

Summary of the working program of the academic discipline

Name of the academic discipline: “SELECTED ISSUES OF PROPAEDEUTICS OF INTERNAL DISEASES”

Specialty: GENERAL MEDICINE (31.05.01)
(code, name)

Qualification: GENERAL PRACTITIONER

Department: Faculty of International Medical Education
Department of Endocrinology and Internal Medicine

1. The purpose and objectives of mastering the academic discipline “SELECTED ISSUES OF PROPAEDEUTICS OF INTERNAL DISEASES”

1.1. The purpose of mastering the discipline:

As a result of mastering the discipline program, a graduate should have universal, general professional and professional competencies: CC – 1,4,5; OPC – 1, 4, 5,10; PC – 5, 6, 7, necessary to achieve work functions in accordance with the Professional standard of a medical doctor (district therapist)

Universal competencies:

Systemic and critical thinking (category)

CC-1 is able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions

Communication.

UK-4 is able to apply modern communication technologies, including in a foreign language, for academic and professional interaction

Cross-cultural interaction

CC-5 is able to analyze and take into account the diversity of cultures in the process of intercultural interaction

General professional competencies:

Ethical and legal foundations of professional activity.

OPK-1 is able to implement moral and legal norms, ethical and deontological principles in professional activity

Diagnostic instrumental methods of examination

OPK-4 is capable of using medical devices provided for by the procedure for providing medical care, as well as conducting examinations of the patient in order to establish a diagnosis

Etiology and pathogenesis

OPK-5 is able to evaluate morphofunctional, physiological states and pathological processes in the human body to solve professional tasks

Information literacy

OPK-10 is able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies, taking into account the basic requirements of information security

Professional:

Conducting a patient examination in order to establish a diagnosis (labor function)

PC-5 is able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and make a plan for laboratory and instrumental examinations of the patient

The PC-6 is able to refer the patient for laboratory, instrumental examination, for consultation with specialist doctors if there are medical indications in accordance with the current procedures for providing medical care, on issues of providing medical care taking into

account the standards of medical care, as well as to refer the patient for specialized medical care in inpatient conditions or in a day hospital when availability of medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care

PC-7 is able to carry out differential diagnostics with other diseases/ conditions, including urgent ones, to establish a diagnosis taking into account the current international statistical classification of diseases and health-related problems (ICD)

1.2. Tasks of the discipline:

1. To form knowledge of symptoms, syndromes, features of anamnesis, modern methods of clinical, laboratory and instrumental examination of patients with diseases of internal organs; etiology, pathogenesis, clinical manifestations, features of the course and possible complications occurring in typical form in adult patients of various age groups; diagnostic criteria of diseases and emergency conditions; methodology of diagnosis in accordance with the modern International Statistical Classification of Diseases ICD-10 (11)

2. To form the ability 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, percussion, auscultation, blood pressure measurement, etc.); to conduct an initial examination of all body systems.

3. To form the skills of: evaluating the results of physical examination of patients with diseases of internal organs; interpreting the results of laboratory, instrumental diagnostic methods; compiling an algorithm for making a detailed clinical diagnosis in accordance with the modern International Statistical Classification of Diseases ICD-10 (11)

4. To provide the opportunity to acquire practical experience in the diagnosis of diseases of internal organs in the conditions of a simulation center³.

1.3. Requirements to the deliverables of mastering the discipline

At the end of the course of Propaedeutics of internal diseases, which includes a series of lectures, clinical practical classes, independent work, the student must:

Know:

