« BASICS OF TRANSPLANTOLOGY»

General Educational Program of higher education (specialist's degree programs)

31.05.01 General Medicine

Department: FACULTY OF SURGERY AND TRANSPLANTOLOGY

1. The purpose of mastering the discipline: participation in the formation of competencies - UC-1, UC-2, UC-3, UC-9, PC-1, PC-2, PC-4, PC-5, PC-6, PC-7, PC-8, PC-14

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

2.1. The discipline refers to the core part of Block 1 of GEP HE

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

<u>r</u> -				As a result	of mastering	the discipline,
		The content of the	Code and name of		e students sho	-
	Competen					
N⁰	ce code	competence (or its	the competence			
		part)	acquisition metric	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	IUC 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	methods of critical analysis and evaluation of modern scientific achievement s; basic principles of critical analysis	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, outper field	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
			experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems		experiment and experience	
2.	UC-2	Able to manage the project at all stages of its life cycle	IUC 2.1 Knows: methods of presenting and describing the results of project activities; methods, evaluation and evaluation of the results of the project;	methods for presenting and describing the results of project activities; methods,	prove practical and theoretical significance of the results obtained; check and analyze the	Has practical experience in: project management in the field relevant to professional activity;

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	consideration of the	criteria and	design	distribution of
	issue of forming a	parameters	documentati	tasks and
	project within the	for	on; predict	encouraging
	framework of the	evaluating	the	others to
	problem under	the results of	development	achieve goals;
	consideration; basic	project	of processes	management
	requirements for project	implementati	in the project	development of
	work and evaluation	on;	professional	technical
	criteria	principles,	field; put	specifications
	consideration of the	methods and	forward	of the project,
	project within the		innovative	management
	framework of the	requirements	ideas and	implementation
	designated problem,	for the	non-standard	of profile
	formulation of the goal,	project work	approaches	project work;
	objectives, relevance,		to their	participation in
	perception (scientific,		implementati	the
	practical,		on in order	development
	methodological		to implement	technical
	skills in drawing up		the	specifications
	plans and schedules for		project;	of the project
	the implementation of		calculate	and the project
	the project as a whole		qualitative	implementation
	plan and monitoring its		and	program in the
	implementation;		quantitative	professional
	qualities of a		results,	field
	constructive		deadlines of	
	overcoming speed		project work	
	rationale, methods and		execution	
	requirements for project			
	work			
	IUC 2.2 Able to:			
	substantiate the			
	practical and theoretical			
	significance of the			
	results obtained; check			
	and analyze project documentation; predict			
	the development of			
	processes in the design			
	professional area; put			
	forward innovative			
	ideas and non-standard			
	approaches to their			
	implementation in order			
	to implement the			
	project; calculate the			
	qualitative and			
	quantitative results, the			
	timing of the project			
	work			
	IUC 2.3 Has practical			
	experience in: project			
	management in the			
	field, consistent with			
	her professional			
	activities; distributing			
	tasks and encouraging			
	others to achieve goals;			
	managing the			
	development of the			
	technical specifications			
	of the project,			
	managing the			

		Γ				
			implementation of core			
			design work. Has			
			experience of			
			participating in the			
			development of project			
			specifications and			
			programs			
			results of project			
			activities.			
			and others depending			
			on the type of project),			
			expected results and			
			possible areas of their			
			application; be able to			
			see the image of the			
			result of the activity and			
			plan the follower!!			
			number of steps to			
			achieve this result;			
			predict problem			
			situations and risks in			
			project activities.			
			disagreements and			
			conflicts.			
			project implementation			
			in the professional field	.1 11	1	TT
3.	UC-3	Able to organize	IUC 3.1 Knows:	the problems	determine	Has practical
		and manage the	problems of selection of	of selecting	the	experience in:
		work of the team,	an effective team; basic	an effective	management	participation in
			conditions for effective	team; basic	style for the	the
		developing a team	teamwork; fundamentals of	conditions	effective	development of
		strategy to achieve		for effective	team work;	a team work
		the goal	strategic human	teamwork;	develop a	strategy;
		_	resource management, normative legal acts	the basics of	team	participation in
			concerning the	strategic	strategy;	teamwork, role
			organization and	human	apply the	distribution in
			implementation of	resource	principles	the team
			professional activities;	management,	and methods	interaction
			models of	regulatory	of organizing	
			organizational behavior,	legal acts	team	
			factors in the formation	concerning	activities	
			of organizational	the		
			relations, strategies and	organization		
			principles of teamwork,	and		
			the main characteristics	implementati		
			of the organizational	on of		
			climate and the	professional		
			interaction of people in	activities;		
			the organization	organization		
			IUC 3.2 Able to:	al behavior		
			determine the	models,		
			management style for	factors of		
			effective team work;	formation of		
			develop a team			
			strategy; apply the	organization		
			principles and methods	al		
			of organizing team	relationships;		
			activities	strategies		
1			IUC 3.3 Has practical	and		
			experience:	principles of		
			experience: participation in the	principles of teamwork,		

