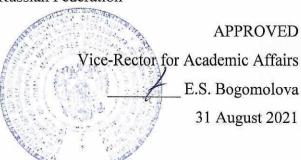
# Federal State Budgetary Educational Institution of Higher Education "Privolzhsky Research Medical University" Ministry of Health of the Russian Federation



#### WORKING PROGRAM

Name of the academic discipline: HOSPITAL THERAPY AND ENDOCRINOLOGY

Specialty: 31.05.01 GENERAL MEDICINE

(code, name)

Qualification: GENERAL PRACTITIONER

Department: ENDOCRINOLOGY AND INTERNAL DISEASES

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 468 academic hours

The working program has been developed in accordance with the Federal State Educational Standard for specialty 31.05.01 GENERAL MEDICINE approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

### Developers of the working program:

Petrov Alexander Vladimirovich, MD, PhD, Associate Professor, Associate Professor of the Department of Endocrinology and Internal Medicine

The work program was reviewed and approved at a meeting of the Department of Endocrinolog
and Internal Medicine,
protocol No dated 01 June 2021
Head of the Department

Head of the Department,	Con many	
MD, PhD, Associate professor	Somme	Pochinka Iliya Grigirievich
	(signature	)
01 June 2021		

AGREED
Deputy Head of EMA ph.d. of biology \_\_\_\_\_\_Lovtsova L.V. (signature)

01 June 2021

### 1. The purpose and objectives of mastering the discipline Hospital therapy and endocrinology.

1.1. The purpose of mastering the discipline.

The main goal of mastering and teaching the discipline is to participate in the formation of universal, general professional and professional competencies necessary for a university graduate in this specialty to perform the required amount of actions in accordance with the professional standard "physician"

#### 1.2. Tasks of studying the discipline.

As a result of studying the discipline, the student must:

#### Know:

- etiology, pathogenesis, diagnosis, treatment and prevention of the most common diseases among the population;
- clinical picture, course features and possible complications of the most common diseases occurring in a typical form in adolescents and adults;
- modern methods of clinical, laboratory and instrumental diagnostics of therapeutic patients;
- features of providing medical care to the adult population and adolescents in emergency conditions;
- clinical and pharmacological characteristics of the main groups of drugs and the rational choice of specific drugs in the treatment of the main pathological syndromes of diseases and emergency conditions in patients;
- indications and contraindications for referring patients with the most common diseases to sanatorium treatment;
- the basics of organizing inpatient care for adolescents and adults;
- maintenance of standard accounting and reporting medical documentation in medical and preventive institutions of the healthcare system, examination of working capacity;
- the basics of applying the methods of evidence-based medicine in assessing the health status of the adult population and adolescents, the activities of medical institutions and in scientific research;

#### Be able to:

- collect anamnesis; conduct a survey of the patient and his relatives, conduct a physical examination of the patient (examination, palpation, percussion, auscultation, measurement of blood pressure, determination of the characteristics of the pulse, respiratory rate, etc.);
- send for laboratory and instrumental examination, for consultation with specialists;
- interpret the results of the examination, use the data of a physical, laboratory and instrumental examination, laboratory data for making a diagnosis on an outpatient and inpatient basis.
- outline the scope of additional studies to clarify the diagnosis; formulate a clinical diagnosis;
- develop an optimal treatment plan for a sick person, taking into account the course of the disease, select and prescribe drug therapy taking into account the pharmacokinetics and pharmacodynamics of drugs, prevent their unwanted side effects, use non-drug treatment methods;
- draw up a rehabilitation program at the hospital and outpatient stage, monitor its implementation;
- provide qualified assistance in the most common emergency conditions: hypertensive crisis, an attack of bronchial asthma, anginal attack, an attack of hepatic and renal colic, etc.;
- to diagnose and provide emergency care for coma in patients with diabetes mellitus;
- timely and correctly recognize the borderline pathology encountered in the practice of the therapist:
  - the most frequent infectious diseases and especially dangerous infections;
  - mental illness;
  - diseases of the endocrine system;

- tuberculosis:
- ENT diseases;
- diseases of the peripheral nerHEus system;
- acute abdomen;
- determine the fact of temporary disability, its cause, the criteria for recovery and rehabilitation;
- determine the indications for employment, the establishment of a disability group and its prediction;
- maintain medical documentation of various nature in outpatient and inpatient facilities;
- carry out sanitary and educational work, draw up its plan;
- supervise the work of nursing staff in the hospital;

#### Possess:

- basic information transformation technologies: text, spreadsheet editors; technique of working on the Internet for professional activities;
- methods of maintaining medical accounting and reporting documentation in medical and preventive institutions of the healthcare system;
- assessments of the health status of the population of various age, sex and social groups;
- methods of general clinical examination of patients;
- interpretation of the results of laboratory, instrumental diagnostic methods in patients;
- an algorithm for making a preliminary diagnosis to patients with their subsequent referral for additional examination and to specialist doctors;
- an algorithm for making a detailed clinical diagnosis;
- an algorithm for the implementation of basic medical diagnostic and therapeutic measures to provide first medical aid to the population in urgent and life-threatening conditions.

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

2.1. The discipline "hospital therapy and endocrinology" of Block 1 of GEP HE (Academic discipline index).

The discipline is taught in 9,10,11,12 semesters/5-6 years of study.

## 2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

- in the cycle of humanitarian and socio-economic disciplines (philosophy, bioethics; jurisprudence; history of medicine; Latin and foreign languages);
- in the cycle of mathematical, natural science disciplines: physics, mathematics; medical informatics; chemistry; psychiatry, biology; biochemistry; anatomy; topographic anatomy and operative surgery; histology, embryology, cytology; normal physiology; microbiology, virology; immunology; pathological anatomy, clinical pathological anatomy; pathophysiology, clinical pathophysiology; pharmacology;
- in the cycle of professional disciplines: propaedeutics of internal diseases, radiation diagnostics; faculty therapy; endocrinology; polyclinic therapy; anesthesiology, resuscitation, intensive therapy; traumatology, orthopedics, general surgery, radiation diagnostics; faculty surgery, urology; hospital surgery; obstetrics and gynecology; pediatrics; oncology, radiation therapy; dentistry; hygiene; public health and health care, health economics; infectious diseases; epidemiology; medical rehabilitation; clinical pharmacology; phthisiology; dermatovenereology; neurology, medical genetics, neurosurgery; psychiatry; medical psychology; otolaryngology; ophthalmology; forensic Medicine; life safety, disaster medicine;

### 2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

not applicable, this discipline is the final one in the training program

**3.** The results of mastering the discipline and indicators of the achievement of competencies: The study of the discipline is aimed at developing the following universal (UC), general professional (GPC) and professional (PC) competencies among students:

n /	The code	The content of the	Code and name of the indicator of	As a result of students shou	f studying the old:	discipline,
p/no	com pete ncie s	competence (or part of it)	achievement of competence	Know	Be able to	Own
1.	UC- 1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IET 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUK 1.2 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 action, experiment and experience IUK 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	methods of critical analysis and evaluation of modern scientific achievemen ts; basic principles of critical analysis,	receive new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professiona l field; search for information and solutions based on action, experiment and experience	the skills of researching the problem of professiona l activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professiona l problems
2.	UC- 4	Able to apply modern communicatio	IUK 4.1 Knows: the basics of oral and written communication	basics of oral and written	express your thoughts in	skills in compiling texts in
		n technologies, including in a foreign language(s), for academic and	in Russian and foreign languages, functional styles of the native language, requirements for business	communica tion in Russian and foreign languages, functional	Russian and foreign languages in business communica tion	Russian and foreign languages related to professiona l activities;

		professional	communication,	styles of		experience
		interaction	modern means of	the native		in
		interaction	information and	language,		translating
			communication	requiremen		medical
				ts for		texts from a
			technologies IUK 4.2 Knows how	business		
						foreign
			to: express their	communica		language
			thoughts in Russian	tion,		into
			and foreign languages	modern		Russian;
			in business	means of		experience
			communication	information		of speaking
			IUK 4.3 Has practical	and .		Russian
			experience in:	communica		and foreign
			compiling texts in	tion		languages
			Russian and foreign	technologie		
			languages related to	S		
			professional activities;			
			experience in			
			translating medical			
			texts from a foreign			
			language into Russian;			
			experience of speaking			
			Russian and foreign			
			languages			
3.	UC-	Able to	IUK 5.2 Is able to:	the main	competentl	skills of
	5	analyze and	competently, clearly	categories	у,	productive
		take into	present professional	of	accessible	interaction
		account the	information in the	philosophy,	to express	in a
		diversity of	process of intercultural	the laws of	professiona	professiona
		cultures in the	interaction; observe	historical		1 .
		process of	ethical standards and	developme	information	environmen
		intercultural	human rights; analyze	nt, the	in the	t, taking
		interaction	the features of social	foundations	process of	into
			interaction, taking into	of	intercultura	account
			account national,	intercultura	1	national,
			ethno-cultural,	1	interaction;	ethno-
			confessional	communica	observe	cultural,
			characteristics	tion; basic	ethical	confessiona
			IUK 5.3 Has practical	concepts of	standards	l abomo et a mist
			experience: productive	human	and human	characterist
			interaction in a	interaction	rights;	ics;
			professional	in an	analyze the features of	overcoming
			environment, taking	organizatio	social	communica
			into account national, ethno-cultural,	n		tive, educational
			confessional		interaction,	
			characteristics;		taking into account	, ethnic, confessiona
			overcoming		national, ethno-	l and other
			communicative,			barriers in
			educational, ethnic,		cultural,	the process
			confessional and other		confessiona	of
			barriers in the process		1	intercultura

			of intercultural		characterist	1
			interaction		ics	interaction
4.	GP	Able to	IOTC 1.1 Knows:	foundations	apply	skills in
	C-1	implement	basics of medical	of medical	ethical	solving
		moral and	ethics and deontology;	ethics and	standards	standard
		legal norms,	fundamentals of	deontology;	and	problems
		ethical and	legislation in the field	fundamenta	principles	of
		deontological	of healthcare; legal	ls of	of behavior	professiona
		principles in	aspects of medical	legislation	of a	l activity
		professional	practice	in the field	medical	based on
		activities	IOPC 1.2 Is able to:	of	worker in	ethical
			apply ethical norms	healthcare;	the	norms and
			and principles of	legal	performanc	deontologic
			behavior of a medical	aspects of	e of their	al
			worker in the	medical	professiona	principles
			performance of their	practice	1 duties;	when
			professional duties;		knowledge	interacting
			knowledge of modern		of modern	with
			legislation in the field		legislation	colleagues
			of healthcare in		in the field	and
			solving problems of		of	patients
			professional activity;		healthcare	(their legal
			apply the rules and norms of interaction		in solving	representati
			between a doctor and		problems of	ves), knowledge
			colleagues and patients		professiona	of the legal
			(their legal		l activity;	aspects of
			representatives)		apply the	medical
			IOPC 1.3 Has practical		rules and	practice
			experience: solving		norms of	practice
			standard problems of		interaction	
			professional activity		between a	
			based on ethical norms		doctor and	
			and deontological		colleagues	
			principles when		and	
			interacting with		patients	
			colleagues and patients		(their legal	
			(their legal		representati	
			representatives),		ves)	
			knowledge of the legal			
			aspects of medical			
	CD	A 1 1	practice	.1 .	1 ,	1 '11 /
5.	GP	Able to	IOPC 2.1 Knows: the	the main	conduct	skills to
	C-2	conduct and monitor the	main criteria for a	criteria for	sanitary	promote a
		effectiveness	healthy lifestyle and methods of its	a healthy	and	healthy
		of preventive	formation; socio-	lifestyle and	hygienic education	lifestyle and prevent
		measures, the	hygienic and medical	methods of	among	the most
		formation of a	aspects of alcoholism,	its	children	common
		healthy	drug addiction,	formation;	and adults	diseases;
		lifestyle and	substance abuse, the	socio-	(their legal	carrying
		sanitary and	basic principles of	hygienic	representati	out
Щ		Surricui y unu	caste principles of	11/5101110	10p10scillati	J 600

