____ « _____ » 20__

Information about developers:

Full Name	Department	Scientific degree, position
Vise-Khripunova M.A.	Hospital therapy	HD, PhD in Medical Sciences, Associate professor
Markovtseva M.V.	Hospital therapy	PhD in Medical Sciences, Associate professor

AGREED	AGREED
Head of the Department, realizing discipline	Head of the graduating department
 /Vise-Khripunova M.A./ <i>signature Name</i> Full Name	 /Vise-Khripunova M.A./ <i>signature Name</i> Full Name
« 16 » May 2024 yr.	« 16 » May 2024 yr.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

1. GOALS AND OBJECTIVES OF THE DISCIPLINE:

Objectives of the discipline:

– to form the student's clinical thinking and practical clinical skills necessary for the diagnosis, treatment and prevention of diseases of internal organs, the formation of professional competencies.

Tasks of discipline development:

- To provide necessary knowledge on etiology, pathogenesis, clinical manifestations of typical and atypical variants of diseases of internal organs;
- To consolidate and improve the skills of examination of the therapeutic patient;
- To form the student's clinical thinking (the ability on the basis of their own clinical information about the patient to make a detailed clinical diagnosis);
- To provide an opportunity for the student to master the methods of differential diagnosis within the analyzed nosological forms;
- To provide an opportunity to the student to master the basic principles of treatment and prevention of typical and atypical forms of diseases of internal organs;
- To form professional competences.

2. PLACE OF THE SUBJECT IN THE STRUCTURE GEP:

Discipline "Topical issues of internal diseases refers to the variable part In, compulsory disciplines. The basic knowledge, skills and competencies of the student necessary for the study of the discipline are formed: - in the study of disciplines of humanitarian, social and economic cycle: philosophy, bioethics, history of medicine, psychology and pedagogy, law Latin language;

- when studying the discipline of mathematical, natural-mathematical cycle: physics and mathematics; medical Informatics; chemistry; biology; biochemistry; human anatomy, topographic anatomy; pathological anatomy, clinical pathological anatomy; histology, embryology, Cytology; normal physiology; pathophysiology; Microbiology, Virology; pharmacology; immunology;

- in the study of disciplines of the professional cycle: hygiene; public health and health care, health Economics; epidemiology; medical rehabilitation; clinical pharmacology; propedeutics of internal diseases; faculty therapy; dermatovenerology; General surgery, surgical diseases; Pediatrics; radiation therapy and radiation diagnosis, infectious diseases, Phthisiopulmonology, polyclinic therapy, occupational diseases, hospital therapy, endocrinology, ophthalmology, obstetrics and gynecology, ENT diseases.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

3. LIST OF EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (MODULES), CORRELATED WITH THE PLANNED RESULTS OF COMPLETING THE PROGRAMS

The list of competencies generated in the process of development of the material on the subject (module) with the code and the name of competences correlated with established developer RAP indicators to achieve each competency separately in accordance with the FSES HPE, FSES HE.

Code and name of the implemented competence	The list of planned learning outcomes of subjects (modules), correlated with indicators of achievement of competencies
<p>PC -2 Readiness to collect and analyze patient complaints, medical history data, examination results, laboratory, instrumental, pathologic-anatomical and other studies in order to recognize the condition or establish the presence or absence of the disease</p>	<p>To know: diagnostic methods, diagnostic capabilities of methods of direct examination of the patient of therapeutic, surgical and obstetric-gynecological profile; modern methods of clinical, laboratory, instrumental examination of patients (including endoscopic, X-ray methods, ultrasound diagnostics).</p> <p>Be able to: to determine the status of the patient: to collect anamnesis, to conduct a survey of the patient and/or his relatives, to conduct a physical examination of the patient (examination, palpation, auscultation); to conduct a primary examination of systems and organs: respiratory, cardiovascular, blood and hematopoietic organs, digestive, endocrine and urinary; to outline the scope of additional studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result.</p> <p>To have skills in: methods of general clinical objective examination (questioning, examination, palpation, percussion, auscultation) in diseases of internal organs; interpretation of the results of laboratory, instrumental diagnostic methods in the pathology of internal organs.</p>