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			development of a team	the main		
			work strategy;	characteristic		
			participation in team	s of the		
			work, distribution of	organization		
			roles in the conditions	al climate		
			of team interaction	and		
				interaction of		
				people in the		
	IIG A			organization	4 1	TT 1
4.	UC-9	Able to use basic	IUC 9.1 Knows: the basics of defectology	the basics of	the basics of	Has practical
		defectological	IUC 9.2 Able to:	defectology	defectology	experience in:
		knowledge in social	establish effective			medical, social
		and professional	communication and			and
		spheres	create a tolerant			organizational
		spheres	environment when			support of
			working with people			people with
			with disabilities and			disabilities
			people with disabilities			when they
			IUC 9.3 Имеет			receive medical
			практический опыт:			care
			медико- социалыюй и			
			организационн ой			
			поддержки			
			(сопровождени я) лиц			
			с ограниченными			
			возможностями			
			здоровья и инвалидов			
			при получении ими			
			MATHUHARON TOMOUH			
			медицинской помощи			
5.	PC-1	Able to assess the	IPC 1.1 Knows:	etiology,	identify	assessment of
5.	PC-1	Able to assess the condition of a	IPC 1.1 Knows: etiology, pathogenesis	pathogenesis	clinical signs	the patient's
5.	PC-1	condition of a	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology,	pathogenesis and	clinical signs of conditions	the patient's condition
5.	PC-1	condition of a patient requiring	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture,	pathogenesis and pathomorpho	clinical signs of conditions requiring	the patient's condition requiring
5.	PC-1	condition of a patient requiring medical treatment	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis,	pathogenesis and pathomorpho logy, clinical	clinical signs of conditions requiring medical	the patient's condition requiring medical care in
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture,	pathogenesis and pathomorpho logy, clinical aspect,	clinical signs of conditions requiring medical treatment in	the patient's condition requiring medical care in emergency or
5.	PC-1	condition of a patient requiring medical treatment	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features,	pathogenesis and pathomorpho logy, clinical aspect, differential	clinical signs of conditions requiring medical treatment in the	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs;	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis,	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical	clinical signs of conditions requiring medical treatment in the	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features,	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
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5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
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5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms IPC 1.2 Able to:	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms IPC 1.2 Able to: identify clinical signs of	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms IPC 1.2 Able to: identify clinical signs of conditions requiring	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation,	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency
5.	PC-1	condition of a patient requiring medical treatment in the emergency	IPC 1.1 Knows: etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for assessing the condition, the main medical indications for conducting research and interpreting the results in patients requiring medical care in emergency forms IPC 1.2 Able to: identify clinical signs of	pathogenesis and pathomorpho logy, clinical aspect, differential diagnosis, clinical features, complication s and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, percussion,	clinical signs of conditions requiring medical treatment in the emergency	the patient's condition requiring medical care in emergency or emergency

