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

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: FUNDAMENTALS OF PULMONOLOGY

Specialty: 31.05.01 GENERAL MEDICINE

Qualification: GENERAL PRACTITIONER

Department: ENDOCRINOLOGY AND INTERNAL MEDICINE

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 72 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 prog	gram:
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Nekrasova T.A., MD, associate professor department of endocrinology and internal medicine

The program was reviewed and approved at the department meeting (protocol No., date)

Head of the Department,
MD, PhD, Associate professor

(signature)

I.G. Pochinka

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 academic discipline Fundamentals of **Pulmonology** (hereinafter – the discipline):

1.1. The main goal of mastering and teaching the "Fundamentals of Pulmonology"

The main purpose of mastering and teaching the "Fundamentals of Pulmonology" to VI-year students is the formation of clinical (conceptual) thinking, including a professional algorithm in solving practical problems in this section of the internal medicine clinic. To form a medical professional behavior in a therapeutic clinic based on deontological principles and ethical norms. To develop students' mental, sensory and motor skills necessary for an ORP doctor to perform their professional duties. To contribute to the improvement of the general culture of a medical university student.

1.2. Tasks of the discipline:

Teaching the "Fundamentals of Pulmonology" in a hospital clinic is based on reading clinical lectures, conducting practical classes and independent work of students at the bedside under the guidance of a teacher.

The main purpose of studying the "Fundamentals of Pulmonology" at the Department of Hospital Therapy involves solving relevant professional tasks:

- to master the algorithm for making a clinical diagnosis, prescribing treatment and preventive measures for the main nosological forms in pulmonology
- be able to collect and analyze information about the patient's condition, taking into account additional research methods;
- be able to diagnose emergency conditions and provide emergency medical care at the prehospital and hospital stages;
- be able to compile and maintain medical records in the clinic of internal diseases;
- be able to conduct an examination of disability;
- be able to work independently with educational, scientific, regulatory and reference literature.

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

- emodern methods of clinical, laboratory and instrumental diagnostics of patients with pulmonological profile;
- features of providing medical care to adults and adolescents in emergency conditions;
- clinical and pharmacological characteristics of the main groups of drugs and rational choice of specific drugs in the treatment of major pathological syndromes of diseases and emergency conditions in patients;
- fundamentals of the organization of inpatient care for adolescents and adults;
- maintaining standard accounting and reporting medical documentation in medical and preventive institutions of the healthcare system, carrying out an examination of working capacity;
- fundamentals of the use of evidence-based medicine methods in assessing the health status of adults 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, blood pressure measurement, determination of pulse characteristics, respiratory rate, etc.);
- send for laboratory and instrumental examination, for consultation with specialists:
- interpret the results of the examination, use the data of physical, laboratory and instrumental examination, laboratory data for diagnosis in outpatient and inpatient settings.
- outline the scope of additional studies to clarify the diagnosis; formulate a clinical

- diagnosis;
- to develop an optimal treatment plan for a sick person taking into account the course of the disease, to select and prescribe drug therapy taking into account the pharmacokinetics and pharmacodynamics of drugs, to prevent their undesirable side effects, to use methods of non-drug treatment;
- draw up a rehabilitation program at the hospital and polyclinic stage, monitor its implementation;
 - determine the fact of temporary disability, its cause, criteria for recovery and restoration of working capacity;
- to determine the indications for employment, the establishment of a disability group and its prediction;
- to keep medical records of various types in outpatient and inpatient institutions;
- to carry out sanitary and educational work, to make its plan;
- manage the work of the nursing staff in the hospital.

Possess:

- basic technologies of information transformation: text, tabular editors; techniques of working on the Internet for professional activity;
- 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 subsequent referral for additional examination and to specialist doctors;
- an algorithm for making a detailed clinical diagnosis;
- an algorithm for performing basic medical diagnostic and therapeutic measures to provide first 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 "Fundamentals of Pulmonology" is a discipline of the choice of a professional cycle. The discipline is studied in the 12th semester/6 year of study.

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

- 1. Obstetrics and gynecology
- 2. Medical rehabilitation
- 3. Phthisiology
- 4. Polyclinic therapy
- 5. Anesthesiology, intensive care, intensive care
- 6. Hospital surgery
- 7. Oncology, radiation therapy
- 8. Traumatology orthopedics
- 9. Public health and healthcare, healthcare economics

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

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

	Competen	The content of the	Code and name of		of mastering the students sho	the discipline, ould:
№	ce code	competence (or its part)	the competence acquisitionmetric	know	be able to	possess
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 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 IUC 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 professional field; search for information and solutions based on action, experiment and experience	the skills of researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC-4	Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	IUC 4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies IUC 4.2 Knows how to: express their thoughts in Russian and foreign languages in	basics of oral and written communicat ion in Russian and foreign languages, functional styles of the native language, requirement s for business communicat ion, modern means of information and	express your thoughts in Russian and foreign languages in business communicat ion	skills in compiling texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian; experience of speaking Russian and foreign languages

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			business	communicat		
			communication	ion		
			IUC 4.3	technologie		
			Has practical	S		
			experience in:			
			compiling texts in			
			Russian and foreign			
			languages related to			
			professional			
			activities; experience			
			in translating medical			
			texts from a foreign			
			language into			
			Russian; experience			
			of speaking Russian			
			and foreign languages			
3.	UC-5	Able to analyze and	IUC 5.2 Is able to:	the main	competently	skills of
] .		take into account the	competently, clearly	categories	, accessible	productive
1		diversity of cultures	present professional	of	to express	interaction in
		in the process of	information in the	philosophy,	professional	a professional
		intercultural	process of	the laws of	information	environment,
		interaction	intercultural	historical	in the	taking into
			interaction; observe	developmen	process of	account
			ethical standards and	t, the	intercultural	national,
			human rights; analyze	foundations	interaction;	ethno-cultural,
			the features of social	of	observe	confessional
			interaction, taking	intercultural	ethical	characteristics
			into account national,	communicat	standards	; overcoming
			ethno-cultural,	ion; basic	and human	communicativ
			confessional	concepts of	rights;	e, educational,
			characteristics	human	analyze the	ethnic,
			I UC 5.3 Has	interaction	features of	confessional
			practical experience:	in an	social	and other
			productive interaction	organizatio	interaction,	barriers in the
			in a professional	n	taking into	process of
			environment, taking		account	intercultural
			into account national,		national,	interaction
			ethno-cultural,		ethno-	
			confessional		cultural,	
			characteristics;		confessiona	
			overcoming		1	
			communicative,		characteristi	
			educational, ethnic,		cs	
			confessional and			
1			other barriers in the			
1			process of			
			intercultural			
			interaction			
4.	GPC-1	Able to implement	IGPC 1.1 Knows:	foundations	apply	skills in
1		moral and legal	basics of medical	of medical	ethical	solving
		norms, ethical and	ethics and	ethics and	standards	standard
		deontological	deontology;	deontology;	and	problems of
		principles in	fundamentals of	fundamenta	principles	professional
		professional activities	legislation in the field	ls of	of behavior	activity based
			of healthcare; legal	legislation	of a medical	on ethical
1			aspects of medical	in the field	worker in	norms and
			practice	of	the	deontological
		•		•	•	