4. Volume of the subject

4.1. Volume of the subject in credits points (total): 3 credits

4.2. On types of academic workload (in hours): 108*

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Type of educational work	Number of hours (full – time training)			
	All according to plan	XII	2	3
1	2	3	4	5
Contact work of students with the teacher in accordance with the UE	50	50		
Classroom lessons:	50	50		
Lectures	8	8		
practical and seminar classes	42	42		
laboratory work, workshops				
Independent work	58	58		
Form of current control of knowledge and control of independent work: testing, counter. work, Colloquium, abstract, etc. (at least 2 types)		Testing, abstract		
Coursework				
Types of intermediate certification (exam, test)	credit	credit		
Total hours in the discipline	108	108		

*If it is necessary to use partly distance educational technologies in the educational process, the organization of work with students with disabilities and disabled people is provided in the electronic information and educational environment, taking into account their individual psychophysical characteristics.

4.3. Contents of the discipline(module). Timetable of topics in regards to hours:


Title of sections and topics	Total	Types of training sessions					Form of current knowledge control
		Classroom lessons			Classes in interactive form	Independent work	
		Lectures	Practical classes, seminars	Laboratory work, workshops			
1	2	3	4	5	6	7	
Section 1. PULMONOLOGY							
1. Syndrome of respiratory failure (RF) in	7		3			4	Interview in the classroom,

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

the clinic of internal diseases.							test control, questions for the test	
2. Urgent conditions in pulmonology	7		3		2	4	Interview in the classroom, test control, questions for the test	
3. Differential diagnosis of nonspecific lung diseases, pulmonary tuberculosis and cancer	6	2				4	Interview in the classroom, test control, questions for the test	
Section 2. CARDIOLOGY								
4. Etiopathogenetic, clinical and diagnostic aspects of cardiomegaly syndrome	7		3			4	Interview in the classroom, test control, questions for the test	
5. Current importance of clinical and instrumental methods of diagnosis of heart defects	7		3			4	Interview in the classroom, test control, questions for the test	
6. Features of pathogenesis of various types of shock in the clinic of internal diseases, emergency care, treatment	10		6		2	4	Interview in the classroom, test control, questions for the test	
7. Syncopal states	6	2				4	Interview in the classroom, test control,	

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

							questions for the test
Section 3. GASTROENTEROLOGY							
8. New in the doctrine of chronic diseases of the pancreas	7		3		2	4	Interview in the classroom, test control, questions for the test
9. Current data on the syndrome of constipation. Questions of pathogenetic treatment and prevention	7		3			4	Interview in the classroom, test control, questions for the test
10. Clinical and instrumental methods of diagnosis of edematous ascitic syndrome in the clinic of internal diseases	12	2	6			4	Interview in the classroom, test control, questions for the test
Section 4. NEPHROLOGY							
11. Syndromic nephropathy in diseases of internal organs	6		3		2	3	Interview in the classroom, test control, questions for the test
12. Differential diagnosis of kidney diseases manifested by nephrotic syndrome	6		3			3	Interview in the classroom, test control, questions for the test
Section 5. HEMATOLOGY							
13. Clinical and hematological	7		3		2	4	Interview in the classroom,

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

manifestations of acute leukemia. Leukemoid reactions. Principles of bone marrow transplantation							test control, questions for the test
14. The lymphadenopathy syndrome. Principles of differential diagnosis of benign and malignant lymphadenopathy	7		3			4	Interview in the classroom, test control, questions for the test
15. Fever of unknown origin in the clinic of internal diseases. Differential diagnosis algorithm	6	2				4	Interview in the classroom, test control, questions for the test
Subtotal	108	8	42			10	58

5. COURSE CONTENTS

Section 1. PULMONOLOGY

1. Syndrome of respiratory failure (DN) in the clinic of internal diseases.

1. Determination of DN, classification, diagnosis criteria.
differential diagnosis of pulmonary and cardiac DN forms.
Basic principles of DN treatment

2. Emergency conditions in pulmonology (in the simulation center)

1. Asthmatic status in bronchial asthma.
2. Anaphylactic shock.
3. Pulmonary embolism.
4. Pulmonary hemorrhage.
5. Spontaneous pneumothorax.