hygienic their prevention; forms and ves) and sanitarymedical educational education of and methods of medical the population sanitary and hygienic aspects of workers in work education among alcoholism, order to among patients (their legal drug form children representatives), addiction, healthy and adults; medical workers; basic substance lifestyle formation health-improving abuse, the and prevent in children hygiene measures that basic the most and adults promote health and principles common (their legal prevent the most of their diseases; to representati common diseases; ves) of prevention; carry out fundamentals of sanitary behavior forms and preventive medicine; methods of and aimed at stages of planning and sanitary educational maintaining implementation of and work and community programs hygienic among improving for the prevention of education children the level of the most common among and adults somatic diseases patients in order to health: IOTC 2.2 Is able to: (their legal form a formation conduct health and representati healthy of healthy hygiene education ves). lifestyle lifestyle programs, among children and medical and prevent adults (their legal workers; the including most representatives) and basic common programs medical workers in healthdiseases; to to reduce order to form a healthy alcohol and improving form in lifestyle and prevent hygiene children tobacco the most common measures and adults consumptio diseases; to carry out that (their legal n, prevent sanitary and representati and combat promote educational work health and ves) the nonamong children and prevent the behavior medical adults in order to form most aimed consumptio at a healthy lifestyle and common maintaining n of prevent the most diseases; and narcotic common diseases: to fundamenta improving drugs and the level of form in children and ls of psychotropi adults (their legal preventive somatic representatives) medicine; health; substances; behavior aimed at stages of develop developme nt of a plan maintaining and planning and improving the level of and implement of programs somatic health; implementa preventive develop and tion of for the measures implement programs community formation and the for the formation of a of a healthy implementa programs healthy lifestyle, for the lifestyle, tion of including programs to including prevention methods of reduce the group and of the most programs individual consumption of common to reduce

alcohol and tobacco, diseases the prevention prevent and combat consumptio of the most the non-medical n of alcohol common consumption of and diseases: narcotic drugs and prescribing tobacco, psychotropic preventive prevent and substances; develop a combat the measures plan of preventive for children nonmeasures and medical and adults, implement methods of consumptio taking into group and individual account prevention of the most risk factors, narcotic common diseases; oncological drugs and prescribe preventive psychotropi and measures to patients, hygienic taking into account prevention substances; risk factors for the develop in prevention and early plan accordance of detection of diseases, preventive with the including cancer; measures procedures select and prescribe and for drugs and non-drug providing implement methods for the methods of medical prevention of the most care. group and common diseases individual clinical IOTC 2.3 Has prevention recommend practical experience of the most ations, in: promotion of a common taking into healthy lifestyle and account the diseases; prevention of the most standards prescribe common diseases: preventive of medical carrying out sanitarymeasures to care; educational work patients, selection among children and taking into and adults: formation in prescription account children and adults risk factors of drugs and non-(their legal for the representatives) of prevention drug behavior aimed at and early methods maintaining and detection of for the improving the level of diseases, prevention somatic health; including of the most formation of healthy cancer: common lifestyle programs, select and diseases including programs to prescribe reduce alcohol and drugs and tobacco consumption, non-drug prevent and combat methods the non-medical for the consumption of prevention narcotic drugs and of the most psychotropic common

		substances; development of a plan of preventive measures and the implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors, oncological and		diseases	
		of preventive measures and the implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		and the implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		diseases; prescribing preventive measures for children and adults, taking into account risk factors,			
		preventive measures for children and adults, taking into account risk factors,			
		for children and adults, taking into account risk factors,			l l
		taking into account risk factors,			
		risk factors,			
		l '			
		hygienic prevention in			
		accordance with the			
		procedures for			
		providing medical			
		care, clinical			
		recommendations,			
		taking into account the			
		standards of medical			
		care; selection and			
		prescription of drugs			
		and non-drug methods			
		for the prevention of			
		the most common			
		diseases			
GP	Able to use	IOTC 4.1 Knows the	Knows the	collect	Has
C-4	medical	methodology for	methodolog	complaints,	practical
	devices	collecting anamnesis	y for	anamnesis	experience:
	provided for	of life and diseases,	collecting	of life and	collecting
	by the order of	complaints from	an .	disease in	complaints,
	medical care,	patients (their legal	anamnesis	patients	anamnesis
	as well as	representatives);	of life and	(their legal	of life and
	conduct	method of examination	diseases,	representati	disease in
	examinations	and physical	complaints from	ves),	patients
	of the patient in order to	examination; clinical picture, diagnostic	patients	identify risk factors	(their legal representati
	establish a	methods of the most	(their legal	and causes	ves),
	diagnosis	common diseases;	representati	of the	identifying
	diagnosis	methods of laboratory	ves);	developme	risk factors
		and instrumental	method of	nt of	and causes
		studies for assessing	examinatio	diseases;	of diseases;
		the state of health,	n and	apply	examinatio
		1			
			- •		
		_			
		1 0	· ·		n of
		international statistical	diagnostic	examinatio	patients;
	İ		_		
		classification of	methods of	n of	diagnosis
		medical indications for conducting studies, rules for interpreting their results; international statistical	physical examinatio n; clinical picture, diagnostic	methods of examinatio n and physical	n and physical examinatio n of

health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care IOPC 4.2 Is able to: collect complaints, anamnesis of life and disease from patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of patients; interpret the results of the examination and physical examination of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up 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 for laboratory, instrumental and

common diseases; methods of laboratory and instrumenta l studies for assessing the state of health. medical indications for conducting studies, rules for interpreting their results: internationa 1 statistical classificatio n of diseases and related health problems (ICD); conditions requiring emergency medical care; the procedure for the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommend ations (treatment protocols) on the provision

of medical

interpret the results of the examinatio n and physical examinatio n of patients; diagnose the most common pathology in patients; identify risk factors for cancer; formulate a preliminary diagnosis, draw up a plan for conducting laboratory, instrumenta 1 and additional studies in patients in accordance with the procedures for providing medical care. clinical recommend ations, taking into account the standards of medical care; refer patients for laboratory, instrumenta 1 and additional studies in accordance the with

common diseases; identificati on of risk factors for major cancers; formulating preliminary diagnosis, drawing up a plan for instrumenta laboratory, additional studies. consultatio ns with specialist doctors; referral of patients for instrumenta 1. laboratory, additional studies, consultatio ns of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommend ations, taking into account the standards of medical care: interpretati on of data

additional studies in care, care, current from accordance with the taking into additional procedures current procedures for account the for the (laboratory the provision of standards provision and medical care, clinical of medical of medical instrumenta recommendations, care care. taking into account the clinical examinatio standards of medical ns of recommend care; refer patients for ations. patients; consultations to taking into making a specialist doctors in account the preliminary accordance with the diagnosis standards procedures for of medical in providing medical care; refer accordance care, clinical patients for with the recommendations, consultatio internationa taking into account the ns 1 statistical standards of medical specialist classificatio care; interpret and doctors in n of analyze the results of accordance diseases consultations with with and related the procedures patients' specialists; health interpret and analyze for problems the results of basic providing (ICD); (clinical) and medical carrying additional (laboratory, care, out instrumental) clinical differential examination methods; recommend diagnostics to carry out differential ations, of diseases; diagnostics of diseases taking into recognition in patients; identify account the of clinical signs of conditions standards sudden acute diseases, of medical arising conditions, care; from exacerbations of sudden interpret chronic diseases and analyze acute without obvious signs the results diseases, of a threat to life, exacerbatio of requiring emergency consultatio n of medical care; apply with chronic ns medical devices in patients' diseases accordance with the specialists; without current procedures for interpret obvious the provision of and analyze signs of a medical, clinical the results threat to the recommendations of patient's basic (treatment protocols) (clinical) life and on the provision of requiring and medical care, care, additional emergency taking into account the medical (laboratory, standards of medical instrumenta care; the care 1) use of

IDGPC 4.3 Has practical experience in: collecting complaints, anamnesis of life and disease in patients (their legal representatives), identifying risk factors and causes of diseases: examination and physical examination of patients; diagnosis of the most common diseases; identification of risk factors for major cancers; formulating a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations with specialist doctors; referral of patients for instrumental, laboratory, additional studies, consultations of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; 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 related health problems (ICD); carrying out differential diagnostics of diseases: recognition of conditions arising

examinatio n methods; to carry out differential diagnostics of diseases in patients; identify clinical of signs sudden acute diseases, conditions, exacerbatio ns chronic diseases without obvious signs of a threat life. requiring emergency medical care; apply medical devices in accordance with the current procedures for the provision of medical. clinical recommend ations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care

medical devices in accordance with the current procedures for the provision of medical. clinical recommend ations (treatment protocols) on the provision of medical care. assistance taking into account the standards of medical care

7.	GP C-5	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring emergency medical care; the use of medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care  IOPC-5.1 Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems  IOPC 5.2 Able to: evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body  IOPC 5.3 Has practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body  IOPC 5.3 Has practical experience: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems  IOTC 6.1 Knows:	anatomy, histology, embryolog y, topographic anatomy, physiology, pathologica l anatomy and physiology of human organs and systems	evaluate the main morphofun ctional data, physiologic al conditions and pathologica l processes in the human body	skills in assessing basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems
	C-6	organize patient care,	methods of collecting complaints and	y for collecting	conditions requiring	assessing a condition
		provide primary health	anamnesis from patients (their legal	complaints and	emergency medical	requiring the

care, ensure the organization of work and the adoption of professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in centers of mass destruction

representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction; principles of work in the centers of mass destruction: principles of organization of patient care, provision of primary health care IOPC 6.2 Is able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in centers of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics

and in the centers of

anamnesis from patients (their legal representati ves); methods of physical examinatio n of patients (examinatio palpation, percussion, auscultatio n); principles and methods of providing medical care to patients in emergencie s, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care. clinical recommend ations, taking into account the standards of medical care: clinical signs of major medical

care, including in emergency situations, epidemics and in areas ofmass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the of life patients. including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration) use

provision of medical care in an emergency form, including in emergency situations, epidemics and in centers of mass destruction; recognition of conditions that pose a threat to life. including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration) , requiring emergency medical care: provision of emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death

mass destruction; emergencie medicines (stopping the vital provide emergency and medical care to functions principles medical patients in conditions of medical devices in of the that pose a threat to the evacuation the human life of patients, provision body in including clinical emergency of medical (blood death (stopping the situations, care circulation vital functions of the epidemics emergency and (or) conditions; human body (blood and in the respiration) circulation and (or) centers of perform ; the use of respiration); use basic drugs and mass medicines and medical medical destruction; cardiopulm devices in the principles onary devices in provision of medical of work in resuscitatio the care in emergency the centers use provision n: conditions; perform of mass personal of medical basic cardiopulmonary destruction; protective care in resuscitation: use equipment; principles emergencie personal protective of organize s and equipment; organize organizatio patient epidemics; patient care, provide the use of n of patient care, primary health care care, provide personal IOPC-6.3 Has provision primary protective practical experience health care of primary equipment; in: assessing a health care organizatio condition requiring n of patient medical care in an care, emergency form, provision including in of primary emergency situations, medical epidemics and in health care centers of mass destruction; recognition of conditions that pose a threat to life, including the state of clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; provision of emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital

			C 4: C41 1		<u> </u>	1
			functions of the human			
			body (blood			
			circulation and (or)			
			respiration); the use of			
			drugs and medical			
			devices in the			
			provision of medical			
			care in emergencies			
			and epidemics; the use			
			of personal protective			
			equipment;			
			organization of patient			
			care, provision of			
			primary medical -			
			health care			
9.	GP	Able to	IOPC 7.1 Knows:	methods of	develop a	the skills to
	C-7	prescribe	methods of drug and	drug and	treatment	develop a
		treatment and	non-drug treatment,	non-drug	plan for	treatment
		monitor its	medical indications for	treatment,	patients	plan for
		effectiveness	the use of medical	medical	with the	patients
		and safety	devices for the most	indications	most	with the
			common diseases;	for the use	common	most
			groups of drugs used	of medical	diseases in	common
			to provide medical	devices for	accordance	diseases in
			care in the treatment of	the most	with the	accordance
			the most common	common	procedures	with the
			diseases; the	diseases;	for	current
			mechanism of their	groups of	providing	procedures
			action, medical	drugs used	medical	for the
			indications and	to provide	care,	provision
			contraindications to	medical	clinical	of medical
			the appointment;	care in the	recommend	care,
			compatibility, possible	treatment	ations,	clinical
			complications, side	of the most	taking into	guidelines,
			effects, adverse	common	account the	taking into
			reactions, including serious and	diseases;	standards of medical	account the
				the mechanism		standards of medical
			unforeseen; features of medical care in	of their	care;	
			emergency forms		prevent or eliminate	care;
			IOTC 7.2 Is able to:	action, medical	complicatio	provision of
				indications	·	
			develop a treatment plan for patients with	and	ns, side effects,	emergency and urgent
			the most common	contraindic	adverse	medical
			diseases in accordance	ations to	reactions,	care to
			with the procedures for	the	including	patients
			providing medical	appointmen	unforeseen	with the
			care, clinical	t;	ones,	most
			guidelines, taking into	compatibili	resulting	common
			account the standards	ty, possible	from	diseases, in
			of medical care;	complicatio	diagnostic	accordance
			prevent or eliminate	ns, side		with the
<u></u>			prevent of emilliate	113, 5145	or	with the

complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, nondrug treatment IOTC 7.3 Has practical experience in: developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases, in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care: selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the

effects, adverse reactions, including serious and unforeseen; features of the provision of medical care in emergency forms. therapeutic manipulatio ns, the use of drugs and (or) medical devices, non-drug treatment

current procedures for the provision of medical care. clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines, medical devices with the most common diseases for the treatment of the most common diseases in children and adults accordance with the current procedures for the provision of medical care. clinical recommend ations, taking into account the standards of medical care: evaluation of the effectivene ss and

effectiveness and safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases; selection and prescription of nondrug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, nondrug treatment; providing medical care to patients with sudden acute diseases, conditions. exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form

safety of the use of drugs, medical devices and non-drug treatment in patients with the most common diseases: selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care: prevention and treatment of complicatio ns, side effects. adverse reactions, including unforeseen ones, resulting from diagnostic or

mai	rapeutic nipulatio the use
ns, of c	the use
of c	
	dical
	rices,
	i-drug
	itment;
	viding
	dical
care	
	ients
with	
	den
acu	
	eases,
	ditions,
	cerbatio
	onic
	eases
	hout
	vious
	ns of a eat to the
	ient's in an
	ergency m; the
use	
	dicines
and	
	dical
	rices in
the	1000 111
	vision
	nedical
	e in an
	ergency
form	_
	ls in
	wing up
	lan of
	asures
of the patient's including the rehabilitati rehabilitati for	the
	dical
rehabilitation, individual programs including patients, rehabilitation	abilitati
including the for the rehabilitation the including on o	of a
implementatio and habilitation of implementa the pati	ient,
	luding
rehabilitation methods of medical individual tion of the	

and habilitation programs for the disabled, to assess the patient's ability to work

rehabilitation of the patient, including in the implementation of individual rehabilitation and habilitation programs for disabled people, medical indications and medical contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, resulting from medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of the patient; signs of persistent impairment of body functions due to diseases. consequences of injuries or defects IOPC 8.2 Is able to: develop an action plan for the medical rehabilitation of patients, including the implementation of individual programs for the rehabilitation and habilitation of disabled people, in accordance with the

current procedures for

rehabilitati on and habilitation programs for disabled people; methods of medical rehabilitati on of the patient, including in the implementa tion of individual rehabilitati on and habilitation programs for disabled people, medical indications and medical contraindic ations for their implementa tion, taking into account the diagnosis in accordance with the current procedures for organizing medical rehabilitati on, clinical recommend ations, taking into account the standards of medical care; ways to prevent

individual programs for the rehabilitati on and habilitation of disabled people, accordance with the current procedure for organizing medical rehabilitati on, clinical recommend ations, taking into account the standards of medical care: determine medical indications for medical rehabilitati on measures in accordance with the current procedure for organizing medical rehabilitati on, clinical recommend ations, taking into account the standards of medical care: evaluate the effectivene SS and safety of

implementa tion of individual programs for the rehabilitati on and habilitation of disabled people, in accordance with the current procedure for medical rehabilitati on, clinical recommend ations. taking into account the standards of medical care; carrying out medical rehabilitati on measures for patients, including the implementa tion of individual programs for the rehabilitati on and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitati on, clinical recommend

organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care: determine medical indications for medical rehabilitation measures in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care: evaluate the effectiveness and safety of measures for the medical rehabilitation of patients, including the implementation of individual programs for the rehabilitation and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequences of injuries or defects IOPC 8.3 Has practical experience in: drawing up a plan of measures for the medical rehabilitation of a patient, including the implementation of individual programs for the rehabilitation and habilitation of disabled people, in

or eliminate complicatio ns. side effects, adverse reactions, including serious and unforeseen, resulting from medical rehabilitati on measures; procedure for examinatio n of temporary disability and signs of temporary disability of the patient; signs of persistent impairment of body functions due to diseases, consequenc es of injuries or defects

measures for the medical rehabilitati of on patients, including the implementa tion individual programs for the rehabilitati and on habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitati on, clinical recommend ations, taking into account the standards of medical care; determine signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequenc es of

injuries

defects

or

ations, taking into account the standards of medical care: evaluation of the effectivene ss and safety of measures for the medical rehabilitati on of patients, including the implementa tion of individual programs for the rehabilitati on and habilitation of disabled people;

			accordance with the			
			current procedure for			
			medical rehabilitation,			
			clinical			
			recommendations,			
			taking into account the			
			standards of medical			
			care; carrying out			
			medical rehabilitation			
			measures for patients,			
			including the			
			implementation of			
			individual programs			
			for the rehabilitation			
			and habilitation of			
			disabled people, in			
			accordance with the			
			current procedure for			
			organizing medical			
			rehabilitation, clinical			
			recommendations,			
			taking into account the			
			standards of medical			
			care; evaluation of the			
			effectiveness and			
			safety of measures for			
			the medical			
			rehabilitation of			
			patients, including the			
			implementation of			
			individual programs			
			for the rehabilitation and habilitation of			
			disabled people;			
11.	GP	Able to	IOPC 9.1 Knows:	basic	analyze the	methodolog
11.	C-9	implement the	basic concepts of the	concepts of	quality of	y for
	<b>U</b> -)	principles of	quality management	the quality	medical	conducting
		quality	system of a medical	manageme	care for	work to
		management	organization;	nt system	patients;	ensure
		in professional	requirements for	of a	ensure	internal
		activities	ensuring internal	medical	internal	quality
			quality control and	organizatio	quality	control of
			safety of medical	n;	control and	the
			activities	requiremen	safety of	provision
			IOTC 9.2 Is able to:	ts for	medical	of medical
			analyze the quality of	ensuring	activities;	care to
			medical care provided	internal	organize	dental
			to patients; ensure	quality	the work	patients
			internal quality control	control and	and	and the
			and safety of medical	safety of	monitor the	safety of
			activities; organize the	medical	performanc	medical
			work and monitor the	activities	e of official	activities

			performance of official		duties of	
			duties of the medical		the medical	
			personnel at their		personnel	
			disposal		at their	
			IOPC 9.3 Has practical		disposal	
			experience: carrying			
			out work to ensure			
			internal quality control			
			of medical care for			
			dental patients and the			
			safety of medical			
			activities			
12.	GP	Able to solve	IOPC 10.1 Knows: the	the	apply	a
	C-	standard tasks	possibilities of	possibilities	modern	methodolog
	10	of professional	reference and	of	information	y for using
		activity using	information systems	reference	and	modern
		information,	and professional	and	communica	information
		bibliographic	databases; methods of	information	tion	and
		resources,	information search,	systems	technologie	bibliograph
		biomedical	information and	and	s to solve	ic
		terminology,	communication	professiona	the	resources,
		information	technologies; modern	l databases;	problems	using
		and	medical and biological	methods of	of	special
		communicatio	terminology; basics of	information	professiona	software
		n technologies,	information security in	search,	1 activity;	and
		taking into	professional activity	information	to carry out	automated
		account the	IOPC 10.2 Able to:	and	an effective	information
		basic	apply modern	communica	search for	systems to
		requirements	information and	tion	information	solve
		of information	communication	technologie	necessary	standard
		security	technologies to solve	s; modern	to solve the	tasks of
		Sooming	the problems of	medical	problems	professiona
			professional activity;	and	of	l activity,
			to carry out an	biological	professiona	taking into
			effective search for	terminolog	l activity	account the
			information necessary	y; basics of	using	basic
			to solve the problems	information	reference	requiremen
			of professional activity	security in	systems	ts of
			using reference	professiona	and	information
			systems and	l activity	professiona	security
			professional databases;	1 detivity	l databases;	security
			use modern medical		use modern	
			and biological		medical	
			terminology; master		and	
			and apply modern		biological	
			information and		terminolog	
			communication		y; master	
			technologies in		and apply	
			professional activities,		modern	
			taking into account the		information	
			basic requirements of		and	
			information security		communica	
			miormation security		Communica	