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			IGPC 1.2 Is able to:	healthcare;	performanc	principles
			apply ethical norms	legal	e of their	when
			and principles of	aspects of	professional	interacting
			behavior of a medical	medical	duties;	with
			worker in the	practice	knowledge	colleagues and
			performance of their		of modern	patients (their
			professional duties;		legislation	legal
			knowledge of modern		in the field	representative
			legislation in the field		of	s), knowledge
			of healthcare in		healthcare	of the legal
			solving problems of		in solving	aspects of
			professional activity;		problems of	medical
			apply the rules and		professional	practice
			norms of interaction		activity;	•
			between a doctor and		apply the	
			colleagues and		rules and	
			patients (their legal		norms of	
			representatives)		interaction	
1			IGPC 1.3 Has		between a	
1			practical experience:		doctor and	
1			solving standard		colleagues	
			problems of		and patients	
			professional activity		(their legal	
			based on ethical		representati	
			norms and		ves)	
			deontological		(03)	
			principles when			
			interacting with			
			colleagues and			
			patients (their legal			
			representatives),			
			knowledge of the			
			legal aspects of			
			medical practice			
5.	GPC-2	Able to conduct and	IGPC 2.1 Knows: the	the main	conduct	skills to
٦.	GI C 2	monitor the	main criteria for a	criteria for a	sanitary and	promote a
		effectiveness of	healthy lifestyle and	healthy	hygienic	healthy
		preventive measures,	methods of its	lifestyle and	education	lifestyle and
1		the formation of a	formation; socio-	methods of	among	prevent the
		healthy lifestyle and	hygienic and medical	its	children	most common
		sanitary and hygienic	aspects of alcoholism,	formation;	and adults	diseases;
		education of the	drug addiction,	socio-	(their legal	carrying out
		population	substance abuse, the	hygienic	representati	sanitary-
		population	basic principles of	and medical	ves) and	educational
			their prevention;	aspects of	medical	work among
1			forms and methods of	alcoholism,	workers in	children and
1			sanitary and hygienic	drug	order to	adults;
1			education among	addiction,	form a	formation in
1			patients (their legal	substance	healthy	children and
1			representatives),	abuse, the	lifestyle and	adults (their
1			medical workers;	basic	prevent the	legal
1			basic health-	principles	most	representative
1			improving hygiene	of their	common	s) of behavior
1			measures that	prevention;	diseases; to	aimed at
			promote health and	forms and	carry out	maintaining
			promote health and prevent the most	methods of	sanitary and	and improving
1			common diseases;	sanitary and	educational	the level of
<u> </u>		l	common diseases,	samai y and	cuucatioliai	THE TEVEL OF

fundamentals of preventive medicine; stages of planning and implementation of community programs for the prevention of the most common diseases IGPC 2.2 Is able to: conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; to carry out sanitary and educational work among children and adults in order to form a healthy lifestyle and prevent the most common diseases; to form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic health; develop and implement programs for the formation of a healthy lifestyle. including programs to reduce the consumption of alcohol and tobacco, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures

hygienic education among patients (their legal representati ves). medical workers: basic healthimproving hygiene measures that promote health and prevent the most common diseases: fundamenta ls of preventive medicine; stages of planning and implementa tion of community prevention programs

work among children and adults in order to form a healthy lifestyle and prevent the most common diseases; to form in children and adults (their legal representati ves) behavior aimed at maintaining and improving the level of somatic health; develop and implement programs for the formation of a healthy lifestyle. including programs to reduce the consumptio n of alcohol and tobacco, prevent and combat the nonmedical consumptio n of narcotic drugs and psychotropi substances: develop a plan of preventive measures and implement

somatic health: formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; development of a plan of preventive measures and the implementatio n 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 hygienic prevention in accordance with the procedures for providing medical care. clinical recommendati ons, taking into account the standards of medical care; selection and prescription of drugs and

to patients, taking into account risk factors for the prevention and ea detection of disea including cancer;	group and individual prevention	non-drug methods for the prevention
into account risk factors for the prevention and ea detection of disea including cancer;	group and individual prevention	methods for the prevention
prevention and ea detection of disea including cancer;	individual prevention	
detection of diseasincluding cancer;		
detection of diseasincluding cancer;		of the most
including cancer;	ises, of the most	common
		diseases
select and prescri		
drugs and non-dr		
methods for the	preventive	
prevention of the	_	
most common	patients,	
diseases	taking into	
IGPC 2.3 Has	account risk	
practical experier		
in: promotion of a		
healthy lifestyle a		
prevention of the		
most common	detection of	
diseases; carrying		
sanitary-educatio		
work among child		
and adults; forma		
in children and ac		
(their legal	drugs and	
representatives) of		
behavior aimed a		
maintaining and	the	
improving the lev	vel prevention	
of somatic health		
formation of heal		
lifestyle program:		
including program		
reduce alcohol an		
tobacco consump	tion,	
prevent and comb	oat	
the non-medical		
consumption of		
narcotic drugs an	d	
psychotropic		
substances;		
development of a	plan	
of preventive		
measures and the		
implementation o	of	
methods of group	and	
individual preven	ition	
of the most comm	non	
diseases; prescrib	oing	
preventive measu	res	
for children and		
adults, taking into		
account risk factor	ors,	
oncological and		
hygienic preventi		
in accordance with		
the procedures fo		
providing medica	ıl	

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			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			
6.	GPC-4	Able to use medical	IGPC 4.1 Knows the	Knows the	collect	Has practical
		devices provided for	methodology for	methodolog	complaints,	experience:
		by the order of	collecting anamnesis	y for	anamnesis	collecting
		medical care, as well	of life and diseases,	collecting	of life and	complaints,
		as conduct	complaints from	an	disease in	anamnesis of
		examinations of the	patients (their legal	anamnesis	patients	life and
		patient in order to	representatives);	of life and	(their legal	disease in
		establish a diagnosis	method of	diseases,	representati	patients (their
			examination and	complaints	ves),	legal
			physical examination;	from	identify risk	representative
			clinical picture,	patients	factors and	s), identifying
			diagnostic methods of	(their legal	causes of	risk factors
			the most common	representati	the	and causes of
			diseases; methods of	ves);	developmen	diseases;
			laboratory and	method of	t of	examination
			instrumental studies	examination	diseases;	and physical
			for assessing the state	and	apply	examination
			of health, medical	physical	methods of	of patients;
			indications for	examination	examination	diagnosis of
			conducting studies,	; clinical	and	the most
			rules for interpreting	picture,	physical	common
			their results;	diagnostic	examination	diseases;
			international	methods of	of patients;	identification
			statistical	the most	interpret the	of risk factors
			classification of	common	results of	for major
			diseases and related	diseases;	the	cancers;
			health problems	methods of	examination	formulating a
			(ICD); conditions	laboratory	and	preliminary
			requiring emergency	and	physical	diagnosis,
			medical care; the	instrumenta	examination	drawing up a
			procedure for the use of medical devices in	1 studies for	of patients;	plan for
			accordance with the	assessing the state of	diagnose the most	instrumental, laboratory,
						additional
			current procedures for the provision of	health, medical	common pathology	studies,
			medical, clinical	indications	in patients;	consultations
			recommendations	for	identify risk	with specialist
			(treatment protocols)	conducting	factors for	doctors;
			on the provision of	studies,	cancer;	referral of
			medical care, care,	rules for	formulate a	patients for
			taking into account	interpreting	preliminary	instrumental,
			the standards of	their	diagnosis,	laboratory,
			medical care	results;	draw up a	additional
			IGPC 4.2 Is able to:	internationa	plan for	studies,
			collect complaints,	1 statistical	conducting	consultations
		I	tonoct complaints,	1 Statistical	Johnauching	Johnshammin

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 additional studies in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care: refer patients for consultations to specialist doctors in accordance with the procedures for providing medical care, clinical recommendations. taking into account the standards of medical care; interpret and analyze

classificatio n of diseases and related health problems (ICD); conditions requiring emergency medical care; order

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 with the current procedures for the provision of medical care, clinical recommend ations, taking into account the standards of medical care; refer patients for consultation s to specialist doctors in accordance with the procedures for providing medical care. clinical recommend

of medical specialists in accordance with the current procedures for the provision of medical care, clinical recommendati ons, 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 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

the results of consultations with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; apply 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 IGPC 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

ations, taking into account the standards of medical care: interpret and analyze the results consultation s with patients' specialists; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumenta 1) examination methods; to carry out differential diagnostics of diseases in patients; identify clinical signs of sudden acute diseases, conditions. exacerbatio ns of chronic diseases without obvious signs of a threat to life, requiring emergency medical care; apply medical devices in accordance with the current procedures

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

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 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