			IPC 1.3 has methods for	laboratory		
			assessing the condition	and		
			of a patient requiring	instrumental		
			medical care in	research		
			emergency or	methods for		
			emergency forms	assessing the condition,		
				the main		
				medical		
				indications		
				for		
				conducting		
				research and		
				interpreting		
				the results of patients		
				requiring		
				medical care		
				in the		
				emergency		
				form		
6.	PC-2	Able to recognize	IPC 2.1Knows:	etiology,	identify	provision of
		conditions arising	etiology, pathogenesis and pathomorphology,	pathogenesis and	clinical signs of conditions	emergency medical care to
		from sudden acute	clinical picture,	pathomorpho	requiring	patients with
		diseases,	differential diagnosis,	logy, clinical	emergency	sudden acute
		exacerbation of	course features,	picture,	medical care;	diseases,
		chronic diseases	complications and outcomes of diseases of	differential	identify	conditions,
		without obvious	internal organs;	diagnosis,	conditions	exacerbation of
		signs of a threat to	methodology for	features of	requiring	chronic diseases
		the patient's life and	collecting complaints	the course, complication	emergency medical care,	without obvious signs of a threat
		requiring urgent	and anamnesis from	s and	including	to the patient's
		medical care,	patients (their legal representatives);	outcomes of	clinical signs	life; state
		recognize	method of physical	diseases of	of sudden	recognition.
		conditions that pose	examination of patients	internal	cessation of	posing a threat
		a threat to the	(examination,	organs;	blood	to the life of the
			palpation, percussion,	methods of	circulation	patient,
		patient's life	auscultation): a list of laboratory and	collecting	and	including conditions of
		including	instrumental research	complaints and	respiration	conditions of clinical death
		conditions of	methods for assessing	anamnesis in		(stopping the
		clinical death	the patient's condition,	patients		vital functions
		(stopping vital	the main medical indications for	(their legal		of the human
		functions of the	conducting research and	representativ		body (blood
		human body (blood	interpreting the results:	es); methods		circulation and /
		circulation and/or	clinical signs of a	of physical		or respiration),
		respiration),	sudden cessation of	examination of potionts		requiring
		requiring the	blood circulation and /	of patients (examination		emergency medical care;
		provision of	or breathing IPC 2.2 Able to:	, palpation,		providing
		emergency medical	identify clinical signs of	percussion,		emergency
		care	conditions requiring	auscultation)		medical care to
			emergency medical	; a list of		patients in
			care; identify conditions requiring emergency	methods of		conditions that
			medical care, including	laboratory		pose a threat to
			clinical signs of sudden	and instrumental		the patient's life, including
			cessation of blood	investigation		clinical death
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			circulation and breathing	s to assess the patient's condition, the main medical indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration		(stoppage of vital functions of the human body (blood circulation and/or respiration)
7.	PC-4	Able to use medicines and medical devices for providing medical care in emergency forms	IPC 4.1 Knows: basic cardiopulmonary resuscitation rules; principles of operation of devices for external electropulse therapy (defibrillation); rules for performing external electropulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration IPC 4.2 Able to: perform measures to provide medical care in urgent and emergency forms; basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)	respiration modern methods of using medicines, medical devices for diseases and conditions in accordance with the current procedures for providing medical care, clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical care in dical care in dical devices, medical indications and contraindicat ions to their	prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommenda tions (treatment protocols) on the medical care delivery in emergency or urgent forms	provision of emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping vital functions of the human body (blood circulation and/or respiration)