			IOPC 10.3 Has practical experience in: using modern information and bibliographic resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the		tion technologie s in professiona l activities, taking into account the basic requiremen ts of information security	
			basic requirements of			
13.	GP	Able to	information security IOPC-11.1 Knows:	scientific,	prepare	methodolog
	C- 11	prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system  IOPC-11.2 Able to: prepare scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	research and production, design, organizatio nal, managerial and regulatory documentat ion in the healthcare system	prepare scientific, research and production, design, organizatio nal, managerial and regulatory documentat ion in the healthcare system	y for compiling scientific, research and production, design, organizatio nal, managerial and regulatory documentat ion in the healthcare system
14.	PC - 1	Able to assess the condition of a patient requiring emergency or emergency medical care	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing	etiology, pathogenesi s and pathomorp hology, clinical picture, differential diagnosis, course features, complicatio ns and outcomes of diseases of internal organs; methodolog y for collecting	identify clinical signs of conditions requiring emergency or emergency medical care	a method for detecting clinical signs of conditions requiring emergency or emergency medical care

			the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency or emergency forms  IPC 1.2 Able to: identify clinical signs of conditions requiring emergency or emergency or emergency medical care	complaints and anamnesis; physical examinatio n technique (examinatio n, palpation, percussion, auscultatio n); a list of laboratory and instrumenta l research methods for assessing the condition, the main medical indications for conducting research and interpreting the results		
				requiring medical care in emergency or emergency forms		
15.	PC- 2	Able to recognize conditions arising from sudden acute illnesses, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and	IPC 2.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis from patients (their legal representatives);	etiology, pathogenesi s and pathomorp hology, clinical picture, differential diagnosis, course features, complicatio ns and outcomes	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care,	a method for identifying clinical signs of conditions requiring emergency medical care; requiring emergency medical care; requiring emergency medical care,

	requiring emergency medical care, to recognize conditions that threaten the patient's life, including conditions of clinical death (stopping the vital functions of the human body (circulation and / or breathing), requiring medical attention in an emergency form	methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration  IPC 2.2 Is able to: identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing	of diseases of internal organs; methodolog y for collecting complaints and anamnesis from patients (their legal representati ves); methods of physical examinatio n of patients (examinatio n of patients (examinatio n, palpation, percussion, auscultatio n); a list of laboratory and instrumenta l research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of circulation and/or respiration	including clinical signs of sudden cessation of blood circulation and breathing	including clinical signs of sudden cessation of blood circulation and breathing
16 D	C Abla 4a	IDC 2.1 Vaccus 1	respiration	00445	
16. Po		IPC 3.1 Knows: basic	rules for	carry out	
3	provide	cardiopulmonary	basic	measures to	

				and!1		
		emergency	resuscitation rules;	cardiopulm	provide	
		medical care to	principles of operation	onary	medical	
		patients in case	of devices for external	resuscitatio	care in	
		of sudden	electropulse therapy	n;	urgent and	
		acute diseases,	(defibrillation); rules	principles	emergency	
		conditions,	for performing	of .	forms;	
		exacerbation	external electrical	operation	basic	
		of chronic	impulse therapy	of devices	cardiopulm	
		diseases	(defibrillation) in case	for external	onary	
		without	of sudden cessation of	electropuls	resuscitatio	
		obvious signs	blood circulation and /	e therapy	n in	
		of a threat to	or respiration	(defibrillati	combinatio	
		the patient's		on); rules	n with	
		life, to provide	IPC 3.2 Knows how	for	electrical	
		emergency	to: perform measures	performing	impulse	
		medical care to	to provide medical	external	therapy	
		patients in	care in urgent and	electrical	(defibrillati	
		conditions that	emergency forms;	impulse	on)	
		threaten the	basic cardiopulmonary	therapy		
		patient's life,	resuscitation in	(defibrillati		
		including	combination with	on) in case		
		clinical death	electrical impulse	of sudden		
		(suspension of	therapy (defibrillation)	cessation of		
		vital functions		blood		
		the human		circulation		
		body		and / or		
		(circulation		respiration		
		and/or		•		
		respiration)				
17.	PC-	Able to use	IPC 4.1 Knows:	modern	prescribe	methods
	4	medicines and	modern methods of	methods of	medicines,	that
		medical	using medicines,	using	medical	provide the
		devices in the	medical devices for	medicines,	devices,	ability to
		provision of	diseases and	medical	taking into	prescribe
		medical care in	conditions in	devices for	account the	drugs,
		emergency or	accordance with the	diseases	diagnosis,	medical
		urgent forms	current procedures for	and	age and	devices,
			the provision of	conditions	clinical	taking into
			medical care, clinical	in	picture of	account the
			recommendations	accordance	the disease	diagnosis,
			(treatment protocols)	with the	in	age and
			on the provision of	current	accordance	clinical
			medical care, taking	procedures	with the	picture of
			into account the	for the	current	the disease
			standards of medical	provision	procedures	in
			care in the provision of	of medical	for the	accordance
			medical care in	care,	provision	with the
			emergency or urgent	clinical	of medical	current
			forms;	recommend	care,	procedures
			the mechanism of	ations	clinical	for the
			action of drugs,	(treatment	guidelines	provision
			medical devices,	protocols)	(treatment	of medical
			medical acvices,	protocois)	(11 Catiffellt	or medical

		medical indications	on the	protocols)	care,
		and contraindications	provision	on the	clinical
		to their use;	of medical	provision	guidelines
		complications caused	care, taking	of medical	(treatment
		by their use;	into	care in	protocols)
		principles of operation	account the	emergency	on the
		of devices for external	standards	or urgent	provision
		electropulse therapy	of medical	forms	of medical
		(defibrillation);	care in the		care in
		rules for performing	provision		emergency
		external electrical	of medical		or
		impulse therapy	care in		emergency
		(defibrillation) in case	emergency		forms
		of sudden cessation of	or urgent		
		blood circulation and /	forms;		
		or respiration	the		
		•	mechanism		
		IPC 4.2 Knows how	of action of		
		to: prescribe	drugs,		
		medicines, medical	medical		
		devices, taking into	devices,		
		account the diagnosis,	medical		
		age and clinical picture	indications		
		of the disease in	and		
		accordance with the	contraindic		
		current procedures for	ations to		
		the provision of	their use;		
		medical care, clinical	complicatio		
		recommendations	ns caused		
		(treatment protocols)	by their		
		on the provision of	use;		
		medical care in	principles		
		emergency or urgent	of		
		forms	operation		
			of devices		
			for external		
			electropuls		
			e therapy		
			(defibrillati		
			on);		
			rules for		
			performing		
			external		
			electrical		
			impulse		
			therapy		
			(defibrillati		
			on) in case		
			of sudden		
			cessation of blood		
<u></u>			circulation		

				and / or		
				respiration		
18.	PC-	Able to collect	IPC 5.1 Knows: The	Legislation	to collect	methods,
10.	5			of the		,
	3	complaints,	legislation of the		complaints,	including
		anamnesis of	Russian Federation in	Russian	anamnesis	the
		the patient's	the field of health care,	Federation	of life and	collection
		life and illness,	regulations and other	in the field	disease of	of
		conduct a	documents that	of health	the patient	complaints,
		complete	determine the	care,	and analyze	anamnesis
		physical	activities of medical	regulatory	the	of life and
		examination of	organizations and	legal acts	information	disease of
		the patient	medical workers;	and other	received;	the patient
		(examination,	method of collecting	documents	conduct a	and analyze
		palpation,	complaints, anamnesis	that	complete	the
		percussion,	of life and disease of	determine	physical	information
		auscultation),	the patient; a technique	the	examinatio	received;
		formulate a	for a complete	activities of	n of the	conduct a
		preliminary	physical examination	medical	patient	complete
		diagnosis and	of the patient	organizatio	(examinatio	physical
		draw up a plan	(examination,	ns and	n,	examinatio
		for laboratory	palpation, percussion,	medical	palpation,	n of the
		and	auscultation); etiology,	workers;	percussion,	patient
		instrumental	pathogenesis and	method of	auscultatio	(examinatio
		examinations	pathomorphology,	collecting	n) and	n,
		of the patient	clinical picture,	complaints,	interpret its	palpation,
			differential diagnosis,	anamnesis	results;	percussion,
			course features,	of life and	determine	auscultatio
			complications and	disease of	the	n) and
			outcomes of diseases	the patient;	sequence of	interpret its
			of internal organs;	a technique	HElume,	results;
			patterns of functioning	for a	content and	determine
			of a healthy human	complete	sequence of	the
			body and mechanisms	physical	diagnostic	sequence of
			for ensuring health	examinatio	measures	HElume,
			from the standpoint of	n of the		content and
			the theory of	patient		sequence of
			functional systems;	(examinatio		diagnostic
			features of the	n,		measures
			regulation of the	palpation,		
			functional systems of	percussion,		
			the human body in	auscultatio		
			pathological processes;	n);		
			methods of laboratory	etiology,		
			and instrumental	pathogenesi		
			studies for assessing	s and		
			the state of health,	pathomorp		
			medical indications for	hology,		
			conducting studies,	clinical		
			rules for interpreting	picture,		
			their results	differential		
			IDC 5 A ALL	diagnosis,		
			IPC 5.2 Able to:	course		

			collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of HElume, content and sequence of diagnostic measures	features, complicatio ns and outcomes of diseases of internal organs; patterns of functioning of a healthy human body and mechanism s for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathologica l processes; methods of laboratory and instrumenta l studies for assessing the state of health, medical indications for conducting studies, rules for		
				rules for interpreting		
10	DC	A1-1- C	IDC 6.1 W	their results	:	41 1
19.	PC-	Able to refer	IPC 6.1 Knows:	general	justify the	methods to
	6	the patient for	general issues of	issues of	need and	justify the
		laboratory,	organizing medical	organizing	scope of	need and
		instrumental	care for the	medical	laboratory	scope of

examination, for a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care

population, methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting studies, rules for interpreting their results: procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care. standards of medical care

IPC 6.2 Knows how 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

care for the population, methods of laboratory and instrumenta l studies for assessing the state of health. medical indications for conducting studies, rules for interpreting their results: procedures for the provision of medical care. clinical recommend ations (treatment protocols) on the provision of medical care. standards of medical care

examinatio of the n patient; justify the need and of scope instrumenta 1 examinatio of the patient; justify the need to refer the patient for consultatio ns with specialist doctors: determine medical indications for the provision of emergency, including emergency specialized, medical care

laboratory examinatio n of the patient; justify the need and scope of instrumenta examinatio n of the patient; justify the need to refer the patient for consultatio ns with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care