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

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7.	GPC-5	Able to assess morphofunctional,	IGPC-5.1 Knows: anatomy, histology,	anatomy, histology,	evaluate the main	skills in assessing
		physiological	embryology,	embryology	morphofunc	basic
		conditions and	topographic anatomy,	embryology	tional data,	morphological
		pathological	physiology,	topographic	physiologic	and functional
		processes in the	pathological anatomy	anatomy,	al	data,
		human body to solve	and physiology of	physiology,	conditions	physiological
		professional problems	human organs and	pathological	and	conditions and
		professional proofeins	systems	anatomy	pathological	pathological
			IGPC 5.2 Able to:	and	processes in	processes in
			evaluate the basic	physiology	the human	the human
			morphological and	of human	body	body when
			functional data,	organs and	,	solving
			physiological	systems		professional
			conditions and			problems
			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			
8.	GPC-6	Able to organize	IGPC 6.1 Knows:	methodolog	recognize	skills in
		patient care, provide	methods of collecting	y for	conditions	assessing a
		primary health care,	complaints and	collecting	requiring	condition
		ensure the	anamnesis from	complaints	emergency	requiring the
		organization of work	patients (their legal	and	medical	provision of
		and the adoption of professional decisions	representatives); methods of physical	anamnesis from	care, including in	medical care in an
		in emergency	examination of	patients	emergency	emergency
		conditions at the	patients (examination,	(their legal	situations,	form,
		prehospital stage, in	palpation, percussion,	representati	epidemics	including in
		emergency situations,	auscultation);	ves);	and in areas	emergency
		epidemics and in	principles and	methods of	of mass	situations,
		centers of mass	methods of providing	physical	destruction,	epidemics and
		destruction	medical care to	examination	requiring	in centers of
			patients in	of patients	emergency	mass
			emergencies, in	(examinatio	medical	destruction;
			emergency situations,	n,	care;	recognition of
			epidemics and in	palpation,	organize the	conditions that
			areas of mass	percussion,	work of	pose a threat
			destruction in	auscultation	medical	to life,
			accordance with the); principles and	personnel in	including the state of
			procedures for providing medical	methods of	emergency situations,	clinical death
			care, clinical	providing	in	(stoppage of
			recommendations,	medical	emergency	vital functions
			taking into account	care to	situations.	of the human
			taking into account the standards of	care to patients in	situations, epidemics	of the human body (blood

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 IGPC 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 mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration): use medicines and medical devices in the provision of medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care

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 emergencie s; principles of medical evacuation emergency situations, epidemics and in the centers of mass destruction; principles health care

and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices in the provision of medical care in emergency conditions; perform basic cardiopulm onary resuscitatio n; use personal protective equipment; organize patient care, provide primary health care

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 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

						-
			IGPC-6.3 Has			
			practical experience			
			in: assessing a			
			condition requiring			
			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			
			(stopping the vital			
			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.	GPC-7	Able to prescribe	IGPC 7.1 Knows:	methods of	develop a	the skills to
		treatment and monitor	methods of drug and	drug and	treatment	develop a
		its effectiveness and	non-drug treatment,	non-drug	plan for	treatment plan
		safety	medical indications	treatment,	patients	for patients
			for the use of medical	medical	with the	with the most
			devices for the most	indications	most	common
			common diseases;	for the use	common	diseases in
			groups of drugs used	of medical	diseases in	accordance
			to provide medical	devices for	accordance	with the
					with the	
			care in the treatment	the most		current
			of the most common	common	procedures	procedures for
			diseases; the	diseases;	for	the provision

mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms IGPC 7.2 Is able to: develop a treatment plan 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; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, nondrug treatment IGPC 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

groups of drugs used to provide medical care in the treatment of the most common diseases: the mechanism of their action. medical indications and contraindica tions to the appointmen t; compatibilit y, possible complicatio ns, side effects. undesirable e reactions, including serious and unexpected; features of the provision of medical care in emergency forms.

providing medical care, clinical recommend ations. taking into account the standards of medical care; prevent or eliminate complicatio ns, side effects. adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulatio ns, the use of drugs and (or) medical devices. non-drug treatment

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 recommendati ons, taking into account the standards of medical care: evaluation of the effectiveness

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 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;

and 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 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

	,			T	,	1
			providing medical			without
			care to patients with			obvious signs
			sudden acute			of a threat to
			diseases, conditions,			the patient's
			exacerbation of			life in an
			chronic diseases			emergency
			without obvious signs			form; the use
			of a threat to the			of medicines
			patient's life in an			and medical
			emergency form; the			devices in the
			use of medicines and			provision of
			medical devices in the			medical care
			provision of medical			in an
			care in an emergency			emergency
			form			form
10.	GPC-8	Able to implement	IGPC 8.1 Knows: the	procedures	develop an	skills in
10.	G1 C-0	and monitor the	procedures for	for	action plan	drawing up a
		effectiveness of the	organizing medical	organizing	for the	plan of
		patient's medical	rehabilitation,	medical	medical	measures for
		rehabilitation,	including the	rehabilitatio	rehabilitatio	the medical
		including the	implementation of	n, including	n of	rehabilitation
		implementation of	individual programs	the	patients,	of a patient,
		individual	for the rehabilitation	implementa	including	including the
		rehabilitation and	and habilitation of	tion of	the	implementatio
		habilitation programs	disabled people;	individual	implementa	n of individual
		for the disabled, to	methods of medical	rehabilitatio	tion of	
		*	rehabilitation of the	n and	individual	programs for the
		assess the patient's		habilitation		rehabilitation
		ability to work	patient, including in		programs for the	and
			the implementation of individual	programs for disabled	rehabilitatio	habilitation of
			rehabilitation and			disabled
				people; methods of	n and habilitation	
			habilitation programs	medical		people, in
			for disabled people,		of disabled	accordance with the
			medical indications	rehabilitatio	people, in	
			and medical	n of the	accordance	current
			contraindications for	patient,	with the	procedure for
			their implementation,	including in	current	medical
			taking into account	the	procedure	rehabilitation,
			the diagnosis in	implementa	for	clinical
			accordance with the	tion of	organizing	recommendati
			current procedures for	individual	medical	ons, taking
			organizing medical	rehabilitatio	rehabilitatio	into account
			rehabilitation, clinical	n and	n, clinical	the standards
			recommendations,	habilitation	recommend	of medical
			taking into account	programs	ations,	care; carrying
			the standards of	for disabled	taking into	out medical
			medical care; ways to	people,	account the	rehabilitation
			prevent or eliminate	medical	standards of	measures for
			complications, side	indications	medical	patients,
			effects, adverse	and medical	care;	including the
			reactions, including	contraindica	determine	implementatio
			serious and	tions for	medical	n of individual
			unforeseen, resulting	their	indications	programs for
			from medical	implementa	for medical	the
			rehabilitation	tion, taking	rehabilitatio	rehabilitation
			measures; procedure	into account	n measures	and
			for examination of	the	in	habilitation 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 IGPC 8.2 Is able to: develop an action plan for the medical rehabilitation of patients, including the implementation of individual rehabilitation programs for the disabled, in accordance with the current procedure for 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

diagnosis in accordance with the current procedures for organizing medical rehabilitatio n. clinical recommend ations, taking into account the standards of medical care; ways to prevent or eliminate complicatio ns, side effects, adverse reactions, including serious and unforeseen мероприят иймедицин скойреабил итации; порядокэкс пертизывре меннойнет рудоспособ ностииприз накивреме ннойнетру доспособн остипациен та; признакист ойкогонару шенияфунк цийорганиз ма, обусловлен ногозаболе ваниями. последстви ямитравми лидефекта ΜИ

accordance with the current procedure for organizing medical rehabilitatio n. clinical recommend ations, taking into account the standards of medical care; evaluate the effectivenes s and safety of measures for the medical rehabilitatio n of patients, including the implementa tion of individual programs for the rehabilitatio n and habilitation of disabled people, in accordance with the current procedure for organizing medical rehabilitatio n. clinical recommend ations, taking into account the standards of medical care: determine signs of temporary disability

disabled people, in accordance with the current procedure for organizing medical rehabilitation. clinical recommendati ons, taking into account the standards of medical care: evaluation of the effectiveness and safety of measures for the medical rehabilitation of patients, including the implementatio n of individual programs for the rehabilitation and habilitation of disabled people;