3. Differential diagnosis of nonspecific lung diseases, pulmonary tuberculosis and cancer

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Differential diagnosis of pulmonary infiltration (pneumonia, cancer, tuberculosis), eosinophilic infiltration, mid lobe syndrome and Good Pasture's syndrome.

Section 2. CARDIOLOGY

4. Etiopathogenetic, clinical and diagnostic aspects of cardiomegaly syndrome

The content of the topic

Differential diagnosis in coronary heart disease, primary cardiomyopathy, heart tumors, myocarditis, exudative pericarditis. The significance of ECHO EG and other research methods.

5. Current importance of clinical and instrumental methods of diagnosis of heart defects

The content of the topic

Differential diagnosis of acquired and congenital heart defects characterized by systolic and diastolic noise. Systolic murmur of relative mitral valve insufficiency (flap prolapse, myocardial lesion, etc.). The value of instrumental methods of research and differential diagnosis of heart disease.

6. Features of the pathogenesis of various types of shock in the clinic of internal diseases, emergency care, treatment (in the simulation center)

The content of the topic

The difference between the shock from fainting, collapse. Features of cardiogenic, pain, arrhythmic shock, emergency care for cardiogenic shock. Treatment of toxic-septic shock.

7. Syncopal conditions in the clinic of internal diseases, diagnosis, emergency

The content of the topic

Somatogenic fainting: • cardiogenic; • vasodepressor; * anaemic; * hypoglycemic; * respiratory. Reference criteria and emergency therapy.

Section 3. GASTROENTEROLOGY

8. New in the doctrine of chronic diseases of the pancreas

The content of the topic

Pancreatitis, pancreatic cancer, Apudoma, diagnosis, differential diagnosis, treatment. Emergency care for acute pancreatitis. Principles of enzyme therapy.

9. Current data on the syndrome of constipation. Questions of pathogenetic treatment and prevention

The content of the topic

Diagnosis criteria and differential diagnosis:

- Alimentary constipation
- Mechanical constipation
- Drug
- Proctogenic
- Developmental abnormalities of the intestine
- Metabolic
- Toxic.

Differentiated therapy.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

10. Clinical and instrumental methods of diagnosis of edematous ascitic syndrome in the clinic of internal diseases

The content of the topic

Clinical features of edema in diseases of the heart, kidneys, liver, endocrine diseases. Treatment taking into account the pathogenesis of various types of oedemata's. Edematous ascitic syndrome in cirrhosis of the liver. Mechanism of ascites formation.

Section 4. NEPHROLOGY

11. Syndromic nephropathy in diseases of internal organs

The content of the topic

- diabetic nephropathy
- myeloma nephropathy
- systemic vasculitis
- rheumatoid arthritis
- systemic lupus erythematosus
- systemic scleroderma
- deforming spondyloarthrosis

The criteria for diagnosis.

12. Differential diagnosis of kidney diseases manifested by nephrotic syndrome

The content of the topic

The criteria of diagnosis:

- nephrotic and mixed forms of chronic glomerulonephritis
- kidney amyloidosis

Principles of treatment of nephrotic syndrome

Section 5. HEMATOLOGY

13. Clinical and hematological manifestations of acute leukemia. Leukemoid reactions. Principles of bone marrow transplantation

The content of the topic

Differential diagnosis of acute leukemia and leukemoid reactions

Basic principles of treatment of acute leukemia. Questions of bone marrow transplantation.

14. The lymphadenopathy syndrome. Principles of differential diagnosis of benign and malignant lymphadenopathy.

The content of the topic.

Differential diagnosis of lymphadenopathy.

The concept of benign and malignant lymphadenopathy.