- Algorithm of examination of therapeutic patients, rules and stages of examination of the patient, physical methods of examination of the patient;
- Anatomical and physiological, age and sexual characteristics of a healthy and sick person;
- The causes of the main pathological processes in the body and the mechanisms of their development; etiology, pathogenesis and preventive measures of the most common diseases;
- The main clinical symptoms and syndromes of diseases of internal organs, urgent conditions in patients with various therapeutic diseases, taking into account their course;
- Symptomatology of the most common diseases of internal organs, clinical picture, features of the course and possible complications of the most common diseases occurring in a typical form in different age groups;
- Classical diagnostic methods, their diagnostic capabilities in the examination of a patient with a therapeutic profile, modern methods of clinical, laboratory, instrumental examination of patients (immunological, endoscopic, radiation diagnostic methods);
- Methodology of diagnosis, diagnostic criteria. Principles of clinical diagnosis in a therapeutic patient in accordance with the modern International Statistical Classification of Diseases ICD-10 (11);
- The structure of the medical history and the rules for filling it out and maintaining;
- Lexical minimum of general and terminological character, basic medical terminology in Latin and foreign languages;
- Principles of ethics and deontology, rules of conduct of a doctor with colleagues, with

secondary and junior medical staff, with a patient, with his relatives;

- Factors shaping human health; diseases associated with the adverse effects of climatic and social factors.

Be able to:

- Conduct a survey of the patient or his relatives, collect anamnesis of life and history of the disease in order to determine the status of the patient and obtain complete information about the disease, establishing possible causes of its occurrence in typical cases;

- Assess the factors affecting the patient's physical and psychological health: professional, environmental, cultural, ethnic, religious, individual, family, social risk factors;

- Conduct a clinical examination of patients using physical methods (examination, percussion, palpation, auscultation, measurement of blood pressure, respiratory rate, pulse) and identify objective signs of the disease;

- Conduct an initial examination of the patient's systems and organs;

- Identify the main pathological symptoms and syndromes, urgent conditions in patients with various therapeutic diseases, taking into account their course and substantiate them;

- Establish, substantiate and formulate a clinical diagnosis of the most common diseases of internal organs occurring in a typical form in accordance with the International Classification of Diseases ICD 10 (11);

- Assess the patient's condition and priorities for making a decision on the need to provide him with medical care: critical condition, pain syndrome, chronic disease, infectious disease, disability, geriatric problems;

- To plan the volume of additional laboratory and instrumental studies in accordance with the prognosis of the disease, to clarify the diagnosis and obtain a reliable result;

- Decipher typical ECGs in 12 leads of a healthy person, as well as patients with the most frequent rhythm and conduction disorders, with ventricular myocardial hypertrophy, acute myocardial infarction and chronic forms of coronary artery disease;

- Interpret the spirogram in obstructive and restrictive types of respiratory disorders;

- Evaluate the phonocardiogram for mitral, aortic and tricuspid defects;

- Evaluate the results of a general blood test, urine, sputum, feces, pleural effusion, as well as a biochemical blood test;

- To determine changes in the main pulmonary syndromes from the radiograph of the lungs;

- Evaluate the results of ultrasound examination of internal organs and the results of echocardiography;

- Present the results of the examination of the patient in the form of a medical history with justification of the preliminary diagnosis, registration of a temperature sheet and drawing up a plan for further examination of the patient. To report the patient's medical history at a medical conference;

- Work with scientific and medical literature;

- Make a public presentation, report, and lead a discussion;

- To train patients and their relatives in basic hygienic measures of a health-improving nature, skills of self-control of basic physiological indicators that contribute to the preservation and promotion of health, disease prevention.

- To carry out their activities taking into account the moral, ethical and legal norms accepted in society, to keep medical secrets;

- Build and maintain working relationships with other members of the team; protect the rights of the doctor and the patient;

- Work with texts of professional content in a foreign language, use at least 900 terminological units and term elements;

Be able to:

Have practical experience:

- Applying medical knowledge in practice;