20. PC-	Able to make a	IPC 7.1 Knows:	etiology,	analyze the	methods
7	differential	etiology, pathogenesis	pathogenesi	results of	that allow
	diagnosis with	and pathomorphology,	s and	the patient's	analyzing
	other	clinical picture,	pathomorp	examinatio	the results
	diseases/condit	differential diagnosis,	hology,	n, if	of the
	ions, including	course features,	clinical	necessary,	patient's
	emergencies,	complications and	picture,	justify and	examinatio
	to establish a	outcomes of diseases	differential	plan the	n, if
	diagnosis	of internal organs;	diagnosis,	scope of	necessary,
	taking into	methods of laboratory	course	additional	substantiati
	account the	and instrumental	features,	studies;	ng and
	current	studies for assessing	complicatio	interpret	planning
	international	the state of health,	ns and	the results	the scope
	statistical	medical indications for	outcomes	of	of
	classification		of diseases		additional
		conducting studies,		collecting information	
	of diseases and	rules for interpreting	of internal		studies;
	related health	their results; ICD	organs;	about the	interpret
	problems	IDC 7.2 Al-1-4-	methods of	patient's	the results of
	(ICD)	IPC 7.2 Able to:	laboratory	disease;	
		analyze the results of	and	interpret	collecting
		the patient's	instrumenta	the data	information
		examination, if	1 studies for	obtained	about the
		necessary, justify and	assessing	during the	patient's
		plan the scope of	the state of	laboratory	disease;
		additional studies;	health,	examinatio	interpret
		interpret the results of	medical	n of the	the data
		collecting information	indications	patient;	obtained
		about the patient's	for	interpret	during the
		disease; interpret the	conducting	the data	laboratory
		data obtained during	studies,	obtained	examinatio
		the laboratory	rules for	during the	n of the
		examination of the	interpreting	instrumenta	patient;
		patient; interpret the	their	1	interpret
		data obtained during	results;	examinatio	the data
		the instrumental	ICD	n of the	obtained
		examination of the		patient;	during the
		patient; interpret the		interpret	instrumenta
		data obtained during		the data	1
		consultations of the		obtained	examinatio
		patient by medical		during	n of the
		specialists; to carry out		consultatio	patient;
		differential diagnostics		ns of the	interpret
		of diseases of internal		patient by	the data
		organs from other		medical	obtained
		diseases		specialists;	during
				to carry out	consultatio
				differential	ns of the
				diagnostics	patient by
				of diseases	medical
				of internal	specialists;
				organs	to carry out
				from other	differential

					diseases	diagnostics of diseases of internal organs from other
						diseases
21.	PC- 8	Able to develop a treatment plan for a disease or condition and prescribe drugs, medical devices, clinical nutrition and non-drug treatment, taking into	IPC-8.1 Knows: modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols)	modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in	draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of	methods that make it possible to draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of
		account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account standards of medical care and evaluate the effectiveness and safety of the use of medicines, medical devices, clinical nutrition and other methods of treatment	on the provision of medical care, taking into account the standards of medical care; the mechanism of action of drugs, medical products and medical nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient 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; mechanism of action of non-drug treatment; medical indications and contraindications to its	accordance with the current procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; the mechanism of action of drugs, medical products and medical nutrition, medical indications	the disease in accordance with the current procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical products and medical nutrition, taking into	the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical products and
		of treatment	contraindications to its appointment; side	indications and	taking into account the	and medical

effects, complications contraindic diagnosis, nutrition, caused by its use ations to and taking into age their use; clinical account the IPC 8.2 Is able to: complicatio picture of diagnosis, ns caused the disease age and draw up a treatment plan for the disease by their clinical in and the patient's use; accordance picture of condition, taking into with the disease modern the account the diagnosis, methods of current age of the patient, the procedures non-drug accordance clinical picture of the treatment for the with the disease in accordance of diseases provision current with the current and of medical procedures procedures for the conditions care. for the provision of medical in a patient clinical provision care, clinical recommend of medical in recommendations accordance ations care. (treatment protocols) with the (treatment clinical on the provision of current protocols) recommend medical care, taking procedures on the ations provision into account the for the (treatment provision standards of medical of medical protocols) care; prescribe of medical care, taking on the medicines, medical care. into provision products and medical clinical account the of medical nutrition, taking into recommend standards care, taking account the diagnosis, of medical ations into age and clinical picture (treatment care: account the of the disease in prescribe standards protocols) accordance with the on the non-drug of medical current procedures for provision treatment care: the provision of of medical taking into prescribe medical care, clinical care, taking account the non-drug recommendations diagnosis, treatment into (treatment protocols) account the age and taking into on the provision of standards clinical account the medical care, taking of of medical picture diagnosis, into account the age and care: the disease standards of medical mechanism in clinical care; prescribe nonof action of accordance picture of drug treatment taking the disease non-drug with the into account the treatment; current in diagnosis, age and medical procedures accordance clinical picture of the the indications for with the disease in accordance and provision current with the current contraindic of medical procedures

ations to its

appointmen

complicatio

ns caused

t; side

effects.

care.

clinical

ations

recommend

(treatment

protocols)

procedures for the

recommendations

care, clinical

provision of medical

(treatment protocols)

on the provision of

for the

care.

clinical

provision

of medical

recommend

			1. 1 . 1.	1 .	.,1	
			medical care, taking	by its use	on the	ations
			into account the		provision	(treatment
			standards of medical		of medical	protocols)
			care; evaluate the		care, taking	on the
			effectiveness and		into	provision
			safety of the use of		account the	of medical
			medicines, medical		standards	care, taking
			devices and clinical		of medical	into
			nutrition		care;	account the
					evaluate	standards
					the	of medical
					effectivene	care;
					ss and	evaluate
					safety of	the
					the use of	effectivene
					medicines,	ss and
					medical	safety of
					devices and	the use of
					clinical	medicines,
					nutrition	medical
						devices and
						clinical
						nutrition
22.	PC-	Able to	IPK-9.1 Knows: The	The	Prescribe	methods
	9	provide	procedure for	procedure	medicines,	that allow
		palliative care	providing palliative	for	medical	prescribing
		in cBEPeration	care	providing	devices and	medicines,
		with medical		palliative	nutritional	medical
		specialists and	IPC 9.2 Able to:	care	therapy,	devices and
		other medical	Prescribe medicines,		taking into	medical
		professionals	medical devices and		account the	nutrition,
			nutritional therapy,		diagnosis,	taking into
			taking into account the		age and	account the
			diagnosis, age and		clinical	diagnosis,
			clinical picture of the		picture of	age and
			disease in accordance		the disease	clinical
			with the current		in	picture of
			procedures for the		accordance	the disease
			provision of medical		with the	in
			care, clinical		current	accordance
			guidelines (treatment		procedures	with the
			protocols) on the		for the	current
			provision of medical		provision	procedures
			care, taking into		of medical	for the
			account the standards		care,	provision
			of medical care;		clinical	of medical
			prescribe non-drug		guidelines	care,
			treatment taking into		(treatment	clinical
			account the diagnosis,		protocols)	recommend
			age and clinical picture		on the	ations
			of the disease in		provision	(treatment
			accordance with the		of medical	protocols)

current procedures for care, taking on the the provision of into provision medical care, clinical account the of medical recommendations standards care, taking (treatment protocols) of medical into on the provision of care; account the medical care, taking prescribe standards into account the non-drug of medical standards of medical treatment care: care; evaluate the taking into prescribe effectiveness and account the non-drug safety of the use of diagnosis, treatment medicines, medical and taking into age devices and clinical clinical account the nutrition picture of diagnosis, the disease age and clinical in accordance picture of the disease with the current in procedures accordance for the with the provision current of medical procedures for the care, clinical provision recommend of medical ations care. clinical (treatment recommend protocols) on the ations provision (treatment of medical protocols) care, taking on the into provision account the of medical standards care, taking of medical into care: account the evaluate standards of medical the effectivene care; and evaluate SS safety of the the use of effectivene medicines, ss and safety of medical devices and the use of clinical medicines, medical nutrition devices and clinical

						nutrition
23.	PC-	Able to	IPC 10.1 Knows:	modern	prescribe	methods
	10	organize	modern methods of	methods of	medicines,	that allow
		personalized	using medicines,	using	medical	prescribing
		treatment of	medical devices and	medicines,	products	medicines,
		the patient,	clinical nutrition for	medical	and	medical
		including	diseases and	devices and	medical	devices and
		pregnant	conditions in a patient	clinical	nutrition,	medical
		women,	in accordance with the	nutrition	taking into	nutrition,
		elderly and	current procedures for	for diseases	account the	taking into
		senile patients,	the provision of	and	diagnosis,	account the
		evaluate the	medical care, clinical	conditions	age and	diagnosis,
		effectiveness	recommendations	in a patient	clinical	age and
		and safety of	(treatment protocols)	in	picture of	clinical
		treatment	on the provision of	accordance	the disease	picture of
			medical care, taking	with the	in	the disease
			into account the	current	accordance	in
			standards of medical	procedures	with the	accordance
			care; the mechanism of	for the	current	with the
			action of drugs,	provision	procedures	current
			medical products and	of medical	for the	procedures
			medical nutrition,	care,	provision	for the
			medical indications	clinical	of medical	provision
			and contraindications	recommend	care,	of medical
			to their use;	ations	clinical	care,
			complications caused	(treatment	recommend	clinical
			by their use; modern	protocols)	ations	recommend
			methods of non-drug	on the	(treatment	ations
			treatment of diseases	provision	protocols)	(treatment
			and conditions in a	of medical	on the	protocols)
			patient in accordance	care, taking	provision	on the
			with the current	into	of medical	provision
			procedures for the	account the	care, taking	of medical
			provision of medical	standards of medical	into account the	care, taking
			care, clinical recommendations		standards	into account the
				care; the mechanism	of medical	standards
			(treatment protocols) on the provision of	of action of	care;	of medical
			medical care, taking	drugs,	prescribe	care;
			into account the	medical	non-drug	prescribe
			standards of medical	products	treatment	non-drug
			care; mechanism of	and	taking into	treatment
			action of non-drug	medical	account the	taking into
			treatment; medical	nutrition,	diagnosis,	account the
			indications and	medical	age and	diagnosis,
			contraindications to its	indications	clinical	age and
			appointment; side	and	picture of	clinical
			effects, complications	contraindic	the disease	picture of
			caused by its use	ations to	in	the disease
			· · · · · · · · · · · · · · · · · · ·			
				· ·	with the	accordance
			1 -	-		with the
			IPC 10.2 Knows how to: prescribe medicines, medical	their use; complicatio ns caused	accordance with the current	

devices and medical by their procedures current nutrition, taking into use; for the account the diagnosis, modern provision age and clinical picture methods of of medical provision	
account the diagnosis, modern provision for the age and clinical picture methods of of medical provisi	ires i
age and clinical picture methods of of medical provisi	
of the disease in non-drug care, of med	ical
accordance with the treatment clinical care,	
current procedures for of diseases recommend clinical	
the provision of and ations recommended to the provision of and ations recommended to the provision of the p	nend
medical care, clinical conditions (treatment ations	
recommendations in a patient protocols) (treatment of the protocols) in a patient protocols in a patient protocol protoc	
(treatment protocols) in on the protocol	ols)
on the provision of accordance provision on the	
medical care, taking with the of medical provisi	
into account the current care, taking of med	
standards of medical procedures into care, ta	kıng
care; prescribe non- for the account the into	
drug treatment taking provision standards accoun	
into account the of medical of medical standar	
diagnosis, age and care, care; of med	ical
clinical picture of the clinical evaluate care;	
disease in accordance recommend the evaluat	e
with the current ations effectivene the	
procedures for the treatment ss and effective	ene
provision of medical protocols) safety of ss and	
care, clinical on the the use of safety of	
recommendations provision medicines, the use	
(treatment protocols) of medical medical medici	,
on the provision of care, taking devices and medica	
medical care, taking into clinical devices	
into account the account the nutrition clinical	
standards of medical standards nutrition	n
care; evaluate the of medical	
effectiveness and care;	
safety of the use of mechanism	
medicines, medical of action of	
devices and clinical non-drug	
nutrition treatment;	
medical	
indications	
and	
contraindic	
ations to its	
appointmen	
t; side	
effects,	
complicatio	
ns caused	
by its use	
24. PC- Able to refer a IPC 13.1 Knows: measures determine method	
13 patient in need measures for the for the medical that all	
of medical medical rehabilitation medical indications determ	
rehabilitation of the patient, medical rehabilitati for carrying g medi	cal