15. Fever of unknown origin in the clinic of internal diseases. Algorithm of differential diagnosis of diseases.

The content of the topic

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Infectious and inflammatory diseases (generalized, local) (endocarditis, pyelonephritis, osteomyelitis, abscesses, tuberculosis, viral and parasitic infections, and etc.)
oncological disease- (lymphoma, myxoma, hypernephroma, leukemia, metastatic cancer of the lungs, stomach, and etc.);
systemic inflammation of connective tissue–(allergic vasculitis, rheumatism, rheumatoid arthritis, Crohn's disease, systemic lupus erythematosus, etc.);
other diseases - (hereditary diseases and metabolic diseases, psychogenic and periodic fevers);

6. TOPICS OF PRACTICAL LESSONS

Section 1. PULMONOLOGY

Topic 1. Syndrome of respiratory failure (RF) in the clinic of internal diseases (practical lesson).

Questions to the topic

- Definition RF
- Classification
- The criteria of diagnosis
- Differential diagnosis of pulmonary and cardiac forms RF
- Basic principles of treatment RF

Topic 2. Emergency conditions in pulmonology (simulation center)

Questions to the topic

The criteria of diagnosis and emergency treatment:

- Asthmatic status in bronchial asthma
- anaphylactic shock
- pulmonary embolism
- pulmonary hemorrhage
- Spontaneous pneumothorax

Criteria for diagnosis of diseases accompanied by diastolic murmurs

Section 2. CARDIOLOGY

Topic 4. Etiopathogenetic, clinical and diagnostic aspects of cardiomegaly syndrome (practical lesson)

Questions to the topic

- Criteria for differential diagnosis of cardiomegaly in myocardial lesions: myocarditis, cardiomyopathy, myocardiodystrophy, myocardiosclerosis

Topic 5. Modern significance of clinical and instrumental methods of diagnostics of heart defects (seminar)

Questions to the topic

- Criteria for differential diagnosis of diseases accompanied by systolic murmurs.
- The defeat of the heart, accompanied by inorganic valve noise

Criteria for diagnosis of diseases accompanied by diastolic murmurs

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Topic 6. Features of the pathogenesis of various types of shock in the clinic of internal diseases, emergency care, treatment (simulation center)

Questions to the topic

Algorithm of differential diagnosis of hypovolemic, infectious-toxic and cardiogenic shock
Clinical criteria of cardiogenic shock by severity.
Emergency care and treatment of cardiogenic shock.

Section 3. GASTROENTEROLOGY

Topic 8. Differential diagnosis and treatment of pancreatic diseases (practical lesson)

Questions to the topic

Differential diagnosis

- Pancreatitis
- Tumors of the pancreas

Features of enzyme therapy

Topic 9. Current data on the syndrome of constipation. Questions of pathogenetic treatment and prevention (practical lesson)

Questions to the topic

Diagnosis criteria and differential diagnosis:

- Alimentary constipation
- Mechanical constipation
- Drug constipation
- Proctogenic
- Developmental abnormalities of the intestine
- Metabolic
- Toxic

Differentiated therapy.

Topic 10. Clinical and instrumental methods of diagnosis of edematous ascitic syndrome in the clinic of internal diseases (seminar)

Questions to the topic

Criteria of edematous ascitic syndrome and differential diagnosis

- Cirrhosis
- Chiari Disease
- Pseudoceros Peak
- Liver tumor

Standards of treatment of edematous ascitic syndrome

Section 4. NEPHROLOGY

Topic 11. Syndromic nephropathy in diseases of internal organs (seminar)

Questions to the topic

The criteria of diagnosis:

- diabetic nephropathy
- myeloma nephropathy
- systemic vasculitis

Criteria for the diagnosis of nephropathies in:

- rheumatoid arthritis

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

- systemic lupus erythematosus
- systemic scleroderma
- deforming spondyloarthritis

Topic 12. Differential diagnosis of diseases of the kidney, manifested as nephrotic syndrome (a practical lesson)

Questions to the topic

Criteria of diagnosis nephrotic syndrome. Its classification.

The criteria of diagnosis:

- nephrotic and mixed forms of chronic glomerulonephritis
- kidney amyloidosis

Principles of treatment of nephrotic syndrome.

Section 5. HEMATOLOGY

Topic 13. Clinical and hematological manifestations of acute leukemia. Leukemoid reactions. Principles of bone marrow transplantation (practical lesson).