- Communication with medical personnel, with patients and their relatives, taking into account ethnic, confessional and cultural differences, ethical and deontological aspects of medical activity;
- Work with patients to inform them and their relatives in accordance with the requirements of the "informed consent" rules;
- The use of foreign languages to the extent necessary for communication and obtaining information from foreign sources, reading and writing skills in Latin clinical and pharmaceutical terms and recipes;
- Work with modern medical scientific literature and regulatory documents;
- Collaboration with colleagues of related specialties;
- Conducting a physical general clinical examination of the patient (survey, examination, palpation, percussion, auscultation, blood pressure measurement, assessment of pulse, respiration, ECG characteristics);
- Filling in the inpatient patient's medical history;
- Carrying out diagnostic measures of pathological symptoms and syndromes, urgent conditions in patients with various therapeutic diseases, taking into account their course;
- Interpretation of the results of laboratory, instrumental studies and methods of radiation diagnostics;
- Making a clinical diagnosis in a therapeutic patient, taking into account generally accepted requirements and the International Classification of Diseases ICD10 (11);
- Development of a plan of therapeutic and preventive measures taking into account the peculiarities of the development and course of the disease;
- Work on teaching patients and their relatives basic hygienic measures of a health-improving nature, skills of self-control of basic physiological indicators that contribute to the preservation and promotion of health, disease prevention.;
- Work on a personal computer using modern statistical programs of medical statistics and analysis.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

The place of discipline in the structure of the OOP in the FGBOU IN the PIM of the Ministry of Health of Russia.

2.1. The discipline belongs to the academic cycle of Block 1 of the Discipline (modules), the variable part, the discipline of choice B1.V.DV.2

The discipline is studied in the sixth semester.

2.2. To study the discipline requires knowledge, skills and practical experience formed by previous disciplines and practices: physics, mathematics, chemistry, bioorganic chemistry, biology, anatomy, patient care, biochemistry, clinical aspects of biochemistry, normal physiology, methods of research of physiological functions, pathological physiology, clinical pathophysiology, pathological anatomy, clinical pathological anatomy, pharmacology, first aid, educational practice – patient care of therapeutic profile.

2.3. The study of the discipline is necessary to gain knowledge, skills and practical experience formed by subsequent disciplines and practices: faculty therapy, occupational diseases, polyclinic therapy, hospital therapy, endocrinology, infectious diseases, rheumatology, gastroenterology, fundamentals of emergency care, industrial practice – physician's assistant, industrial practice – assistant physician outpatient clinic.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1	is able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy for actions of	<p>1. IUK 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis</p> <p>IUK 1.2 is able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on actions, experiment and experience</p> <p>IUK 1.3 Has practical experience: researching the problems of professional activity using analysis, synthesis and other methods of intellectual activity; developing strategies for solving professional problems methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis to gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific</p>	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	to gain new knowledge based on analysis, synthesis, etc.; to collect data on complex scientific problems related to the professional field; to search for information and solutions based on actions, experiment and experience	research of the problem of professional activity with the use of analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems

			problems related to to the professional field; to search for information and solutions based on actions, experiment and experience			
2.	UC-4	is able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies IUK 4.2 Can: express your thoughts in Russian and a foreign language in business communication Russian Russian Specialist 4.3 Has practical experience: drafting texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian;	fundamentals of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies	express your thoughts in Russian and a foreign language in business communication	writing skills related to professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages
3.	UC-5	is able to analyze and take into account the diversity of cultures in the process of intercultural interaction of	IUK5.1 Knows: the main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization 5.2 will be able to: present professional information competently and in an accessible manner in the process of	the main categories of philosophy , the laws of historical development, the basics of intercultural communication; the basic concepts	to present professional information competently and in an accessible manner in the process of intercultural interaction ; to observe	skills of productive interaction in a professional environment, taking into account national, ethno-cultural, professional characteristics; overcoming communicati