to a specialist doctor for prescribing and conducting medical rehabilitation measures, including for prescribing and conducting sanatorium treatment, and to carry out medical rehabilitation measures for the patient, including when implementing an individual rehabilitation or habilitation program persons with disabilities, in accordance with the current procedures for the provision of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care

indications and contraindications for their implementation, taking into account the diagnosis 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 indications and contraindications to the appointment of spa treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients IPC 13.2 Is able to: Determine medical indications for medical rehabilitation measures, including the implementation of an individual rehabilitation or habilitation program for disabled people, 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; determine medical specialists to carry out rehabilitation measures for a patient in need of medical

rehabilitation, taking

on of the patient, medical indications and contraindic ations for their implementa tion, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care: medical indications and contraindic ations to the appointmen t of spa treatment as a stage of the patient's medical rehabilitati on; features of medical

out medical rehabilitati on measures, including when implementi ng individual rehabilitati habilitation program for disabled people, accordance with the current procedures for the provision of medical care. clinical recommend ations (treatment protocols) the on provision of medical care, taking into account the standards of medical care; determine medical specialists to carry out rehabilitati on measures for a patient in need medical rehabilitati on. taking into account the

indications for medical rehabilitati on measures, including the implementa tion of an individual rehabilitati on or habilitation program for disabled people, in accordance with the current procedures for the provision of medical care. clinical recommend ations (treatment protocols) on the provision of medical care, taking into account the standards of medical care: determine medical specialists to carry out rehabilitati on measures for a patient in need of medical rehabilitati on, taking into

rehabilitati into account the diagnosis account the diagnosis and in on of and in diagnosis elderly and and in accordance with the accordance current procedures for senile with the accordance the provision of with the patients current medical care, clinical procedures current recommendations for the procedures provision (treatment protocols) for the provision on the provision of of medical medical care, taking of medical care, into account the clinical care, standards of medical clinical recommend care; perform ations recommend measures for the (treatment ations medical rehabilitation protocols) (treatment of the patient in the protocols) on accordance with the provision on the current procedures for of medical provision the provision of of medical care, taking medical care, clinical into care, taking recommendations account the into (treatment protocols) standards account the on the provision of of medical standards medical care, taking care: of medical into account the perform care: standards of medical measures perform care; prescribe for measures the sanatorium-and-spa medical for the treatment to a patient rehabilitati medical in need of medical on of rehabilitati the rehabilitation. patient in on of the including when accordance patient in implementing an with the accordance individual with the current rehabilitation or procedures current habilitation program for the procedures for disabled people, in provision for the accordance with the of medical provision current clinical care, of medical recommendations clinical care. (treatment protocols) recommend clinical on the provision of ations recommend medical care. (treatment ations procedures for the protocols) (treatment provision of medical on the protocols) provision care and taking into on the account the standards of medical provision of medical care care, taking of medical into care, taking account the into standards account the of medical standards

	care; of medical
	prescribe care;
	sanatorium- prescribe
	and-spa sanatorium-
	treatment and-spa
	to a patient   treatment
	in need of to a patient
	medical in need of
	rehabilitati medical
	on, rehabilitati
	including on,
	when including
	implementi when
	ng an implementi
	individual ng an
	rehabilitati individual
	habilitation on or
	program habilitation
	for disabled program
	people, in for disabled
	accordance people, in
	with the accordance
	current with the
	clinical current
	recommend clinical
	ations recommend
	(treatment ations
	protocols) (treatment
	on the protocols)
	provision on the
	of medical provision
	care, of medical
	procedures care,
	for the procedures
	provision for the
	of medical provision
	care and of medical
	taking into care and
	account the taking into
	standards account the
	of medical standards
	care of medical
	care
25. PC- Able to IPC 16.1 Knows: the princ	siples organize methods
	ne use and that allow
immunoproph specific prevention of and r	1
ylaxis of infectious diseases, the speci	
	ention infectious immunopro
diseases in the preventive of	diagram !   1 1 ' C
	diseases in phylaxis of the adult infectious

		population,	calendar of preventive	diseases,	population	diseases in
		prescribe	vaccinations according	the national	in	the adult
		preventive	to epidemic	calendar of	accordance	population
		measures to	indications; legislation	preventive	with the	in
		patients, taking	of the Russian	vaccination	current	accordance
		into account	Federation in the field	s and the	procedures	with the
		risk factors in		calendar of	1	
			of health protection,			current
		accordance	sanitary rules and	preventive	provision	procedures
		with the	regulations; preventive	vaccination	of medical	for the
		current	measures taking into	s according	care,	provision
		procedures for	account the diagnosis	to epidemic	clinical	of medical
		the provision	in accordance with the	indications;	recommend	care,
		of medical	current procedures for	legislation	ations	clinical
		care, clinical	the provision of	of the	(treatment	recommend
		recommendati	medical care, clinical	Russian	protocols)	ations
		ons (treatment	recommendations	Federation	on the	(treatment
		protocols) on	(treatment protocols)	in the field	provision	protocols)
		the provision	on the provision of	of health	of medical	on the
		of medical	medical care, taking	protection,	care, taking	provision
		care, taking	into account the	sanitary	into	of medical
		into account	standards of medical	rules and	account the	care, taking
		the standards	care	regulations;	standards	into
		of medical		preventive	of medical	account the
		care, and	IPC 16.2 Able to:	measures	care;	standards
		monitor	organize and conduct	taking into	prescribe	of medical
		compliance	immunoprophylaxis of	account the	preventive	care;
		with	infectious diseases in	diagnosis	measures to	prescribe
		preventive	the adult population in	in	patients,	preventive
		measures	accordance with the	accordance	taking into	measures to
			current procedures for	with the	account	patients,
			the provision of	current	risk factors	taking into
			medical care, clinical	procedures	for the	account
			guidelines (treatment	for the	prevention	risk factors
			protocols) on the	provision	and early	for the
			provision of medical	of medical	detection of	prevention
			care, taking into	care,	diseases,	and early
			account the standards	clinical	including	detection of
			of medical care;	recommend	socially	diseases,
			prescribe preventive	ations	significant	including
			measures to patients,	(treatment	diseases	socially
			taking into account	protocols)	uiscases	significant
			risk factors for the	on the		diseases
			prevention and early	provision		uiscases
			detection of diseases,	of medical		
			· · · · · · · · · · · · · · · · · · ·			
			including socially	care, taking into		
			significant diseases	account the		
				standards		
				of medical		
26	DC.	A11 / C	IDC 10 1 17	care	1 1	,1 1
26.	PC-	Able to form	IPC 19.1 Knows:	forms and	develop	methods
	19	healthy	forms and methods of	methods of	and	that allow

		lifestyle	sanitary and	sanitary	implement	developing
		programs,	educational work on	and	programs	and
		including	the formation of	educational	for the	implementi
		programs to	elements of a healthy	work on the	formation	ng healthy
		reduce alcohol	lifestyle, including	formation	of a healthy	lifestyle
		and tobacco	programs to reduce	of elements	lifestyle,	programs,
		consumption,	alcohol and tobacco	of a healthy	including	including
		prevent and	consumption, prevent	lifestyle,	programs	programs
		combat non-	and combat the non-	including	to reduce	to reduce
		medical use of	medical use of narcotic	programs	alcohol and	alcohol and
		narcotic drugs	drugs and	to reduce	tobacco	tobacco
		and	psychotropic	alcohol and	consumptio	consumptio
		psychotropic	substances	tobacco	n, prevent	n, prevent
		substances,	substances	consumptio	and combat	and combat
		evaluate the	IPC 19.2 Able to:	n, prevent	the non-	the non-
		effectiveness	develop and	and combat	medical use	medical use
		of preventive	implement healthy	the non-	of narcotic	of narcotic
		work with	lifestyle programs,	medical	drugs and	drugs and
		patients	including programs to	consumptio	psychotropi	psychotropi
		patients	reduce alcohol and	n of	c	c
			tobacco consumption,	narcotic	substances	substances
			prevent and combat	drugs and	substances	substances
			the non-medical use of	psychotropi		
			narcotic drugs and	c		
			psychotropic	substances		
			substances	Sacstances		
27						
27.	PC-	Able to	IPC 22.1 Knows: the	legislation	fill in	own
27.	PC- 22	Able to maintain	IPC 22.1 Knows: the legislation of the	legislation of the	fill in medical	own methods
21.						
21.		maintain	legislation of the	of the	medical	methods
21.		maintain medical	legislation of the Russian Federation in	of the Russian	medical documentat	methods that allow
21.		maintain medical records,	legislation of the Russian Federation in the field of health care,	of the Russian Federation	medical documentat ion,	methods that allow filling out
21.		maintain medical records, including in	legislation of the Russian Federation in the field of health care, regulations and other	of the Russian Federation in the field	medical documentat ion, including	methods that allow filling out medical
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that	of the Russian Federation in the field of health	medical documentat ion, including in	methods that allow filling out medical documentat
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and	of the Russian Federation in the field of health care,	medical documentat ion, including in electronic	methods that allow filling out medical documentat ion,
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules	of the Russian Federation in the field of health care, regulations and other documents	medical documentat ion, including in electronic form; work with personal	methods that allow filling out medical documentat ion, including in electronic
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information	of the Russian Federation in the field of health care, regulations and other documents that	medical documentat ion, including in electronic form; work with personal data of	methods that allow filling out medical documentat ion, including in electronic form; work
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and	of the Russian Federation in the field of health care, regulations and other documents that determine	medical documentat ion, including in electronic form; work with personal data of patients	methods that allow filling out medical documentat ion, including in electronic form; work with
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and	of the Russian Federation in the field of health care, regulations and other documents that determine the	medical documentat ion, including in electronic form; work with personal data of patients and	methods that allow filling out medical documentat ion, including in electronic form; work with personal
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of	medical documentat ion, including in electronic form; work with personal data of patients and information	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet";	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical	medical documentat ion, including in electronic form; work with personal data of patients and information constituting	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers;	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis,	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of work in	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of work in information	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home when a medical	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of work in information systems	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommu	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of work in information systems and	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunications	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information
21.		maintain medical records, including in electronic	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and medical workers; rules of work in information systems and information and telecommunications network "Internet"; rules for issuing medical documentation in medical organizations providing medical care on an outpatient basis, including at home when a medical	of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizatio ns and medical workers; rules of work in information systems	medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommu	methods that allow filling out medical documentat ion, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and

	. 1. 1	. 1	•	
	in medical	telecommu	in	nications
	documentation,	nications	professiona	network
	including in electronic	network	1 activities	"Internet"
	form; work with	"Internet";		in
	personal data of	rules for		professiona
	patients and	issuing		1 activities
	information	medical		
	constituting a medical	documentat		
	secret; use information	ion in		
	systems and	medical		
	information and	organizatio		
	telecommunications	ns		
	network "Internet" in	providing		
	professional activities	medical		
		care on an		
		outpatient		
		basis,		
		including at		
		home when		
		a medical		
		worker is		
		called		