Questions to the topic

- Criteria for acute leukemia
- Differential diagnosis of acute leukemia forms (according to clinical, biochemical, immunological, cytogenetic criteria, effectiveness of PCTs)
- Differential diagnosis of acute leukemia and leukemoid reactions
- Autologous and allogeneic bone marrow transplantation

Topic 14. The lymphadenopathy syndrome. Principles of differential diagnosis of benign and malignant lymphadenopathy

Questions to the topic

- Differential diagnosis of lymphadenopathy according to the characteristics of lymph nodes (size, localization, tenderness, cohesion with surrounding tissues)
 - The criteria of diagnosis:
 - lymphosarcomas'
 - LGM
- Differential diagnosis of lymphosarcoma, LGM with CLL

7. LABORATORY CLASSES, WORKSHOPS

This type of work does not provide UP

8. TOPICS OF COURSE, CONTROL WORKS, ABSTRACTS

This type of work is not provided by the curriculum.

9. LIST OF CREDIT QUESTIONS

1. Reference criteria, diagnosis and treatment of chronic biliary pancreatitis.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

2. Differential diagnosis of edematous-ascitic syndrome in liver cirrhosis and liver vascular disease.
3. Clinical manifestations and emergency care for hepatic coma.
4. Chronic rheumatic heart disease. Etiology. Pathogenesis. Diagnosis of aortic and mitral heart diseases. Treatment. Prevention
5. Primary cardiomyopathies. Classification. Hypertrophic and dilated CMF. Differential diagnosis and treatment of cardiomyopathies
6. Emergency care for cardiogenic shock.
7. Emergency care for small and medium pulmonary embolism.
8. Emergency care for ventricular fibrillation (sudden cardiac death).
9. Differential diagnosis of community-acquired pneumonia and infiltrative pulmonary tuberculosis.
10. Differential diagnosis of pneumonia and peribronchial lung cancer.
11. Emergency care for acute asthma attack and status asthmaticus
12. Criteria for diagnosis and emergency care in PE.
13. Criteria for diagnosis and emergency care for drug-induced anaphylactic shock
14. Criteria for the diagnosis of various forms of spontaneous pneumothorax and the provision of emergency care.
15. The main criteria for pulmonary hemorrhage, diagnosis criteria and emergency care for patients
16. Diabetic nephropathy: classification, clinical picture, complications, treatment.
17. Glomerulonephritis in systemic connective tissue diseases (SLE, amyloidosis, rheumatoid arthritis, ankylosing spondylitis).
18. Glomerulonephritis in systemic vasculitis (hemorrhagic vasculitis, Goodpasture's, microscopic polyangiitis, Wegener's granulomatosis).
19. Emergency care for pulmonary edema with nephropathy, AKI, CKD.
20. Emergency care for nephrotic crisis (hypovolemic shock).
21. Acute leukemia. Diagnostic criteria in the context of primary therapeutic care.
22. Principles of differential diagnosis in hepatosplenomegaly
23. Principles of differential diagnosis in lymphadenopathies


10. SELF-STUDY WORK OF STUDENTS:

Content requirements, conditions and procedures for the organization of independent work of students, taking into account forms of training are determined in accordance with the "Regulation on the organization of independent work of students," approved by the Scientific Council of ULSU (protocol №8 / 268 from 26.03.2019.).

For each form of study: full-time / part-time / part-time is filled with a separate table.

Full-time form of education


№	Title of sections and topics	Type of independent work (study of educational material)	Volume in hours	Form of control
	Section 1. PULMONOLOGY			
	Topic №1. Syndrome of	Variants of respiratory failure (RF). Norms and gradation of deviation	4	Interview during the practical training, test

