SYLLABUS IШКІ АУРУЛАР ВНУТРЕННИЕ БОЛЕЗНИ INTERNAL MEDICINE

1.	General information about the discipline		
1.1	Faculty/School:	1.6	Credits (ECTS):
	Medicine and Healthcare Department of Internal Medicine		10 credits-300 hours, of which 150 are contact hours (practical training)
1.2	Educational program (EP): 6B10103 ЖАЛПЫ МЕДИЦИНА 6B10103 ОБЩАЯ МЕДИЦИНА	1.7	SIW/SPM/SRD (qty): 100 hours
	6B10103 GENERAL MEDICINE		
1.3	Agency and year of accreditation of the EP IAAR 2021	1.8	SRSP/SRMP/SRDP (number): 50 hours
1.4	Name of discipline: Ішкі аурулар/Внутренние болезни/Internal medicine	1.9	Prerequisites:1. Жалпы патология/Общая патология/General pathology2. Науқас және дәрігер/Пациент и врач/Patient and doctor3. Жүйе мүшелердің патологиясы/Патология органовсистем/Pathology of organs and systemsPostrequisites:1.Жедел медициналық көмек және қарқынды терапия (мамандықпрактикасымен итегрирленген)/Экстренная медицина иинтенсивная терапия (с интегрированнойпрофпрактикой)/Emergency Medicine and Critical (Intensive) Care(theoretical training and professional practice)2.Маманды дамыту модулі (мамандық практикасыменитегрирленген)/Модуль профессионального развития(с интегрированной профпрактикой)/ Professional Development(theoretical training and professional practice)

1.5	Discipline ID: 94353		1.10	Required - yes
	Discipline code: VB4314			
2.	Description of the discipline			
	During the course to form students' abilities:			
				ith the most common somatic diseases in their typical manifestation and
				e, using the skills of effective professional communication, interpretation
		ument	al resea	rch methods and the application of basic medical therapeutic, diagnostic
	and preventive measures			
3	Purpose of the discipline			
				eases in their typical manifestation and course and in the age aspect, based
				nal communication, interpretation of clinical symptoms and syndromes,
data	from laboratory and instrumental research methods and the application	ation o	of basic	medical diagnostic and preventive measures
4.	Learning outcomes (LO) by discipline (3-5)			
	LO disciplines			cording to the educational program,
				which the LO is associated by discipline
		1	(LON	o. from the EP passport)
1	To identify and interpret clinical symptoms and syndromes, data	Pro	1.	To apply detailed knowledge of the typical structure and functions of the
	from laboratory and visual examination methods in patients with	fici		body at the level from molecules to cells of organs and the whole
	the most common somatic diseases in their typical manifestation	enc	•	sm; apply knowledge of the main pathological processes and biological
	and course, taking into account age-related aspects.	у	damag	ge that they cause.
		lev		
		el		
2	Possess the skills of basic medical diagnostic and preventive	Pro	2.	Collect information from patients and other sources related to the
	measures to provide medical care to the population with diseases	fici	0	osis, treatment and prevention of common and emergency conditions,
	of internal organs.	enc	includ	ing the performance of diagnostic procedures.
		у		
		lev		
		el		
3	Possess the initial skills of maintaining current accounting and	Pro	3.	Identify and interpret the clinical symptoms and syndromes, the data of
	reporting medical documentation, including in information	fici		tory and instrumental methods of research of patients with the most
	systems.	enc		on diseases in their typical manifestation and course in the age aspect;
		у	interp	ret, analyze, evaluate, and prioritize relevant data for developing a plan
		lev		
		el		