4. Sections of the discipline and competencies that are formed during their study

No. p	Competency code	Name of the discipline	The content of the section in
/ <b>p</b>		section	didactic units
1	UC - 1, 4, 5	Non-ischemic heart disease	Non-coronary diseases of the
	GPC - 1, 2, 4, 5, 6, 7,	and arrhythmias	myocardium
	10, 11		Valvular heart disease
	PC - 1, 2, 3, 4, 5, 6, 7,		Rhythm disturbances
	8, 9, 10, 13, 16, 19, 22		
2.	UC - 1, 4, 5	Diseases of the pleura	Diseases of the pleura
	GPC - 1, 2, 4, 5, 6, 7,		
	10		
	PC - 1, 2, 3, 4, 5, 6, 7,		
	8, 9, 10, 19, 22		
3.	UC - 1, 4, 5	chronic kidney disease	chronic kidney disease
	GPC - 1, 2, 4, 5, 6, 7,		
	10		
	PC - 1, 2, 3, 4, 5, 6, 7,		
	8, 9, 10, 19, 22		
4.	UC - 1, 4, 5	Anemia	Anemia
	GPC - 1, 2, 4, 5, 6, 7,		
	8, 9, 10,		
	PC - 1, 2, 3, 4, 5, 6, 7,		
	8, 9, 10, 13, 19, 22		
5.	UC - 1, 4, 5	Diabetes	Diabetes mellitus - diagnosis and
	GPC - 1, 2, 4, 5, 6, 7,		glycemic control
	10		Diabetes mellitus - complications
	PC - 1, 2, 3, 4, 5, 6, 7,		
	8, 9, 10, 19, 22		
6.	UC - 1, 4, 5	Thyroid diseases	Diffuse and nodular goiter

	GPC - 1, 2, 4, 5, 6, 7, 8, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22		Thyrotoxicosis Hypothyroidism
7.	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 9, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	kidney disease	Glomerulopathy and chronic renal failure Interstitial kidney disease and acute renal failure
8	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 9, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Diseases of the cardiovascular system - clinical guidelines and practice	Venous thrombosis and embolism Acute coronary syndrome Infective endocarditis Emergency conditions in the clinic of internal diseases
9.	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 9, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Oncohematology	Myeloproliferative disorders Lymphoproliferative disorders Aplastic diseases, disorders of platelets and coagulation
10	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 9, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Diseases of the pituitary and adrenal glands	Diseases of the pituitary gland Diseases of the adrenal glands
11	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 9, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 19, 22	Hospital-acquired pneumonia, aspiration pneumonia, esophageal disease	Hospital pneumonia and pneumonia in special groups Diseases of the esophagus
12.	UC - 1, 4, 5 GPC - 1, 4, 5, 6, 7, 8, 10 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 19, 22	Practical skills	Writing a medical history Communication with patients Physical examination Presentation of a clinical case

# 5. Volume of discipline and types of educational work.

Type of study work	Labor i	ntensity	Labor intensity by semesters				
	Volume	Volum		(AH)			
	in	e in	9	10	11	12	
	credit	academ					
	units	ic					
	(CU)	hours					
		(AH)					
Classroom work, including							
Lectures (L)	1.6	58	10	14	12	22	
Laboratory practicum (LP)*							
Practicals (P)	5.6	202	52	52	34	64	
Seminars (S)							
Student's individual work (SIW)	4.8	172	46	42	26	58	

Mid-term assessment						
credit/exam (specify the type)	1	36				36
						exa
						m
TOTAL LABOR INTENSITY	13	468	108	108	72	180

## 6. The content of the discipline

6.1 Sections of the discipline and types of classes

p/ no.	semester number	Name of the discipline section	Types of educational work (in ACH)*						
			L	LW	PE	CPC	S	SIW	Tota 1
1	9	Non-ischemic heart disease and arrhythmias	8			35		30	79
2	9	Diseases of the pleura	0			6		6	12
3	9	chronic kidney disease	2			5		10	17
4	10	Anemia	0			16		10	26
5	10	Diabetes	8			20		20	48
6	10	Thyroid diseases	6			10		12	28
7	11	kidney disease	8			12		16	32
8	11	Diseases of the cardiovascular system - clinical guidelines and practice	8			22		20	50
9	12	Oncohematology	12			36		30	78
10	12	Diseases of the pituitary and adrenal glands	6			18		18	42
11	12	Hospital-acquired pneumonia, aspiration pneumonia, esophageal disease	4			6		10	20
12	9-12	Practical skills				16			16
13	12	Exam							36
		TOTAL	58			202		172	468

<sup>\* -</sup> L - lectures; LW - laboratory workshop; PE - practical exercises; CPC - clinical practical classes, S - seminars; SIW - independent work of the student.

#### **6.2.** Thematic plan of lectures\*:

No	Name of lecture topics	Volume in AH (hour)				
p/p	-		10	11	12	
1	Cardiomyopathy	2				
2	Myocarditis and pericarditis	2				
3	Diagnosis and basic treatment of arrhythmias	2				
4	Atrial fibrillation	2				

5	Chronic renal failure	2			
6	Introduction to Diabetology, Diagnosis of Diabetes Mellitus		2		
7	Hypoglycemic therapy for diabetes		2		
8	Acute complications of diabetes		2		
9	Chronic complications of diabetes		2		
10	Iodine deficiency, goiter and thyroid nodules		2		
11	Thyrotoxicosis - diagnosis and main approaches to treatment		2		
12	Hypothyroidism - diagnosis and basic therapy		2		
13	Glomerulonephritis and chronic renal failure - clinical guidelines			2	
	and treatment practice			2	
14	Interstitial nephritis and acute renal failure			2	
15	Venous thrombosis and embolism			2	
16	Infective endocarditis			2	
17	Acute coronary syndrome - clinical guidelines, clinical practice			2	
	and promising approaches in diagnosis and treatment			2	
18	Emergency conditions in the clinic of internal diseases			2	
19	Hematology 1				2
20	Hematology 2				2
21	Hematology 3				2
22	Hematology 4				2
23	Hematology 5				2
24	Hematology 6				2
25	Diseases of the pituitary gland (acromegaly, hyperprolactinemia,				2
	diabetes insipidus)				
26	Diseases of the adrenal glands (cedentalomas,				2
	hyperaldosteronism, pheochromocytoma)				
27	Diseases of the adrenal glands (Cushing's syndrome and adrenal				2
	insufficiency)				
28	Hospital-acquired pneumonia and pneumonia in special groups				2
29	Diseases of the esophagus				2
	Total, AH	10	14	12	22

<sup>\*(</sup>full-time form, with the use of EEM and DET)

## 6.3. Thematic plan of laboratory workshops: not provided by the curriculum.

# **6.4.** Thematic plan of practical classes:

No ·	Name of practical classes		Volume in AH (hour)				
p/ p	rame of practical classes	9 10 11		12			
1	Cardiomyopathy	5					
2	Myocarditis and pericarditis	5					
3	Valvular heart disease	5					
4	Tachyarrhythmias	5					
5	Bradyarrhythmias	5					
6	Atrial fibrillation	5					
7	Echocardiography in assessing the state of the heart in	5					

8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	various diseases  Chronic renal failure  Pleurisy - diagnosis and treatment  Practical skills in examining a patient with cardiovascular diseases  Diabetes mellitus - diagnosis  Diabetes mellitus - treatment  Diabetes mellitus - acute complications  Diabetes mellitus - chronic complications  Thyrotoxicosis  Hypothyroidism and thyroiditis  Hematology 1  Hematology 2	5 6	5 5 5 5		
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Pleurisy - diagnosis and treatment Practical skills in examining a patient with cardiovascular diseases Diabetes mellitus - diagnosis Diabetes mellitus - treatment Diabetes mellitus - acute complications Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2	6	5 5 5		
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	Practical skills in examining a patient with cardiovascular diseases  Diabetes mellitus - diagnosis  Diabetes mellitus - treatment  Diabetes mellitus - acute complications  Diabetes mellitus - chronic complications  Thyrotoxicosis  Hypothyroidism and thyroiditis  Hematology 1  Hematology 2		5 5 5		
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	diseases Diabetes mellitus - diagnosis Diabetes mellitus - treatment Diabetes mellitus - acute complications Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2	6	5 5 5		
11	Diabetes mellitus - diagnosis Diabetes mellitus - treatment Diabetes mellitus - acute complications Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2		5 5 5		
12 13 14 15 16 17 18 19 20 21 22 23 24 25	Diabetes mellitus - treatment Diabetes mellitus - acute complications Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2		5 5 5		
13 14 15 16 17 18 19 20 21 22 23 24 25	Diabetes mellitus - acute complications Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2		5		
14 15 16 17 18 19 20 21 22 23 24 25	Diabetes mellitus - chronic complications Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2		5		
15 16 17 18 19 20 21 22 23 24 25	Thyrotoxicosis Hypothyroidism and thyroiditis Hematology 1 Hematology 2		-		
16 17 18 19 20 21 22 23 24 25	Hypothyroidism and thyroiditis Hematology 1 Hematology 2		5		
17 18 19 20 21 22 23 24 25	Hematology 1 Hematology 2		5		
18 19 20 21 22 23 24 25	Hematology 2		5		
19 20 21 22 23 24 25			5		
20 21 22 23 24 25	Hematology 3		6		
21 22 23 24 25	Practical skills of examining a patient in diabetology		6		
22 23 24 25	Glomerulonephritis and chronic renal failure - clinical				
22 23 24 25	guidelines and treatment practice			6	
23 24 25	Interstitial nephritis and acute renal failure			6	
24 25	Venous thrombosis and embolism			6	
	Infective endocarditis			6	
	Acute coronary syndrome - clinical guidelines, clinical			6	
176	practice and promising approaches in diagnosis and treatment			4	
	Emergency conditions in the clinic of internal diseases			4	
	Hematology 1				6
	Hematology 2				6
	Hematology 3				6
	Hematology 4				6
	Hematology 5				6
	Hematology 6				6
	Diseases of the pituitary gland (acromegaly,				6
	hyperprolactinemia, diabetes insipidus)				
	Diseases of the adrenal glands (cedentalomas,				6
	hyperaldosteronism, pheochromocytoma)				
	Diseases of the adrenal glands (Cushing's syndrome and				6
	adrenal insufficiency)				
	• '				6
37	Hospital-acquired pneumonia and pneumonia in special groups				4
,	Hospital-acquired pneumonia and pneumonia in special				4

<sup>\*(</sup>full-time form, with the use of EEM and DET)

## 6.5. Thematic plan of seminars: not provided by the curriculum.

## 6.6. Types and topics of student independent work (SIW):

No	Types and topics of the SIW	Volume in Ah (hour)			
р/р		9	10	11	12
1	writing case histories, essays	12	12	6	12

2	preparation of reports, speeches	6	6	4	10
3	preparation for participation in classes in an interactive form (role- playing and business games, trainings, game design, computer simulation, discussions),	4	6	4	12
4	work with electronic educational resources posted on the educational portal of the Federal State Budgetary Educational Institution of Higher Education "PIMU" of the Ministry of Health of Russia	12	6	6	12
5	work with literary and other sources of information on the section under study, including in an interactive form		12	6	12
	Total, AH	46	42	26	58

## 6.7. Student's research work:

No.	Name of the topics of the student's research work	Semester
p / p		
1	New medical technologies in the diagnosis and treatment of	9, 10, 11, 12
	internal diseases	
2	Rational pharmacotherapy of pathology of internal organs	9, 10, 11, 12
3	Demonstration of clinical cases of comorbid pathology of internal	9, 10, 11, 12
	organs	
4	Presentations on rare forms of pathology of internal organs based	9, 10, 11, 12
	on literature data	
5	Treatment of diseases of internal organs in the elderly	9, 10, 11, 12