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

respiratory failure (DN) in the clinic of internal diseases.	from the norm parameters pneumotachogram. Gas exchange function of the lungs. Treatment of RF. Defeat of organs and systems in acute and chronic DN. Treatment of patients with DN. Etiology, pathogenesis, clinic and treatment of chronic pulmonary heart.		control, questions for the test.
Topic №2. Emergency conditions in pulmonology.	Causes, pathogenesis, clinic and treatment of asthmatic status, pulmonary bleeding, spontaneous and traumatic pneumothorax, pulmonary embolism, anaphylactic shock, infectious-toxic shock, respiratory dysfunction syndrome.	4	Interview during the practical training, test control, questions for the test.
Section 2. CARDIOLOGY			
Topic №4 Etiopathogenetic, clinical and diagnostic aspects of cardiomegaly syndrome	The main diseases of the cardiovascular system, accompanied by cardiomegaly; supporting signs of disease history and objective data for the determination of inflammatory and non-inflammatory cardiomyopathies, supporting signs of additional research methods (ECG, Echocardiography, R-gr) for the differential diagnosis of myocardial lesions.	4	Survey during the analysis of the topic during the practical session, interview, questions for the test .
Topic №5 Current importance of clinical and instrumental methods of diagnosis of heart defects	Features of systolic and diastolic murmurs, heart tones in various acquired organic valvular defects, supporting Echocardiography signs of confirmation of frequently occurring acquired organic valvular defects	4	Survey during the analysis of the topic during the practical session, interview, hearing and checking of abstracts, questions for the test
Topic №6 Features of pathogenesis of various types of shock in the clinic of internal diseases, emergency care, treatment	Causes, risk factors, main diagnostic criteria, severity of cardiogenic, infectious-toxic and obstructive shock	4	Survey during the analysis of the topic during the practical session, interview, questions for the test .

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Section 3. GASTROENTEROLOGY				
8	Topic №8. New in the doctrine of chronic diseases of the pancreas	Abnormalities of the development of the pancreas, ectopia of the pancreas. Lesions of the pancreas in infectious diseases. The causes of calcification of the pancreas. Lesion of the pancreas in parasitic invasions.	4	Interview during a practical lesson, test control during the current test, checking abstracts on the topic questions to the test.
9	Topic №9. Modern data in the syndrome of constipation. Questions of pathogenetic treatment and prevention.	Drug constipation. Mechanism of action of laxatives. Classification of laxatives. Exercise therapy for constipation.	4	Interview during the practical training, test control, questions to the offset and the current offset, checking the abstracts on this topic.
10	Topic №10. Clinical and instrumental methods of diagnosis of edematous ascitic syndrome in the clinic of internal diseases.	Cavernomatosis of the portal vein. Extrahepatic forms of portal hypertension. Conservative treatment of edematous ascitic syndrome in PG. Surgical methods of correction of portal hypertension.	4	Interview during a practical lesson, test control during the current test, checking abstracts on the topic questions to the test.
Section 4. NEPHROLOGY				
1.	Topic № 11. Secondary nephropathy in diseases of internal organs	Pathogenesis, clinic, treatment goodpasture's syndrome Wegener's granulomatosis. Nephropathy in infectious endocarditis and sepsis (glomerulonephritis, purulent pyelonephritis, "toxic kidneys»)	4	Spot check-current control at the practical lesson. Questions to offset.
2.	Topic № 12. Differential diagnosis of kidney diseases manifested by nephrotic syndrome	Mechanisms of development of gestosis. Secondary amyloidosis: etiology, clinic, treatment	3	Spot check-current control at the practical lesson. Questions to offset .
Section 5. HEMATOLOGY				
	Topic №13. Clinical and hematological manifestations of acute leukemia. Leukemoid reactions. Principles of bone	Features of the clinical picture of different variants of acute leukemia in the onset of the disease. Indications for referral to a hematologist.	4	Survey in the analysis of the topic, control questions for the exam.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

	marrow transplantation.			
	Topic №14. The lymphadenopathy syndrome. Principles of differential diagnosis of benign and malignant lymphadenopathy	Differential diagnosis of benign and malignant lymphadenopathy	4	Survey in the analysis of the topic, control questions to offset.
	Topic №15. Fever of unknown origin in the clinic of internal diseases. Differential diagnosis algorithm	The concept of LNG, classification. Diseases of infectious and inflammatory nature (generalized, local) (endocarditis, pyelonephritis, osteomyelitis, abscesses, tuberculosis, viral and parasitic infections, etc.); oncological diseases - (lymphoma, myxoma, hypernephroma, leukemia, metastatic lung cancer, stomach, etc.); systemic inflammation of connective tissue –(allergic vasculitis, rheumatism, rheumatoid arthritis, Crohn's disease, systemic lupus erythematosus, etc.);	4	A survey during the analysis of the topic, control questions for the test.and vice versa