			for diagnosing and managing a disease, including initiating appropriate interventions.
4	Integrates knowledge and skills to ensure an individual approach in the treatment of a particular patient; teach to make professional decisions based on the analysis of the rationality of diagnosis and the principles of evidence-based medicine.	Pro fici enc y lev el	4. Integrate clinical skills and knowledge to provide individualized approach in the treatment of a specific patient, and the strengthening of health in accordance with its needs; make professional decisions based on the analysis of the rationality of diagnosis and applying the principles of evidence-based and personalized medicine.
5	Uses communication skills, teamwork skills, organization and management of the diagnostic and treatment process.	Pro fici enc y lev el	5. Apply knowledge of the basic principles of human behavior for effective communication and therapeutic and diagnostic process in compliance with the principles of ethics and deontology; apply knowledge of the psychology of the patient, taking into account cultural characteristics and race; demonstrate skills in teamwork, organization and management of the diagnostic and therapeutic process; effectively build dynamic relationships between doctor and patient, which occur before, during and after medical treatment; effectively communicate medical information verbally and in writing to provide safe and effective care for patients; work effectively in an interprofessional / multidisciplinary team with other health care professionals;
6	Apply knowledge of the principles and methods of forming a healthy lifestyle of a person and family.	Pro fici enc y lev el	6. To provide medical care for the most common diseases in patients of all age groups, in urgent and life-threatening conditions;
7	Demonstrate and use commitment to professional values such as altruism, compassion, empathy, responsibility, honesty and respect for the principles of confidentiality.	Pro fici enc y lev el	7. To apply knowledge of the rights, duties and ways of protecting the rights of the physician and the patient, including the child as a patient, in their professional activities; apply medical knowledge, clinical skills and professional attitude to the patient regardless of his age, culture, faith, traditions, nationality, lifestyle.

8	Demonstrate and use the abilities and needs for continuous professional training and improvement of their knowledge and skills of professional activity.	Pro fici enc y lev el	docun	alyze and maintain the necessary documentation and organization of nents in health care organizations; the use of modern information and l technology, and health information systems for professional applications
9	Demonstrate and use commitment to the highest standards of professional responsibility and honesty; -observe ethical principles in all professional interactions;	Pro fici enc y lev el	and f	bly knowledge of the principles and methods of formation a healthy human amily life, population health; apply knowledge of a set factors that nine health and disease for the purpose of prevention
10	Demonstrate the skills of conducting scientific research, the Pro esire for new knowledge and the transfer of knowledge to fici thers. Participate in scientific conferences, write scientific enc rticles y lev el		10. Demonstrate commitment to the highest standards of professional responsibility and honesty; observe ethical principles in all professional interactions with patients, families, colleagues and society as a whole, regardless of ethnic characteristics, culture, gender, economic status or sexual orientation;	
11	-	•		
12				
5. 5.1	Summative assessment methods (mark (yes – no) / specify your	r own)	: 5.5	Scientific project SSRW (student's scientific research work)
5.2	MCQ testing for understanding and application Practical skills – Miniclinical exam (MiniCex)		5.6	360 score - behavior and professionalism
5.3	3. SIW- creative task		5.7	Midterm control: Stage 1 - MCQ testing for understanding and application Stage 2 – passing practical skills (miniclinical exam (MiniCex)
5.4	Medical history		5.8	Exam: Stage 1 - Testing on MCQ for understanding and application Stage 2 - OSCE with NP

6.	Detailed info	ormation about 1	the discipline			
6.1	Academic ye 2024-2025	ar:	6.3	Timetable (сабақ күні, уа From 8.00 to14.00	қыт):	
6.2	Semester:					
0.2	8 semester		0.4		ce platfor	rm and link to the DOT learning meeting):
	o semester			City Clinical Hospital №1.	· •	e e,
7.	Discipline le	ader		City Chilled Hospital 321	, eny em	
		Full name	Department	Contact information	C	Consultations before exams
1 001	Position Full name		2	(tel., e-mail)		
Seni	or lecturer	Bugibaeva	Internal	8-702-447-46-31	E	Before the examination session within 60 minutes
		A.B.	Medicine			
8.	The content	of the discipline		L		
	Name of the	discipline			Quantit	Conducting form
		-			y of	
					hours	
1.	Bronchitis. A	RVI. Influenza. V	Viral pneumonia	and ARDS	7	Formative assessment:
						1. Using active learning methods: TBL
						2. Working with a patient for at least 20% of the study time
						3. Training in the simulation center
						4. Mini-conference of the ISW topics
2.	Community-	acquired pneun	nonia. Compli	ications of pneumonia.	7	Formative assessment:
	Suppurative	lung diseases. S	Sepsis. DIC syı	ndrome. Hospital-acquired		1. Using active learning methods: TBL
	pneumonia a	nd pneumonia in	immunocompro	mised individuals		2. Working with a patient for at least 20% of the study time
						3. Training in the simulation center
						4. Mini-conference of the ISW topics
3.	Bronchial as	thma. Complicati	ions and emerge	encies in bronchial asthma.	7	Formative assessment:
	Anaphylaxis	anaphylactic sho	ock			1. Using active learning methods: TBL
						2. Working with a patient for at least 20% of the study time
						3. Training in the simulation center
						4. Mini-conference of the ISW topics
4.	COPD				7	Formative assessment:
						1. Using active learning methods: TBL
						2. Working with a patient for at least 20% of the study time
						3. Training in the simulation center