				use;		
				complication		
				s caused by		
				their use;		
				principles of operation of		
				devices for		
				external		
				electric pulse		
				therapy		
				(defibrillatio		
				n); rules for		
				performing		
				external		
				electric pulse		
				therapy (defibrillatio		
1				n) in case of		
1				sudden		
1				cessation of		
1				blood		
1				circulation		
				and / or		
				respiration	11 (
8.	PC-5	Able to collect	IPC 5.1 Knows: Legislation of the	the logislation of	collect	collection of
		complaints,	Russian Federation in	legislation of the Russian	complaints, anamnesis of	complaints, anamnesis of
		anamnesis of the	the field of health care,	Federation in	life and	life and disease
		patient's life and	regulatory legal acts	the field of	disease of	of the patient; a
		illness, conduct a	and other documents	health care,	the patient	complete
		complete physical	that determine the	regulations	and analyze	physical
		examination of the	activities of medical organizations and	and other	the	examination of
		patient	medical workers;	documents	information	the patient
		(examination,	method of collecting	that	received;	(examination,
		palpation,	complaints, anamnesis	determine	conduct a	palpation,
		percussion,	of life and disease of	the activities of medical	complete physical	percussion, auscultation);
		auscultation),	the patient; a technique for a complete physical	organizations	examination	formulating a
		formulate a	examination of the	and	of the patient	preliminary
1		preliminary	patient (examination,	healthcare	(examination	diagnosis and
		diagnosis and draw	palpation, percussion,	workers;	, palpation,	drawing up a
		up a plan for	auscultation); etiology,	method of	percussion,	plan for
		laboratory and	pathogenesis and pathomorphology,	collecting	auscultation)	laboratory and
		instrumental	clinical picture,	complaints, anamnesis of	and interpret	instrumental
		examinations of the	differential diagnosis,	anamnesis of life and	its results; determine	examinations of the patient
		patient	course features,	disease of	the sequence	and patient
			complications and	the patient; a	of volume,	
			outcomes of diseases of	technique for	content and	
			internal organs; regularity and	a complete	sequence of	
			functioning of a healthy	physical	diagnostic	
			human body and	examination	measures	
1			mechanisms for	of the patient	incl. modern	
			ensuring health from	(examination	digital	
			the standpoint of the theory of functional	, palpation,	technologies	
			systems; features of the	percussion, auscultation)		
			regulation of the	; etiology,		
			functional systems of	pathogenesis		
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			the human body in pathological processes;	and		
			methods of laboratory	pathomorpho		
			and instrumental studies	logy, clinical aspect,		
			for assessing the state	differential		
			of health, medical	diagnosis,		
			indications for research,	clinical		
			rules for interpreting	features,		
			their results	complication		
			IPC 5.2 Able to: collect	s and		
			complaints, anamnesis	outcomes of		
			of life and disease of	diseases of		
			the patient and analyze the information	internal		
			received; conduct a	organs;		
			complete physical	patterns of		
			examination of the	functioning		
			patient (examination,	of a healthy		
			palpation, percussion,	human body		
			auscultation) and	and		
			interpret its results;	mechanisms		
			determine the sequence	for ensuring		
			of volume, content and	health from		
			sequence of diagnostic	the		
			measures	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		
				examinations		
				for assessing		
				the state of		
				health,		
				medical indications		
				for		
				conducting		
				investigation s, rules for		
				interpreting		
				their results		
0	PC-6	Able to send a	IPC 6.1 Knows: general	general	justify the	referral of a
9.	rU-0		issues of organizing	issues of	need and	patient for
		patient to	medical care for the	organizing	scope of	laboratory
		laboratory,	population, methods of	medical care	laboratory	examination if
		instrumental	laboratory and	for the	examination	there is a
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the instrumental their results; interpret the				the instrumental	their results;	interpret the	

11. PC-8		examination of the patient; interpret data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	ICD	data obtained during consultations of the patient by medical specialists; to carry out differential diagnostics of diseases of internal organs from other diseases	development of
	Able to: develop a treatment plan for a disease or condition and prescribe medicine, medical devices, therapeutic nutrition and non- drug treatment taking into account the diagnosis, age and clinical picture in accordance with current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care and to evaluate the effectiveness and safety of the use of medicines, medical devices, therapeutic nutrition and other methods of treatment	rec s.1 knows, modern methods of using medicines, medical devices and clinical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; mechanism of action of drugs medical products and medical nutrition, medical indications and contraindications to their use; complications caused by their use; modern methods of non-drug treatment of diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical guidelines(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 to its appointment; side effects, complications caused by its use IPC 8.2 Able to: draw up a treatment plan for	methods of using medicines, medical devices and therapeutic nutrition in diseases and conditions of the patient in accordance with the current procedures for medical care, clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care; the mechanism of action of medicines, medical devices and therapeutic nutrition, medical indications and contraindicat ions to their use; complication s caused by their use; modern	draw up a treatment plan for the disease and the patient's condition taking into account the diagnosis, the patient's age, the clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medications, medical devices and therapeutic nutrition taking into account the diagnosis, age and clinical picture of the disease in	development of a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care: prescribing drugs, medical devices and clinical nutrition considering the diagnosis, age and clinical presentation of the disease and in accordance with the current procedures for the provision of medical care. clinical guidelines and (treatment procedures for the provision of medical care. clinical guidelines and (treatment protocols) on the provision of medical care,