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

Актуальные вопросы внутренних болезней

List of recommended literature

Main literature:

1.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>

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

2. 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>

Additional literature:

1. Diagnostics and treatment of internal diseases in outpatient department = Диагностика и лечение терапевтических заболеваний на амбулаторном этапе : пособие для студентов учреждений высшего образования, обучающихся по специальности 1-79 01 01 «Лечебное дело» : manual for students of higher education institutions studying in the specialty 1-79 01 01 / Е. Н. Кежун, Н. С. Слободская, Д. В. Пицко, К. В. Гончар. - Гродно : ГрГМУ, 2020. - 200 с. - ISBN 9789855953198. - Текст : электронный // ЭБС "Букар" : [сайт]. - URL : <https://www.books-up.ru/ru/book/diagnostics-and-treatment-of-internal-diseases-in-outpatient-department-11950033/>

2. 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>

3. Outpatient Therapy : textbook / ed. by V. N. Larina. - Москва : ГЭОТАР-Медиа, 2023. - 456 с. - ISBN 978-5-9704-7708-3, DOI: 10.33029/9704-7708-3-ОТН-2023-1-456. - Электронная версия доступна на сайте ЭБС "Консультант студента" : [сайт]. URL: <https://www.studentlibrary.ru/book/ISBN9785970477083.html>

Educational and methodical literature:

Vize-Khripunova M. A.

Methodological instructions for independent work of students on the discipline «Topical issues of internal medicine» for specialty 31.05.01 «General medicine» / М. А. Vize-Khripunova, М. V. Markovtseva, ; Ulyanovsk State University. - Ulyanovsk : UISU, 2022. - 11 p. -

Неопубликованный ресурс; На англ. яз. - URL:

<http://lib.ulsu.ru/MegaPro/Download/MObject/11571>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

AGREED:

Leading specialist Стадольникова/  / 2024

The position of the worker scientific library Full name signature date

software:

Standard:

1) OS: Windows

2) Antivirus: DrWeb

3) Office suite: Microsoft Office, My Office Standard

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

Professional databases, information and reference systems:

1. Electronic library systems:

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 Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		

12. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

-basic literature

-additional literature

-educational and methodical materials (methodical developments, manuals, etc.)

-normative documents (standard program, curriculum)

Computer, laptop, multimedia installation

Multimedia presentation of lecture material.

Projectors "Overheat" and Slidestep.

Sets of slides on all topics of the discipline.

Tabular Fund on all topics of practical and seminars.

Simulations in the simulation center USU- "Virtuso", "Wirtanen", the robot simulator is a therapeutic robot simulator for emergency situations in therapy, ultrasound diagnostics Портативный электрокардиограф

Diagnostic equipment for all sections of the discipline of the clinical base of the Department (GUZ Regional clinical hospital).

13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES

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 impairments: in printed form in enlarged font; 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 Teploenergetika; individual assignments and consultations;

– for persons with hearing impairments: in printed form; in the form of an electronic document; video materials with subtitles; individual consultations with the involvement of a sign language interpreter; individual tasks and consultations;

– for persons with disorders of the musculoskeletal system: in printed form; in the form of an electronic document; in the form of an audio file; individual tasks and consultations.


If it is necessary to use partly distance educational technologies in the educational process, the organization of work with students with disabilities and disabled people is provided in the electronic information and educational environment, taking into account their individual psychophysical characteristics.

Developer  /
signature

Vize-Khripunova M. A.
SNP

 /
Signature

Markovtseva M. V.
SNP

Ministry of Science and Higher Education of the Russian Federation Ulyanovsk State University	Форма	
F – Educational plan		