			<p>intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno-cultural, confessional characteristics</p> <p>IUK 5.3 Has practical experience in: productive interaction in a professional environment, taking into account national, ethno-cultural, confessional characteristics; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural interaction.</p>	of human interaction in the organization	ethical norms and human rights; to analyze the features of social interaction taking into account national, ethno-cultural, confessional characteristics	ve, educational, ethnic, confessional and other barriers in the process of intercultural interaction
4.	OPC-1	is able to implement moral and legal norms, ethical and deontological principles in professional activity	<p>IOPK 1.1 Knows: fundamentals of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity</p> <p>IOPC 1.2 is able to: apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving professional tasks; apply rules and norms of interaction of a doctor with colleagues and patients (their legal representatives)</p>	legal aspects of medical activity to apply ethical norms and principles of behavior of a medical worker when performing their professional duties; knowledge of modern legislation in the field of healthcare when solving	apply rules and norms of interaction of a doctor with colleagues and patients (their legal representatives)	practical experience: solving standard tasks of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of legal aspects of medical activity

			IOPK 1.3 Has practical experience: solving standard tasks of professional activity on the basis of ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of legal aspects of medical activity	problems of professional activity;		
5.	OPC-4	is able to use medical devices provided for by the procedure for providing medical care, as well as to conduct examinations of the patient in order to establish the diagnosis	IOPK 4.1 Knows the methodology for collecting anamnesis of life and diseases, complaints from patients (their legal representatives); the methodology of examination and physical examination; clinical picture, methods of diagnosis of the most common diseases; methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of	collect complaints anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology in patients; identify	collect complaints anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology in patients; identify	collection of complaints, anamnesis of life and disease in patients (their legal representatives), identification of risk factors and causes of diseases; examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional

			<p>medical care, care taking into account the standards of medical care</p> <p>IOPC 4.2 is able to:</p> <p>collect complaints, anamnesis of life and disease in patients (their legal representatives), identify risk factors and causes of disease development; apply methods of examination and physical examination of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, make a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations with specialist doctors in accordance with the</p>	<p>risk factors for oncological diseases; formulate a preliminary diagnosis, make a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for providing medical care, clinical recommendations, taking into</p>	<p>risk factors for oncological diseases; formulate a preliminary diagnosis, make a plan for conducting laboratory, instrumental and additional studies in patients in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients to laboratory, instrumental and additional studies in accordance with the current procedures for providing medical care, clinical recommendations, taking into</p>	<p>studies, consultations of specialist doctors; referrals of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in accordance with current medical care procedures, clinical recommendations, taking into account medical care standards; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and health-related problems (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases,</p>
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			<p>procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; conduct differential diagnosis of diseases in patients; to identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; to use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p> <p>IDOPK 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical examination of patients; diagnosis</p>	<p>account the standards of medical care; refer patients for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; conduct differential diagnosis</p>	<p>account the standards of medical care; refer patients for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors of patients; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; conduct differential diagnosis</p>	<p>exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring medical care in an urgent form; the use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, care taking into account the standards of medical care</p>
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			<p>of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations of specialist doctors; referrals of patients for instrumental, laboratory, additional studies, consultations of specialist doctors in accordance with current medical care procedures, clinical recommendations, taking into account medical care standards; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and health-related problems (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring medical care in an urgent form; the use of medical devices in accordance with current medical procedures, clinical recommendations</p>	<p>of diseases in patients; to identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; to use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>	<p>of diseases in patients; to identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; to use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>	
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			<p>(treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care methods of collecting anamnesis of life and diseases, complaints from patients (their legal representatives); methods of examination and physical examination; clinical picture, methods of diagnosis of the most common diseases; methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions requiring urgent medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care</p>			
6.	OPC-5	is able to assess morphofunctional, physiological conditions and pathological processes in the	IOPK-5.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy	anatomy, histology, embryology, topographic anatomy,	to evaluate the main morphofunctional data, physiologi	to check the main morphofunctional data, physiological conditions