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		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 guidelines and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe medicines, medical devices and therapeutic 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, taking into account the standards of medical care; prescribe medicines, medical devices and therapeutic 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, taking into account the standards of medical care; prescribe non- pharmacological 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 guidelines and (treatment protocols) on the provision of medical care, clinical guidelines and (treatment protocols) on the provision of medical care, taking	methods of non-drug treatment of diseases and conditions of the patient in accordance with current medical care procedures, clinical recommenda tions (treatment protocols) on the provision of medical care taking into account the standards of medical care; action mechanism of non-drug treatment; medical indications and contraindicat ions to its prescription; side effects, complication s caused by its use	accordance with the current medical care procedures, clinical recommenda tions (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 medical care procedures, clinical recommenda tions (treatment protocols) on issues related to the provision of medical care taking into account the standards of	taking into account the standards of care: prescribing 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 recommendatio ns and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; assessment of the effectiveness and safety of the use of medical devices, clinical nutrition and other methods of treatment
12. PC-14	Able to assess the effectiveness and	age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines and (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	measures for the medical	(treatment protocols) on issues related to 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 therapeutic nutrition monitor the implementati	devices, clinical nutrition and other methods of treatment implementation of measures for
	effectiveness and safety of medical rehabilitation	medical rehabilitation of the patient, medical indications and	rehabilitation of the patient,	on and evaluate the effectiveness	the medical rehabilitation of the patient,

pa acu cu for me cli rec (tr pro pro ca acu sta	easures of the atient in coordance with the arrent procedures or providing edical care, inical commendations reatment rotocols) on the roviding medical are taking into count the andards of edical care	contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations and (treatment protocols) on the provision of medical care, taking into account the standards of medical care; medical contraindications to the appointment of sanatorium-resort treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients IPC 14.2 Can: monitor the implementation and evaluate the effectiveness and safety of rehabilitation	medical indications and contraindicat ions for their implementati on taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical care; medical	and safety of rehabilitation measures, including when implementin g an individual rehabilitation program or habilitation of disabled people taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommenda tions (treatment protocols) on the medical care delivery taking into	including the implementation of an individual rehabilitation or habilitation program for disabled people, in accordance with the current procedures for the provision of medical care, clinical recommendatio ns and (treatment protocols) on the provision of medical care, taking into account the standards of medical care
		appointment of	medical care,	accordance	protocols) on
	edical care	sanatorium-resort treatment as a stage of the patient's medical rehabilitation; features of medical rehabilitation of elderly and senile patients IPC 14.2 Can: monitor the implementation and evaluate the effectiveness and safety of rehabilitation measures, including the implementation of an individual rehabilitation or habilitation program for people with disabilities, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical guidelines and	clinical recommenda tions (treatment protocols) on the provision of medical care, taking into account the standards of medical	with the current procedures for medical care, clinical recommenda tions (treatment protocols) on the medical care delivery	the provision of medical care, taking into account the standards of
		(treatment protocols) on the provision of medical care, taking into account the	features of medical rehabilitation		
		standards of medical care	of elderly and senile patients		

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

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			lesters
	volume in	volume in				
	credit units	academic				
	(CU)	hours (AH)	11			
Classroom work, including						
Lectures (L)	0,4	4	4			
Laboratory practicum (LP)*						
Practicals (P)	0,5	18	18			

Seminars (S)					
Student's individual work (SIW)	0,4	14	14		
Mid-term assessment					
credit/exam (specify the type)					
TOTAL LABOR INTENSITY	1	36	36		

5. Sections of the academic discipline and competencies that are formed

-	5. Sections of the academic discipline and competencies that are formed					
N⁰	Competence code	Section name of the discipline				
1.	UC- 1,2,3,9 GPC- 1,4,5,7 PC-1,2,4, 5,6,7,8,14	Introduction to the subject. History of transplantation. Legal framework and organization of transplant care. Organ donation.				
2.	UC- 1,2,3,9 GPC- 1,4,5,7 PC-1,2,4, 5,6,7,8,14	Liver transplant. Kidney transplant. Basic concepts and schemes of immunosuppressive therapy.				
3.	UC- 1,2,3,9 GPC- 1,4,5,7 PC-1,2,4, 5,6,7,8,14	Transplantation of the pancreas, heart, lungs. Cell technologies and perspectives of transplantation				