## 7. Fund of evaluation tools for current control and intermediate certification

No	semes				Evaluation to	ols
. p	ter numb	Forms of control	Name of the discipline section	kinds	number of control	number of options for
/ p	er	control	discipline section	KIIIGS	questions	test tasks
one	2	3	four	5	6	7
1.	7	Control of the development	Respiratory diseases	Test tasks	twenty	Unlimited
		of the topic, control of the		Situational tasks	one	twenty
		student's independent work		abstract	one	twenty
2.	7	Control of the development of the topic,	Diseases of the blood and hematopoietic	Test tasks Situational tasks	twenty	Unlimited twenty
		control of the student's independent work	organs	abstract	one	twenty
3.	7	Control of the	Diseases of the	Test tasks	twenty	Unlimited
		development	digestive system	Situational	one	twenty
		of the topic,		tasks		
		Control of		Presentatio	one	twenty
		student's		n		
		independent				
		work,				

4.	8	Control of the	Diseases of the	Test tasks	twenty	Unlimited
		development of the topic,	cardiovascular system	Situational tasks	one	twenty
		control of the		Presentation	one	twenty
		student's independent work		abstract	one	twenty
5.	8	Control of the	Diseases of the	Test tasks	twenty	Unlimited
		development of the topic, control of the student's independent work	kidneys and urinary tract	Situational tasks	one	twenty
6.	8	Control of the	Diseases of the	Test tasks	twenty	Unlimited
		development of the topic,	joints and connective tissue	Situational tasks	one	twenty
		control of the student's independent work		Presentation	one	twenty
7.	8	Control of the	Diseases of the	Test tasks	twenty	Unlimited
		development of the topic,	endocrine system	Situational tasks	one	twenty
		control of the		Presentation	one	twenty
		student's independent work		abstract	one	twenty
8.	8	Control of the	Practical skills	Test tasks	twenty	Unlimited
		development of the topic,		Situational tasks	one	twenty
		control of the student's independent work		Disease history	four	Unlimited
9.	8	Exam	All sections of the	test .	2	80
			discipline	questions		10
				Situational	one	40
				tasks		

8. Educational, methodological and information support of the discipline (printed, electronic publications, Internet and other network resources).

#### 8.1. List of basic literature:

N		Number of copies	
	Name according to bibliographic requirements	At the	In library
0.		department	
	Longo Dan l. <u>Harrison's principles of internal medicine.</u>		
1	<u>V.1</u> . McGraw-Hill, 2012		15

2.	Longo Dan I. <u>Harrison's principles of internal medicine.</u> <u>V.2</u> . McGraw Hill, 2012	15
3.	Current practice guidelines in primary care / JS Esherick, DS Clark, ED Slater New York: McGraw-Hill, 2013 402 p.: il. ISBN 978-0-07-179750-4.	25
fo ur	Clinical medicine / edited by <u>P. Kumar</u> , <u>M. Clark</u> . – 8th ed Edinburgh : Saunders, 2012 1286 p.: il.	50
5.	Davidson's principles and practice of medicine / edited by <u>C. Haslett</u> , <u>J. A. A. Hunter</u> . – 19th ed Edinburgh: Churchill Livingstone, 2002 1274 p.: soft.	20

## 8.2. List of additional literature:

N		Number	of copies
	Name according to bibliographic requirements	At the	In library
0.		department	-
1	Cardiology / D. G. Julian, J. C. <u>Cowan</u> , <u>J. M.</u> <u>McLenachan</u> . – 8th ed. – [b. m.] Elsevier Saunders, 2005. - 387 p.: soft.		20
2.	Williams textbook of endocrinology / <u>PR Larsen</u> , <u>HM Kronenberg</u> , <u>S. Melmed</u> , <u>KS Polonsky</u> . – 10th ed. – [b. m.] Saunders, 2003 1927 p.: tv.		5
3.	The ECG made easy / JR Hampton. – 7th ed Edinburgh: Churchill Livingstone, 2008 179 p.: ill. soft		14
fo ur	Physical agents in rehabilitation: from research to practice / MH Cameron Philadelphia: WBSaunders Company, 1999 490 p.: ill. soft		10
5.	Emergency Medicine / L. Stead. – [b. m.] Lippincott Williams & Wilkins, 2000 673p.		5

# 8.3. List of guidelines for independent work of students:

N		Number	of copies
	Name according to bibliographic requirements	At the	In library
О.		department	
О	Strongin LG Diabetes mellitus: textbook for the		
n	international english speaking medical students.	2	30
e.	Publishing House of NNSMA, 2015100 p.		
	Botova SN Practical aspects of spirometry: textbook for		
2.	the overseas medical students. Publishing House of	2	5
2.	NNSMA, 2015 56 p.	2	3

3.	Strongin LG Interpretation of ECG data: textbook for the international english speaking medical students.  Publishing House of NNSMA, 2014 68 p.	2	15
fo ur	Strongin LG <u>Guide to case report writing</u> , history taking and physical examination: textbook for the international english speaking medical students. Publishing House of NNSMA, 2014 64 p.	2	10
5.	Petrov AV Guide to case report writing for 6 course students. Publishing House of PIMU, 2020 62 p.	2	10

- 8.4. Electronic educational resources used in the process of teaching the discipline:
- 8.4.1. Internal Electronic Library System of the University (IELS)\*

Name of the		Brief description (content)	Access conditions	Number
electronic resource				of users
Internal electronic		Proceedings of the teaching	from any computer on the	Not
library system		staff of the Academy: textbooks	Internet, using an individual	limited
(IELS)		and teaching aids, monographs,	login and password	
		collections of scientific papers,	[Electronic resource] -	
		scientific articles, dissertations,	Access mode:	
		abstracts of dissertations,	http://95.79.46.206/login.ph	
		patents.	р	

## 8.4.2. Electronic educational resources purchased by the university

Name of the	Brief description (content)	Access conditions	Number
electronic resource			of users
Electronic database	Educational literature +	from any computer on the	General
"Student Advisor"	additional materials (audio,	Internet, using an individual	subscripti
	video, interactive materials, test	login and password	on of
	tasks) for higher medical and	[Electronic resource] -	PIMU
	pharmaceutical education.	Access mode:	
	Editions are structured by	http://www.studmedlib.ru/	
	specialties and disciplines in		
	accordance with the current		
	Federal State Educational		
	Standards of Higher		
	Professional Education.		
Electronic library	Educational and scientific	from any computer located	General
system "Bukap"	medical literature of Russian	on the Internet by login and	subscripti
	publishing houses, incl.	password, from the	on of
	translations of foreign	computers of the academy.	PIMU
	publications.	Subscribed editions are	
		available for reading.	
		[Electronic resource] -	
		Access mode:	
		http://www.books-up.ru/	
"Bibliopoisk"	Integrated search service "single	For PIMU, access to the	General
	window" for electronic catalogs,	demo version of the	subscripti

	ELS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	Bibliopoisk search engine is open: http://bibliosearch.ru/pimu.	on of PIMU
Domestic electronic periodicals	Periodicals on medical topics and higher education	- from the computers of the academy on the platform of the electronic library eLIBRARY.RU -magazines publishing house "Mediasphere" - from the computers of the library or provided library at the request of the user [Electronic resource] - Access mode: https://elibrary.ru/	
International scientometric database "Web of Science Core Collection"	Web of Science covers materials on natural, technical, social, humanities; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PIMU computers [Electronic resource] - Access to the resource at: http://apps.webofknowledge .com	Free access from PIMU computers

# 8.4.3 Open access resources

Name of the	Brief description (content)	Access conditions
electronic resource		
Federal Electronic	Includes electronic analogues of printed publications	from any computer
Medical Library	and original electronic publications that have no	on the Internet
(FEMB)	analogues recorded on other media (dissertations,	
	abstracts, books, magazines, etc.).	
	[Electronic resource] - Access mode: http://neb.rf/	
Scientific	The largest Russian information portal in the field of	from any computer
electronic library	science, technology, medicine and education,	on the Internet.
eLIBRARY.RU	containing abstracts and full texts of scientific articles	
	and publications. [Electronic resource] - Access mode:	
	https://elibrary.ru/	
Scientific	Full texts of scientific articles with annotations	from any computer
electronic library of	published in scientific journals in Russia and	on the Internet
open access	neighboring countries. [Electronic resource] - Access	
CyberLeninka	mode: https://cyberleninka.ru/	

Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] - Access mode: http://www.rsl.ru/	from any computer on the Internet
Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc.  [Electronic resource] - Access mode: http://www.consultant.ru/	from any computer on the Internet
Official website of the Ministry of Health of the Russian Federation	National Clinical Guidelines [Electronic resource] - Access mode: cr.rosminzdrav.ru - Clinical guidelines	from any computer on the Internet
Official websites of the Russian Respiratory Society, Russian Society of Cardiology	Modern materials and clinical guidelines for the diagnosis and treatment of respiratory diseases, cardiovascular diseases  [Electronic resource] - Access mode: www.spulmo.ru - Russian Respiratory Society  www.scardio.ru - RKO	from any computer on the Internet
Official website of the Russian Scientific Society of Therapists	Modern materials and clinical guidelines for the diagnosis and treatment of diseases of internal organs  [Electronic resource] - Access mode: www.rnmot.ru - Russian Scientific Society of Therapists	from any computer on the Internet

#### 9. Logistics support of discipline.

#### 9.1. The list of premises necessary for conducting classroom lessons in the discipline.

- 1. Lecture hall equipped with multimedia equipment and a microphone.
- 2. Clinical practice rooms
- 3. Multidisciplinary accreditation and simulation center
- 4. Chambers of therapeutic and pulmonological departments, diagnostic rooms of healthcare facilities clinical bases of the department of propaedeutics of internal diseases

#### 9.2. The list of equipment necessary for conducting classroom lessons in the discipline.

- 1. multimedia complex
- 2. Medical documentation: medical history, outpatient card
- 3. Archival and educational case histories
- 4. Pocket inhalers, spacers, nebulizers, glucometers. Apparatus for recording ECG. Systems for continuous monitoring of ECG, glucose levels.
- 5. heart and lung auscultation simulator
- 6. A set of samples of the results of a complete blood test.
- 7. Samples of the results of the study of sputum and pleural fluid.
- 8. Samples of urine test results.
- 9. Disk "Lung auscultation. Auscultation of the heart"
- 10. Set of electrocardiograms.
- 11. A set of echocardiograms.
- 12. Album of ultrasound results

- 13. Set of radiographs
- 14. Tonometers
- 15. Phonendoscopes. Stethoscopes
- 16. Slides and multimedia presentations of lectures
- 17. Standardized patient
- 18. Scenarios and instructions for participants when conducting role-playing games

# 9.3. A set of licensed and freely distributed software, including domestic production

19

	19.					
Ite m no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOG IES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN1003 0 LLC "Softline Trade" from 04.12.2020

#### 10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of *Name of the department* 

	C	HANGE REGISTRATION SHEE	ET				
working program for the academic discipline  NAME OF THE ACADEMIC DISCIPLINE							
Field of s	tudy / specialty / scien	tific specialty:					
name) Training	profile:			(code,			
	(	name) - for master's degree program	ns				
Mode of		ull-time/mixed attendance mode/ext	 ramural				
Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature			
1							
Protocol Head of t	d at the department me Noof he Department						
departi	ment name, academic t	ritle signatu	re p	rint name			