		human body to solve professional tasks,	and physiology of human organs and systems IOPC 5. 2 is able to: evaluate the basic morphofunctional data, physiological states and pathological processes in the human body IOPK5. 3. Has practical experience: assessment of basic morphofunctional data, physiological conditions and pathological processes in the human body when solving professional tasks	physiology , pathological anatomy and physiology of human organs and systems	cal conditions and pathological processes in the human body	and pathological processes in the human body
7.	OPC-10	is able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security a	OPK10. 1.Knows: the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities IOPC10. 2.He is able to: apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master	to master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security	to apply modern information and communication technologies to solve the tasks of professional activity; to carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; to use	to master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security

			and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security IOPC 10 3. Has practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security, the possibilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activity		modern medical and biological terminology	
8.	PC-5	is able to collect complaints, anamnesis of the patient's life and illness, conduct a full physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan	IPK 5.1 Knows: The legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activity medical organizations and medical workers; methods of collecting complaints, anamnesis of the patient's life and illness; the methodology of a complete physical	The legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical	regularities of functioning of a healthy human body and mechanisms of ensuring health from the standpoint of the theory of functional	collecting complaints, anamnesis of the patient's life and illness and analyzing the information received; conduct a full physical examination of the patient (examination, palpation, percussion,

		for laboratory and instrumental examinations of the patient	<p>examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; regularities of functioning of a healthy human body and mechanisms of ensuring health from the standpoint of the theory of functional systems; features of regulation of functional systems of the human body in pathological processes; methods of laboratory and instrumental studies to assess the state of health, medical indications for research, rules for interpreting their results</p> <p>IPK 5.2 is able to: collect complaints, anamnesis of the patient's life and illness and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the order of volume, content and sequence of diagnostic measures</p>	<p>organizations and medical workers; the method of failure, anamnesis of life and disease of the patient; the method of complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs;</p>	<p>systems; features of regulation of functional systems of the human body in pathological processes; methods of laboratory and instrumental studies to assess the state of health, medical indications for research, rules for interpreting their results</p>	<p>auscultation) and interpret its results; determining the order of the volume, content and sequence of diagnostic measures</p>
9.	PC-6	Is able to refer the patient for laboratory,	IPK 6 1. Knows: general issues of organization of	general issues of organization	to justify the need and scope	substantiation of the need and scope of

		instrumental examination, for consultation with specialist doctors if there are medical indications in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care, as well as to refer the patient for specialized medical care in inpatient conditions or in conditions of a day hospital in the presence of medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	medical care to the population methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care IPK 6 2. Is able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	n of medical care to the population methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care	of laboratory examination of the patient; to justify the need and scope of instrumental examination of the patient; to justify the need to refer the patient for consultations with specialist doctors; to determine medical indications for the provision of emergency, including emergency specialized, medical care	laboratory examination of the patient; substantiation of the need and scope of instrumental examination of the patient; justification of the need to refer the patient for consultations with specialist doctors; determination of medical indications for the provision of emergency, including emergency specialized, medical care
10.	PC-7	is able to carry out differential diagnostics with other	IPK 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture,	etiology, pathogenesis and pathomorp	analyze the results of the patient's	interpretation of the results of collecting information