the standards of and signs of medical care: permanent determine signs of impairment temporary disability of body and signs of functions permanent due to impairment of body diseases, functions due to consequenc diseases. es of consequences of injuries or injuries or defects defects IGPC 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 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: assessment 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.	GPC-9	Able to implement the principles of quality management in professional activities	IGPC 9.1 Knows: basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities IGPC 9.2 Is able to: analyze the quality of medical care provided to patients; ensure internal quality control and safety of medical activities; organize the work and monitor the performance of official duties of the medical personnel at their disposal IGPC 9.3 Has practical experience: carrying out work to ensure internal quality control of medical care for dental patients and the safety of medical	basic concepts of the quality managemen t system of a medical organizatio n; requirement s for ensuring internal quality control and safety of medical activities	analyze the quality of medical care for patients; ensure internal quality control and safety of medical activities; organize the work and monitor the performanc e of official duties of the medical personnel at their disposal	methodology for conducting work to ensure internal quality control of the provision of medical care to dental patients and the safety of medical activities
12.	GPC-10	Able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security	activities GPC 10.1 Knows: the possibilities of reference and information systems and professional databases; methods of information search, information and communication technologies; modern medical and biological terminology; basics of information security in professional activity IGPC 10.2 Able to: apply modern information and communication technologies to solve the problems of professional activity; to carry out an	the possibilities of reference and information systems and professional databases; methods of information search, information and communicat ion technologie s; modern medical and biological terminology; basics of information security in professional	apply modern information and communicat ion technologie s to solve the problems of professional activity; to carry out an effective search for information necessary to solve the problems of professional activity using reference systems and	a methodology for using modern information and bibliographic resources, using special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security

effective search for information necessary to solve the problems of professional activity using reference systems and professional databases; use medical and biological terminology; master and adaply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 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
automated information systems to solve standard tasks of professional
databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 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
modern medical and biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 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
biological terminology; master and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 10.3 Has practical experience in: using modern information information information information security is s in professional activities, taking into account the basic requirement sof information security information security information security information security information security basic requirement so of in: using modern information security information security security security and ion communicat ion activities, activities, account the basic requirement so of information security security
and apply modern information and communication technologies in professional activities, taking into account the basic requirements of information security IGPC 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 communicat ion technologie s in s in professional
information and communication technologie technologies in professional activities, taking into account the basic requirements of information security IGPC 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
communication technologies in professional activities, taking into account the basic requirements of information security IGPC 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 technologie s in technologie s in professional technologie s in professional technologie s in s in professional
technologies in professional activities, taking into account the basic requirements of information security IGPC 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
professional activities, taking into account the basic requirements of information security IGPC 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 professional activities, taking into account the basic requirement s of information security professional activities, taking into account the information security basic requirement s of information security
activities, taking into account the basic requirements of information security IGPC 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
account the basic requirements of information security IGPC 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
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special software and automated information systems to solve standard tasks of professional
automated information systems to solve standard tasks of professional
information systems to solve standard tasks of professional
to solve standard tasks of professional
activity taking into
account the basic
requirements of information security
13. GPC-11 Able to prepare and IGPC-11.1 Knows: scientific, prepare methodology
apply scientific, scientific, research research scientific, for compiling
research and and production, and research scientific,
production, design, design, production, and research and
organizational, organizational, design, production, production,
managerial and managerial and organizatio design, design,
regulatory regulatory nal, organizatio organizational,
documentation in the healthcare system documentation in the healthcare system healthcare system and managerial and regulatory
regulatory and documentation
IGPC-11.2 Able to: documentati regulatory in the
prepare scientific, on in the documentati healthcare
research and healthcare on in the system
production, design, system healthcare
organizational, system
managerial and
regulatory documentation in the
healthcare system
healthcare system 14. PC -1 Able to assess the IPC 1.1 Knows: etiology, identify a method for

						l a
		or emergency medical	pathomorphology,	pathomorph	conditions	of conditions
		care	clinical picture,	ology,	requiring	requiring
			differential diagnosis,	clinical	emergency	emergency or
			course features,	picture,	or	emergency
			complications and	differential	emergency	medical care
			outcomes of diseases	diagnosis,	medical	
			of the gastrointestinal	course	care	
			tract; methodology	features,		
			for collecting	complicatio		
			complaints and	ns and		
			anamnesis; physical	outcomes of		
			examination	diseases of		
			technique	the		
			(examination,	gastrointesti		
			palpation, percussion,	nal tract;		
			auscultation); a list of	methodolog		
			laboratory and	y for		
			instrumental research			
				collecting		
			methods for assessing	complaints		
			the condition, the	and		
			main medical	anamnesis;		
			indications for	physical		
			conducting research	examination		
			and interpreting the	technique		
			results in patients	(examinatio		
			requiring medical	n,		
			care in emergency or	palpation,		
			emergency forms	percussion,		
				auscultation		
			IPC 1.2 Able to:); a list of		
			identify clinical signs	laboratory		
			of conditions	and		
			requiring emergency	instrumenta		
			or emergency medical	1 research		
			care	methods for		
				assessing		
				the		
				condition,		
				the main		
				medical		
				indications		
				for		
				conducting		
				research		
				and		
				interpreting		
				the results		
				in patients		
				requiring		
				medical		
				care in		
				emergency		
				or		
				emergency		
				forms		
1 15	D C A	A la 1 a 4 a 4 a a a a a a a i - a	IPC 2.1	etiology,	identify	a method for
15.	PC -2	Able to recognize conditions arising	Knows: etiology,	pathogenesi	clinical	identifying

from sudden acute illnesses. exacerbation of chronic diseases without obvious signs of a threat to the patient's life and 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

pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; methodology for collecting complaints and anamnesis from patients (their legal representatives); 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

s and pathomorph ology, clinical picture, differential diagnosis, course features. complicatio ns and outcomes of diseases of the gastrointesti nal tract; methodolog y for collecting complaints and anamnesis from patients (their legal representati ves); methods of physical examination of patients (examinatio palpation, percussion, auscultation); a list of laboratory and instrumenta 1 research methods for assessing the patient's condition. the main medical indications conducting research and interpreting

the results; clinical signs of sudden

signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing

clinical signs
of conditions
requiring
emergency
medical care;
requiring
emergency
medical care,
including
clinical signs
of sudden
cessation of
blood
circulation and
breathing

	T			1	1	
				cessation of		
				circulation		
				and/or		
				respiration		
16.	PC -3	Able to provide	IPC	rules for	carry out	
		emergency medical	3.1 Knows: basic	basic	measures to	
		care to patients in	cardiopulmonary	cardiopulm	provide	
		case of sudden acute	resuscitation rules;	onary	medical	
		diseases, conditions,	principles of	resuscitatio	care in	
		exacerbation of	operation of devices	n;	urgent and	
		chronic diseases	for external	principles	emergency	
		without obvious signs	electropulse therapy	of operation	forms; basic	
		of a threat to the	(defibrillation); rules	of devices	cardiopulm	
			for performing	for external	•	
		patient's life, to	1		onary	
		provide emergency	external electrical	electropulse	resuscitatio	
		medical care to	impulse therapy	therapy	n in	
		patients in conditions	(defibrillation) in case	(defibrillati	combinatio	
		that threaten the	of sudden cessation	on); rules	n with	
		patient's life,	of blood circulation	for	electrical	
		including clinical	and / or respiration	performing	impulse	
		death (suspension of		external	therapy	
		vital functions the	IPC 3.2 Knows how	electrical	(defibrillati	
		human body	to: perform measures	impulse	on)	
		(circulation and/or	to provide medical	therapy		
		respiration)	care in urgent and	(defibrillati		
			emergency forms;	on) in case		
			basic	of sudden		
			cardiopulmonary	cessation of		
			resuscitation in	blood		
			combination with	circulation		
			electrical impulse	and / or		
			therapy	respiration		
			(defibrillation)	respiration		
17.	PC -4	Able to use medicines	IPC	modern	prescribe	methods that
1/.	10 4	and medical devices	4.1 Knows: modern	methods of	medicines,	provide the
		in the provision of	methods of using	using	medical	ability to
		medical care in	medicines, medical	medicines,	devices,	prescribe
			devices for diseases	medical		_
		emergency or urgent	and conditions in	devices for	taking into	drugs, medical
		forms	accordance with the		account the	devices,
				diseases	diagnosis,	taking into
			current procedures for	and	age and	account the
			the provision of	conditions	clinical	diagnosis, age
			medical care, clinical	in	picture of	and clinical
			recommendations	accordance	the disease	picture of the
			(treatment protocols)	with the	in .	disease in
			on the provision of	current	accordance	accordance
			medical care, taking	procedures	with the	with the
			into account the	for the	current	current
			standards of medical	provision of	procedures	procedures for
			care in the provision	medical	for the	the provision
			of medical care in	care,	provision of	of medical
			emergency or urgent	clinical	medical	care, clinical
			forms;	recommend	care,	guidelines
			the mechanism of	ations	clinical	(treatment
			action of drugs,	(treatment	guidelines	protocols) on
			medical devices,	protocols)	(treatment	the provision
			medical indications	on the	protocols)	of medical
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		and contraindications	provision of	on the	care in
		to their use;	medical	provision of	emergency or
		complications caused	care, taking	medical	emergency
		by their use;	into account	care in	forms
		principles of	the	emergency	
		operation of devices	standards of	or urgent	
		for external	medical	forms	
		electropulse therapy	care in the		
		(defibrillation);	provision of		
		rules for performing	medical		
		external electrical	care in		
		impulse therapy	emergency		
		(defibrillation) in case	or urgent		
		of sudden cessation	forms;		
		of blood circulation	the		
		and / or respiration	mechanism		
			of action of		
		IPC 4.2	drugs,		
		Knows how to:	medical		
		prescribe medicines,	devices,		
		medical devices,	medical		
		taking into account	indications		
		the diagnosis, age and	and		
		clinical picture of the	contraindica		
		disease in accordance	tions to		
		with the current	their use;		
		procedures for the	complicatio		
		provision of medical	ns caused		
		care, clinical	by their use;		
		guidelines (treatment	principles		
		protocols) on the	of operation		
		provision of medical	of devices		
		care in emergency or	for external		
		urgent forms	electropulse		
		urgent forms	_		
			therapy (defibrillati		
			on);		
			rules for		
			performing		
			external		
			electrical		
			impulse		
			therapy		
			tnerapy (defibrillati		
			*		
			on) in case of sudden		
			cessation of		
			blood		
			circulation		
			and / or		
10 PC 7	A 1-1 - 4 - 11 - 4	IDC	respiration	411	41. 1
18. PC -5	Able to collect	IPC	Legislation	to collect	methods,
	complaints,	5.1 Knows: The	of the	complaints,	including the
	anamnesis of the	legislation of the	Russian	anamnesis	collection of
	patient's life and	Russian Federation in	Federation	of life and	complaints,
i 1	•	.1 0 11 01 11		1. 2	
	illness, conduct a complete physical	the field of health care, regulatory legal	in the field of health	disease of the patient	anamnesis of life and

examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient

acts and other documents that determine the activities of medical organizations and medical workers; method of collecting complaints. anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination. palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; patterns of functioning of a healthy human body and mechanisms 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 pathological processes; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results

IPC 5.2 Able to: collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination

care, regulatory legal acts and other documents that determine the activities of medical organizatio ns and medical workers: method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examinatio n, palpation. percussion, auscultation); etiology, pathogenesi s and pathomorph ology, clinical picture, differential diagnosis, course features, complicatio ns and outcomes of diseases of the gastrointesti nal tract: patterns of functioning of a healthy human body and

mechanisms

disease of the and analyze patient and information analyze the received: information conduct a received; conduct a complete physical complete examination physical of the examination of the patient patient (examinatio (examination, palpation, palpation, percussion, auscultation) percussion, auscultation and interpret) and its results; interpret its determine the results; sequence of determine volume, content and sequence of sequence of volume, diagnostic measures content and sequence of

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diagnostic

measures

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		of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures	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 pathological processes; methods of laboratory and instrumenta 1 studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results		
19. PC -6	Able to refer the patient for laboratory, instrumental 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 recommendations (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	IPC 6.1 Knows: general issues of organizing medical care for the 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	their results general issues of organizing medical 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;	justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumenta l examination of the patient; justify the need to refer the patient for consultation s with specialist doctors;	methods 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

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	a day hospital if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	Able to: justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical indications for the provision of emergency, including emergency specialized, medical care	procedures for the provision of medical care, clinical recommend ations (treatment protocols) on the provision of medical care, standards of medical care	determine medical indications for the provision of emergency, including emergency specialized, medical care	of emergency, including emergency specialized, medical care
20. PC -7	Able to make a differential diagnosis with other diseases/conditions, including emergencies, to establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	IPC 7.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD IPC 7.2 Able to: analyze the results of the patient's examination, if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during	etiology, pathogenesis and pathomorph ology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of the gastrointestinal tract; methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting studies, rules for interpreting their results; ICD	analyze the results of the patient's examination , if necessary, justify and plan the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumenta l examination of the patient; interpret the data	methods that allow analyzing the results of the patient's examination, if necessary, substantiating and planning the scope of additional studies; interpret the results of collecting information about the patient's disease; interpret the data obtained during the laboratory examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during the instrumental examination of the patient; interpret the data obtained during consultations of the patient by medical

	T			T		T
			the instrumental		obtained	specialists; to
			examination of the		during	carry out
			patient; interpret the		consultation	differential
			data obtained during		s of the	diagnostics of
			consultations of the		patient by	diseases of
			patient by medical		medical	internal organs
			specialists; to carry		specialists;	from other
			out differential		to carry out	diseases
			diagnostics of		differential	
			diseases of internal		diagnostics	
			organs from other		of diseases	
			diseases		of internal	
					organs from	
					other	
					diseases	
21.	PC -8	Able to develop a	IPC -8.1	cmodern	draw up a	methods that
21.		treatment plan for a	Knows: modern	methods of	treatment	make it
		disease or condition	methods of using	using	plan for the	possible to
		and prescribe drugs,	medicines, medical	medicines,	disease and	draw up a
		medical devices,	devices and	medical	the patient's	treatment plan
		clinical nutrition and	nutritional therapy for	devices and	condition,	for the disease
		non-drug treatment,	diseases and	clinical	taking into	and the
		taking into account	conditions in a patient	nutrition for	account the	patient's
		the diagnosis, age and	in accordance with	diseases	diagnosis,	condition,
		clinical picture in	the current	and	the age of	taking into
		accordance with the	procedures for the	conditions	the patient,	account the
		current procedures for	provision of medical	in a patient	the clinical	diagnosis, the
		the provision of	care, clinical	in a patient	picture of	age of the
		•		accordance	the disease	•
		medical care, clinical	guidelines (treatment	with the		patient, the
		guidelines (treatment	protocols) on the		in	clinical picture of the disease
		protocols) on the	provision of medical	current	accordance	
		provision of medical	care, taking into	procedures	with the	in accordance
		care, taking into	account the standards	for the	current	with the
		account standards of	of medical care; the	provision of	procedures	current
		medical care and	mechanism of action	medical	for the	procedures for
		evaluate the	of drugs, medical	care,	provision of	the provision
		effectiveness and	products and medical	clinical	medical	of medical
		safety of the use of	nutrition, medical	guidelines	care,	care, clinical
		medicines, medical	indications and	(treatment	clinical	recommendati
		devices, clinical	contraindications to	protocols)	recommend	ons (treatment
		nutrition and other	their use;	on the	ations	protocols) on
		methods of treatment	complications caused	provision of	(treatment	the provision
			by their use; modern	medical	protocols)	of medical
			methods of non-drug	care, taking	on the	care, taking
			treatment of diseases	into account	provision of	into account
			and conditions in a	the	medical	the standards
			patient in accordance	standards of	care, taking	of medical
			with the current	medical	into account	care; prescribe
			procedures for the	care; the	the	medicines,
			provision of medical	mechanism	standards of	medical
			care, clinical	of action of	medical	products and
			recommendations	drugs,	care;	medical
			(treatment protocols)	medical	prescribe	nutrition,
			on the provision of	products	medicines,	taking into
			medical care, taking	and medical	medical	account the
			into account the	nutrition,	products	diagnosis, age
			standards of medical	medical	and medical	and clinical
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care; mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use

IPC 8.2 Able to: 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 the disease 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; prescribe medicines, medical products and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease 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; prescribe nondrug treatment taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical

indications and contraindica tions to their use; complicatio ns 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 recommend ations (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 contraindica tions to its appointmen t; side effects. complicatio ns caused by its use

nutrition, taking into account the diagnosis, age and 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 non-drug treatment taking into account the diagnosis, age and 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

picture of the disease 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; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease 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; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition

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			recommendations		medical	
			(treatment protocols)		care, taking	
			on the provision of		into account	
			medical care, taking		the	
			into account the		standards of	
			standards of medical		medical	
			care; evaluate the		care;	
			effectiveness and		evaluate the	
			safety of the use of		effectivenes	
			medicines, medical		s and safety	
			devices and clinical		of the use	
			nutrition		of modicines	
					medicines, medical	
					devices and	
					clinical	
					nutrition	
22.	PC -9	Able to provide	IPC-9.1 Knows: The	The	Prescribe	methods that
72.	1 C -9	palliative care in	procedure for	procedure	medicines,	allow
		cooperation with	providing palliative	for	medical	prescribing
		medical specialists	care	providing	devices and	medicines,
		and other medical	care	palliative	nutritional	medical
		professionals	IPC 9.2 Able to:	care	therapy,	devices and
		proressionals	Prescribe	cure	taking into	medical
			medications, medical		account the	nutrition,
			devices and		diagnosis,	taking into
			nutritional therapy,		age and	account the
			taking into account		clinical	diagnosis, age
			the diagnosis, age and		picture of	and clinical
			clinical picture of the		the disease	picture of the
			disease in accordance		in	disease in
			with the current		accordance	accordance
			procedures for the		with the	with the
			provision of medical		current	current
			care, clinical		procedures	procedures for
			guidelines (treatment		for the	the provision
			protocols) on the		provision of	of medical
			provision of medical		medical	care, clinical
			care, taking into		care,	recommendati
			account the standards		clinical	ons (treatment
			of medical care;		guidelines	protocols) on
			prescribe non-drug		(treatment	the provision
			treatment taking into		protocols)	of medical
			account the diagnosis,		on the	care, taking
			age and clinical		provision of	into account
			picture of the disease		medical	the standards
			in accordance with		care, taking	of medical
			the current		into account	care; prescribe
			procedures for the		the	non-drug
			provision of medical		standards of medical	treatment
			care, clinical recommendations			taking into
					care;	account the
			(treatment protocols) on the provision of		prescribe non-drug	diagnosis, age and clinical
			medical care, taking		treatment	picture of the
			into account the		taking into	disease in
			standards of medical		account the	accordance
			standards of inedical		account the	accordance

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

medical provision of care. medical clinical care, guidelines clinical (treatment recommend protocols) ations on the (treatment provision of protocols) medical on the care, taking provision of into account medical the care, taking standards of into account medical the standards of care; the mechanism medical of action of care; prescribe drugs, medical non-drug products treatment and medical taking into nutrition. account the diagnosis, medical indications age and and clinical contraindica picture of tions to the disease their use; in complicatio accordance ns caused with the by their use; current modern procedures methods of for the non-drug provision of treatment of medical diseases care, and clinical conditions recommend in a patient ations in (treatment accordance protocols) with the on the provision of current procedures medical for the care, taking provision of into account medical the care, standards of clinical medical recommend care; evaluate the ations (treatment effectivenes protocols) s and safety on the of the use provision of of medical medicines, care, taking medical

of medical care, clinical recommendati ons (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe non-drug treatment taking into account the diagnosis, age and clinical picture of the disease 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; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition

		care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition	into account the standards of medical care; mechanism of action of non-drug treatment; medical indications and contraindica tions to its appointmen t; side effects, complicatio ns caused by its use	devices and clinical nutrition	
24. PC -13	Able to refer a patient in need of medical rehabilitation 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 recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care	IPC 13.1 Knows: measures for the medical rehabilitation of the patient, medical 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 Able to: Determine medical indications for medical rehabilitation measures, including	measures for the medical rehabilitatio n of the patient, medical indications and contraindica tions 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	determine medical indications for carrying out medical rehabilitation measures, including when implementing an individual rehabilitation 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	methods that allow determining medical indications for medical rehabilitation measures, including the implementatio n of an individual rehabilitation or habilitation program for disabled people, 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; determine medical specialists to

when implementing an individual rehabilitation or habilitation program for people with disabilities, 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 into account the diagnosis and 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; perform measures for the medical rehabilitation of the 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; prescribe sanatorium-and-spa treatment to a patient in need of medical rehabilitation, including when implementing an individual

medical care: medical indications and contraindica tions to the appointmen t of spa treatment as a stage of the patient's medical rehabilitatio n: features of medical rehabilitatio n of elderly and senile patients

standards of medical care; determine medical specialists to carry out rehabilitatio n measures for a patient in need of medical rehabilitatio n, taking into account the diagnosis and 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; perform measures for the medical rehabilitatio n of the patient in accordance with the current procedures for the provision of medical care. clinical recommend

carry out rehabilitation measures for a patient in need of medical rehabilitation, taking into account the diagnosis and 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; perform measures for the medical rehabilitation of the patient 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; prescribe sanatoriumand-spa treatment to a patient in need of medical rehabilitation, including when implementing an individual

			1 1997			1 1 1 1 1 1 1 1
			rehabilitation or		ations	rehabilitation
			habilitation program		(treatment	or habilitation
			for disabled people,		protocols)	program for
			in accordance with		on the	disabled
			the current clinical		provision of	people, in
			recommendations		medical	accordance
			(treatment protocols)		care, taking	with the
			on the provision of		into account	current
			medical care,		the	clinical
			procedures for the		standards of	recommendati
			provision of medical		medical	ons (treatment
			care and taking into account the standards		care;	protocols) on
			of medical care		prescribe sanatorium-	the provision of medical
			of illedical care		and-spa	care,
					treatment to	procedures for
					a patient in	the provision
					need of	of medical
					medical	care and
					rehabilitatio	taking into
					n, including	account the
					when	standards of
					implementi	medical care
					ng an	
					individual	
					rehabilitatio	
					n or	
					habilitation	
					program for disabled	
					people, in	
					accordance	
					with the	
					current	
					clinical	
					recommend	
					ations	
					(treatment	
					protocols)	
					on the	
					provision of	
					medical	
					care,	
					procedures	
					for the	
					provision of medical	
					care and	
					taking into	
					account the	
					standards of	
					medical	
					care	
25.	PC -16	Able to organize and	IPC 16.1 Knows: the	principles	organize	methods that
25.		control the	principles of the	for the use	and conduct	allow
		immunoprophylaxis	application of specific	of specific	immunopro	organizing and
		of infectious diseases	and non-specific	and non-	phylaxis of	conducting
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		in the adult	prevention of	specific	infectious	immunoproph
		population, prescribe	infectious diseases,	prevention	diseases in	ylaxis of
		preventive measures	the national calendar	of	the adult	infectious
		to patients, taking	of preventive	infectious	population	diseases in the
		into account risk	vaccinations and the	diseases,	in	adult
		factors in accordance	calendar of	the national	accordance	population in
		with the current	preventive	calendar of	with the	accordance
		procedures for the	vaccinations	preventive	current	with the
		provision of medical	according to epidemic	vaccination	procedures	current
		care, clinical	indications;	s and the	for the	procedures for
		recommendations	legislation of the	calendar of	provision of	the provision
		(treatment protocols)	Russian Federation in	preventive	medical	of medical
		on the provision of	the field of health	vaccination	care,	care, clinical
		medical care, taking	protection, sanitary	s according	clinical	recommendati
		into account the	rules and regulations;	to epidemic	recommend	ons (treatment
		standards of medical	preventive measures	indications;	ations	protocols) on
		care, and monitor	taking into account	legislation	(treatment	the provision
		compliance with	the diagnosis in	of the	protocols)	of medical
		preventive measures	accordance with the	Russian	on the	care, taking
		preventive measures	current procedures for	Federation	provision of	into account
			the provision of	in the field	medical	the standards
			medical care, clinical	of health	care, taking	of medical
			recommendations		into account	
				protection,	the	care; prescribe
			(treatment protocols)	sanitary rules and	standards of	preventive measures to
			on the provision of			
			medical care, taking into account the	regulations;	medical	patients,
			standards of medical	preventive	care;	taking into account risk
				measures	prescribe	
			in the care IPC 16.2 Able to:	taking into account the	preventive	factors for the
					measures to	prevention and
			organize and conduct	diagnosis in accordance	patients,	early detection
			immunoprophylaxis		taking into	of diseases,
			of infectious diseases	with the	account risk	including
			in the adult	current	factors for	socially
			population in	procedures	the	significant
			accordance with the	for the	prevention	diseases
			current procedures for	provision of	and early	
			the provision of	medical	detection of	
			medical care, clinical	care,	diseases,	
			guidelines (treatment	clinical	including	
			protocols) on the	recommend	socially	
			provision of medical	ations	significant	
			care, taking into	(treatment	diseases	
			account the standards	protocols)		
			of medical care;	on the		
			prescribe preventive	provision of		
			measures to patients,	medical		
			taking into account	care, taking		
			risk factors for the	into account		
			prevention and early	the		
			detection of diseases,	standards of		
			including socially	medical		
			significant diseases	care		
		A 1-1 - 4 - C 1 1/1		forms and	develop and	methods that
26.	PC -19	Able to form healthy				
26.	PC -19	lifestyle programs,	I PC 19.1 Knows:	methods of	implement	allow
26.	PC -19		I PC 19.1 Knows: forms and methods	methods of sanitary and educational		allow developing and

	tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, evaluate the effectiveness of preventive work with patients	educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances I PC 19.2 Able to: develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances	work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumptio n, prevent and combat the nonmedical consumption of narcotic drugs and psychotropic substances	formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumptio n, prevent and combat the non- medical use of narcotic drugs and psychotropi c substances	implementing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances
27. PC -22	Able to maintain medical records, including in electronic form	IPC 22.1 Knows: the 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	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 telecommun	fill in medical documentati on, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommun ications network "Internet" in professional activities	own methods that allow filling out medical documentation , including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunic ations network "Internet" in professional activities

including at home when a medical worker is called IPC 22.2 Able to: fill in medical documentation, including in electronic form; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunications	ications network "Internet"; rules for issuing medical documentati on in medical organizatio ns providing medical care on an outpatient basis, including at home when a medical worker is called
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$\ensuremath{\text{4.}}$ Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1	(UC-1, 4, 5); (GPC-1, 2, 4, 5, 6, 7, 11); (PC -1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22)	Diseases of the upper respiratory tract.	Basic concepts. Classification of diseases of the upper respiratory tract. Etiology. Pathogenesis. Clinical picture. Diagnostic methods. Treatment tactics. Flu. Distinctive features of clinical manifestations of influenza and other acute respiratory viral infections (rhinovirus, adenovirus, respiratory syntial infection, parainfluenza). Highly pathogenic strains of influenza virus: A/H1N1 ("swine flu"), A/H5N1 ("bird flu"). A new coronavirus infection. Treatment.
2	(UC-1, 4, 5); (GPC-1, 2, 4, 5, 6, 7, 11); (PC -1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22)	Bronchial asthma	Bronchial asthma (Definition of bronchial asthma. Modern classification. Criteria for diagnosis, determination of severity. GCS in the treatment of asthma. Indications for the appointment of inhaled and systemic GCS in bronchial asthma. Methods of delivery of inhaled drugs. Determination of the daily dose of IGCS depending on the severity of AD. The concept of "controlled asthma". Monitoring the course of asthma. The role of peak flowmetry. Criteria for the severity of the exacerbation of AD, emergency therapy.
3	(CC-1, 4, 5); (GPC-1, 2, 4, 5, 6, 7,	Chronic obstructive bronchitis.	Chronic obstructive pulmonary disease (COPD). The concept. Classification. Diagnosis criteria. Differential diagnosis. Strategy and tactics of therapy. Differential

	11); (PC -1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22)		diagnosis of bronchoobstructive syndrome (COPD, bronchial asthma).
4	(CC-1, 4, 5); (GPC-1, 2, 4, 5, 6, 7, 11); (PC -1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22)	Interstitial lung diseases	Determination of focal and disseminated lung lesions, differential diagnostic criteria, clinical and instrumental manifestations. Features of therapy. Sarcoidosis of the respiratory organs. Idiopathic pulmonary fibrosis. Clinical and instrumental manifestations. Features of therapy.

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

The total labor intensity of the discipline is 2 credits

Type of educational work	Labor i	ntensity	Labor intensity (AH) in
	volume in	volume in	semesters
	credit	academic	12 semester
	units (CU)	hours	
		(AH)	
Classroom work, including			
Lectures (L)	0,39	14	14
Laboratory practicum (LP)*	-	-	-
Practicals (P)	0,83	30	30
Seminars (S)	-	-	-
Student's individual work (SIW)	0,78	28	28
Mid-term assessment			
credit/exam (specify the type)			credit
TOTAL LABOR INTENSITY	2	72	72

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

No	Name of the section of the		Туре	s of academ	nic work*	(in AH)	
	academic discipline	L	LP	P	S	SIW	total
1	Diseases of the upper respiratory tract	2			6	4	12
2	Bronchial asthma	2			8	8	18
3	Chronic obstructive bronchitis	4			8	8	20
4	Interstitial lung diseases	6			8	8	22
	Total	14			30	28	72

^{*} - L - lectures; LP - laboratory practicum; P - practicals; S - seminars; SIW - student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH
		12 semester

1	New in the diagnosis and treatment of diseases occurring with bronchial obstruction.	2
2	Urgent conditions in pulmonology: pulmonary embolism (PE), asthmatic status (AS), adult respiratory distress syndrome (RDSV).	2
3	Lung damage in diffuse connective tissue diseases (DBST).	2
4	Fungal lung diseases.	2
5	Pulmonary eosinophilia.	2
6	Interstitial lung diseases.	2
7	Sleep apnea syndrome.	2
	TOTAL (total - AH)	14

6.2.2. Thematic plan of practicals

No	Name of laboratory practicums	Volume in AH 12 semester
1	Diseases of the upper respiratory tract	6
2	Bronchial asthma	8
3	Chronic obstructive bronchitis	8
4	Interstitial lung diseases	8
	TOTAL (total - AH)	30

6.2.3. Types and topics of student's individual work (SIW)

No॒	Name of the topics of practicals	Volume in AH 12 semester
1	writing case histories, abstracts	6
2	preparation of reports, speeches	6
3	preparation for participation in classes in an interactive form (role- playing and business games, trainings, game design, computer simulation, discussions),	4
4	work with electronic educational resources posted on the educational portal of the Federal State Educational Institution of Higher Education "PIMU" of the Ministry of Health of the Russian Federation	6
5	work with literary and other sources of information on the section under study, including in an interactive form	6
	TOTAL (total - AH)	28

6.2.4. Student's research work:

No	The name of the topics of the student's research work	Volume in AH 12 semester
1	New medical technologies in the diagnosis and treatment of respiratory diseases	
2	Rational pharmacotherapy of respiratory pathology	
	TOTAL (total - AH)	

7. Types of assessment formats for ongoing monitoring and mid-term assessment

	Se			Nome of		Assessment formats		
№	mes ter No.	Туре	es of control	Name of section of academic discipline	Competence codes	types	number of test questions	number of test task options
					UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)
			Control of mastering the topic. Monitoring	Diseases of the upper	11 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie W	1	According to the number of students in the group
			the student's individual work	respiratory tract		Report	1	5
						Situation al tasks	1	5
					UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)
1.	12	Current	Control of mastering the topic. Monitoring the student's	Bronchial asthma	11 PC – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie w	1	According to the number of students in the group
		monito ring	individual work			Report	1	5
						Situation al tasks	1	5
					UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)
			Control of mastering the topic. Monitoring the student's	Chronic obstructive bronchitis	structive $\begin{vmatrix} PC-1, 2, 3, \\ 4.5, 6.7, 8 \end{vmatrix}$	Intervie w	1	According to the number of students in the group
			individual work			Report	1	5
						Situation al tasks	1	5
			Control of mastering the	Interstitial lung diseases	UC - 1, 4, 5 GPC - 1, 2, 4, 5, 6, 7, 10,	Test	10	Unlimited (computer testing)
			topic. Monitoring the student's individual work		11 PC - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 19, 22	Intervie w	1	According to the number of students in the group
						Report	1	5