		<p>diseases/conditions, including urgent ones, to establish a diagnosis taking into account the current international statistical classification of diseases and health-related problems (ICD)</p>	<p>differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; ICD IPK 7.2 is able to: analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during the consultations of the patient by specialist doctors; carry out differential diagnosis of diseases internal organs from other diseases</p>	<p>hology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results; ICD</p>	<p>examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during the consultations of the patient by specialist doctors; to carry out differential diagnostics of diseases of internal organs from other diseases of the analysis of</p>	<p>about the patient's disease; interpretation of data obtained during laboratory examination of the patient; interpretation of data obtained during instrumental examination of the patient; interpret data obtained during consultations of the patient by specialist doctors; differential diagnosis of diseases of internal organs from other diseases</p>
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					the results of the examination of the patient, if necessary, substantiation and planning of the volume of additional studies	
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4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1	UC-1,4,5 OPK-1,4,5,10 PK-5,6.7	Examination of a patient with blood diseases. The main syndromes and diseases of the blood system 1. Principles of diagnosis in diseases of the hematopoietic organs	1. Features of complaints: general and specific. Anamnesis features: connection with past infections, chronic inflammatory diseases, etc. 2. Physical examination methods in the diagnosis of blood diseases. General examination: skin coloration, hemorrhages, traces of scratching. Examination of the oral cavity: swelling, puffiness, bleeding gums, redness, cracks, atrophied papillae of the tongue, necrotic changes on the tonsils, etc. Palpation of lymph nodes, liver, spleen: lymphadenopathy, hepatosplenomegaly. 3. Laboratory and instrumental research methods. Clinical blood analysis, bone marrow analysis, studies for hemorrhagic syndrome: coagulation of whole blood, duration of bleeding, blood clot retraction, capillary resistance, prothrombin index. 4. The main clinical syndromes in diseases of the hematopoietic organs: anemia syndrome, hemorrhagic syndrome, myeloproliferative, lymphoproliferative syndromes Clinical manifestations, laboratory diagnostics. 5. The main diseases of the hematopoiesis system. Anemia: posthemorrhagic, iron deficiency, hemolytic, aplastic. Leukemia: acute and chronic. Chronic myeloid leukemia and lymphocytic leukemia. Hemorrhagic diathesis: hemophilia, thrombocytopathies, vasopathies. Etiology, pathogenesis, clinical manifestations, diagnostic methods, principles of treatment.
2	UC-1,4,5 OPK-1,4,5,10 PK-5,6.7	Examination of a patient with diseases of the joints and musculoskeletal system. The main syndromes and diseases of the musculoskeletal system	1. The basic principles of diagnosis of diseases of joints and muscles. Questioning. Features of complaints and anamnesis. 2. Physical methods in rheumatology. General and local inspection. Examination of joints, muscles, bones. Palpation. Conducting special motor tests. 3. Laboratory and instrumental research methods in rheumatology. Biochemical blood tests (protein fractions, acute phase proteins); uric acid, its clearance; rheumatoid factor; resoquin test. Immunological methods: CEC, immunoglobulins, cryoglobulins, antibodies to antigenic determinants of streptococcus, hepatitis B virus, C, cardiolipin, native DNA, collagen, complement content, HLA-27. Immunofluorescence methods: smears from the urethra, cervix, rectum on chlamydia, mycoplasma, ureaplasma.

			<p>4. Methods of radiation diagnostics in rheumatology. Radiography of bones and joints, spine, ultrasound of joints, CT and MRI of joints and spine, densitometry, arthroscopy, puncture of joints, biopsy of synovial membranes.</p> <p>5. The main diseases of the joints. Rheumatoid arthritis, ankylosing spondyloarthritis, osteoarthritis, gout, reactive arthritis, osteoporosis, Reiter's disease. Etiology, pathogenesis, clinical manifestations, laboratory and instrumental diagnostic methods, principles of treatment..</p>
3	UC-1,4,5 OPK-1,4,5,10 PK-5,6.7	Acute allergic diseases.	Acute allergic reactions in the clinic of internal diseases. Urticaria. Quincke's edema. Anaphylactic shock. Causes, mechanisms of development, clinical manifestations, diagnostic methods, emergency care

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic hours (AH)	4	5	6	
Classroom work, including	0,61	22	-	22		
Lectures (L)	0,17	6	-	6		
Laboratory practicum (LP)*	-	-	-	-	-	
Practicals (P)	-	-	-	-	-	
Seminars (S)	0,44	16	-	16	-	
Student's individual work (SIW)	-	-	-	-	-	
Mid-term assessment	0,39	14	-	14		
credit/exam (<i>specify the type</i>)						
TOTAL LABOR INTENSITY	-	36		36		