				Situation al tasks	1	5
2.	Mid- term assess	Credit	All sections of	Control question s	3	42
	ment		the discipline	Situation al tasks	1	15

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references

Name according to bibliographic requirements	Number of copies	
	at the department	in the library
Internal diseases: textbook / Makolkin V.I.,	0	48
Ovcharenko S.I 5th ed., reprint. and additional –		
		•
	0	30
, <u>1</u>		
· ·		
1	0	51
	U	$\mathcal{J}1$
	0	71
The state of the s	Ü	, 2
•		
2006 Vol.1 and 2. – 672 p. and 592 p.		
Internal diseases: textbook / ch. ed. V.S. Moiseev,	0	51
A.I. Martynov, N.A. Mukhin; - 3rd ed., ispr M.:		
= 1		
1	_	
	0	253
= -		
<u> </u>		
· ·		
	Internal diseases: textbook / Makolkin V.I., Ovcharenko S.I 5th ed., reprint. and additional – M.: Medicine, 2011 592 p. Internal diseases: textbook / Makolkin V.I., Ovcharenko S.I., Sulimov V.A 6th ed., reprint. and additional – M.: GEOTAR-Media, 2012 768 p. Internal diseases: differential diagnosis and treatment: textbook / Bokarev I.N M.: Medical Information Agency, 2009 1004 p. Internal diseases: textbook with CD / edited by N.A. Mukhin, V.S. Moiseev and A.I. Martynov 2nd ed., ispr. and add M.: GEOTAR-Media, 2006 Vol.1 and 2 672 p. and 592 p. Internal diseases: textbook / ch. ed. V.S. Moiseev,	Internal diseases: textbook / Makolkin V.I., Ovcharenko S.I 5th ed., reprint. and additional – M.: Medicine, 2011 592 p. Internal diseases: textbook / Makolkin V.I., Ovcharenko S.I., Sulimov V.A 6th ed., reprint. and additional – M.: GEOTAR-Media, 2012 768 p. Internal diseases: differential diagnosis and treatment: textbook / Bokarev I.N M.: Medical Information Agency, 2009 1004 p. Internal diseases: textbook with CD / edited by N.A. Mukhin, V.S. Moiseev and A.I. Martynov 2nd ed., ispr. and add M.: GEOTAR-Media, 2006 Vol.1 and 2 672 p. and 592 p. Internal diseases: textbook / ch. ed. V.S. Moiseev, A.I. Martynov, N.A. Mukhin; - 3rd ed., ispr M.: GEOTAR-Media, 2013 Vol.1 and 2 960 p. and 896 p. Typical test tasks for the final state certification of graduates of higher medical educational institutions in the specialty 060101 (040100) "Medical business": in 2 parts / edited by M.A. Paltsev, V.N. Yarygin, N.D. Yushchuk, I.N. Denisov, N.N. Volodin and P.A. Dushenkov M.: Publishing house of GO VUNMC of the Ministry of Health of the Russian Federation, 2006 480

8.2. Further reading

No	Name according to bibliographic requirements	Number of copies		
		at the department	in the library	
1	Rheumatology: clinical recommendations / ed.	0	1	
	E.L. Nasonov; Publishing house of the			
	Association of Rheumatologists of Russia 2nd			

	ed., ispr. and add M.: GEOTAR-Media, 2011		
	752 p.		
2	Pulmonology. National leadership / Edited by	0	1
	A.G. Chuchalin; Ed. The organization is the		
	Russian Respiratory Society Moscow:		
	GEOTAR-Media, 2009 960 p.		
3	Acute pulmonary embolism: clinic, diagnosis,	1	5
	treatment: textbook / A. P. Medvedev, S. V.		
	Nemirova, V. V. Pichugin, L. N. Ivanov, M. L.		
	Kalinina, Nizhny Novgorod State Medical		
	Academy. – N.Novgorod: NizhGMA, 2013. – 90		
	p.		

8.3. Electronic educational resources for teaching academic subjects 8.3.1. Internal Electronic Library System of the University (IELSU)

No	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
	Internal electronic library system (WEB)	The works of the academic staff of the Academy: textbooks and manuals, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents.	located on the Internet, using an individual login and	Not limited

8.3.2. Electronic educational resources acquired by the University

Nº	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Electronic	Educational	from any computer	General
	database	literature +	located on the Internet,	
	"	additional	using an individual login and	PIM
	Student Consultant"	materials (audio,	password	subscription
		video, interactive	[Electronic resource] –	_
		materials,	Access mode:	
		test tasks) for	http://www.studmedlib.ru/	
		higher		
		medical and		
		pharmaceutical		
		education.		
		Publications are		
		structured by		
		specialties and		
		disciplines in		

accordance with the current FGOS VPO. 2 Electronic library system scientific medical library publishers, including runslations. 3 "Bibliopoisk" Integrated "single window" search service for electronic catalogs, EBS 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. 4 Domestic electronic periodicals "Periodicals ubjects and on medical periodicals ubjects and on higher school issues" Integration with the first school issues in the medium produced in the subscription editions are available for reading subscription with subscription available for reading foreign electronic libraries and databases available to the university as part of a subscription, as well as from one medical subjects and on higher school issues from the computers of the academy. The subscription editions are available for reading located on the Internet by login and password, from the computers of the academy. In the subscription editions are available for reading left produced on the Internet by login and password, from the computers of the academy. In the subscription editions are available for reading left produced on the Internet by login and password, from the computers of the academy. It is subscription editions are available for reading left produced on the Internet by login and password, from the computers of the academy. It is subscription editions are available for reading left produced on the Internet by login and password, from the computers of the academy. It is subscription editions are available for reading left produced on the libraries and the produced on the libra		T		T	T
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	for searching,		
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	bibliographic		
	information.		

8.3.3 Open access resources

	Open access resor			T
№	Name of the	electronic	Brief description (content)	Access conditions
	resource			
1	Federal		Includes electronic analogues	from any
	Electronic		of printed publications and	computer
	Medical		original electronic publications	on the network
	Library (FEMB)		that have no analogues	The Internet
			recorded on other media	
			(dissertations,	
			abstracts, books, magazines,	
			etc.).	
			[Electronic resource] – Access	
			_	
	G 1 .10		mode:http://нэб.рф/	
2	Scientific	Electronic	C	l
	Library		information portal in the field	computer
	eLIBRARY.RU		of science, technology,	on the network
			medicine and education,	The Internet
			containing	
			abstracts and full texts of	
			scientific articles and	
			publications.	
			[Electronic resource] – Access	
			mode: https://elibrary.ru/	
3			Full texts of scientific articles	from any
	Open Access	Scientific	with annotations	computer
	Electronic	Library	published in scientific journals	on the network
		•	of Russia and neighboring	The Internet
	CyberLeninka		countries. [Electronic resource]	
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			Access	
			mode:http://cyberleninka.ru/	
			mode.http://cyberlehinka.ru/	

4	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/	computer on the network The Internet
5	Legal reference system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, comments on legislation, etc. [Electronic resource] – Access mode:http://www.consultant.ru/	from any computer on the network The Internet
6	Official website Ministry of Health	National clinical guidelines from any computer, Russian Federations [Electronic resource] – Mode доступа:cr.rosminzdrav.ru - Clinical recommendations	from any computer on the network The Internet

9. Material and technical support for mastering an academic discipline

- 9.1. List of premises for classroom activities for the discipline
- Lecture hall equipped with multimedia equipment and microphone
- Offices for conducting clinical practical classes
- Multidisciplinary accreditation and Simulation Center
- Chambers of Pulmonology departments of the clinical base of the Department of Endocrinology and Internal Diseases

9.2. List of equipment for classroom activities for the discipline

- Multimedia complex
- Medical documentation: medical history, outpatient card
- Archival and educational case historie
- A set of samples of laboratory analysis results
- Album of instrumental research results.
- Tonometers.
- Phonendoscopes.
- Tables.
- Slides and multimedia presentations of lectures.
- Standardized patient
- Role-playing and business game

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

	Software	number	Type of software	Manufacture	Number in	Contract No.
Ite		of		r	the unified	and date
m		licenses			register of	
no.					Russian	
					software	

1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovic h	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 TECHNOLO GIES"	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 Subscriptio n	
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/HN100 30 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
Endocrinology and internal diseases

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