			4. Mini-conference of the ISW topics
5.	Respiratory failure. Disseminated lung diseases. Acute and chronic cor	7	Formative assessment:
	pulmonale		1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
			4. Mini-conference of the ISW topics
6.	Ischemic heart disease. Stable exertional angina. CHD treatment. Chronic	8	Formative assessment:
	heart failure		1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
			4. Mini-conference of the ISW topics
7.	Acute coronary syndrome (ACS). Myocardial infarction. Complications	8	Formative assessment:
	of myocardial infarction Acute heart failure		1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
			4. Mini-conference of the ISW topics
8.	Arterial hypertension. Arrhythmias	8	Formative assessment:
			1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
			4. Mini-conference of the ISW topics
9.	Myocarditis. Cardiomyopathy. Pericarditis	8	Formative assessment:
			1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
10		0	4. Mini-conference of the ISW topics
10.	Acute rheumatic fever and chronic rheumatic heart disease. Infective	8	Formative assessment:
	endocarditis		1. Using active learning methods: TBL
			2. Working with a patient for at least 20% of the study time
			3. Training in the simulation center
			4. Mini-conference of the ISW topics

Mid	term control 1	Summative evaluation: 2 stages: 1-stage – MCQ testing for understanding and applicati 2-stage – mini clinical exam (MiniCex) - 60%	on - 40%	6
11.	Rheumatoid arth	nritis	8	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
12.	Medical tactics i	n monoarticular and polyarticular lesions	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
13.	Seronegative spo	ondyloarthropathies	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
14.	Systemic connec	etive tissue diseases	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
15.	Systemic vasculi	itis	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
16.		esophagus. Chronic gastritis, duodenitis. Peptic ulcer of duodenum. Anemia. IDA, B-12 - deficiency anemia	8	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics

17. 18.	Cholesterosis, chronic cholecystitis, cholelithiasis. Chronic pancreatitis Nonspecific ulcerative colitis. Crohn's disease	7 7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics Formative assessment: 1. Using active learning methods: TBL
			 Using active learning methods: TBL Working with a patient for at least 20% of the study time Training in the simulation center Mini-conference of the IWS topics
19.	Viral hepatitis. Diagnostics and clinical manifestations, antiviral therapy. Hypoplastic and hemolytic anemias. Thrombocytopenia	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
20.	Liver cirrhosis. Complications of liver cirrhosis. Gastrointestinal tumors	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
21.	Diabetes mellitus. Emergencies in diabetes mellitus. Obesity and metabolic syndrome	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
22.	Diseases of the thyroid and parathyroid glands	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
23.	Diseases of the hypothalamic-pituitary system and adrenal glands	7	Formative assessment:1. Using active learning methods: TBL2. Working with a patient for at least 20% of the study time3. Training in the simulation center

				4. Mini-conference of the IWS topics
24.	Major syndromes i	n kidney disease, urinary tract infection	7	Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
25.	Glomerular disease	28	7	 Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
26.	26. Acute kidney injury		7	Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
27.	Chronic kidney dis	ease	7	Formative assessment: 1. Using active learning methods: TBL 2. Working with a patient for at least 20% of the study time 3. Training in the simulation center 4. Mini-conference of the IWS topics
Mid	term control 2	Summative evaluation: Formative assessment: 1. Using active learning methods: TBL, CBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics 2 stages: 1-stage – MCQ testing for understanding and ap 2-stage – mini clinical exam (MiniCex) - 60%	pplication - 4	
Final control (Exam)		Summative evaluation: 2 stages: 1-stage – MCQ testing for understanding and ap 2- stage – OSCE with NP - 60%	pplication - 4	0%

Tota	l	100				
9.	Methods of teaching in th	ie discipline				
		aches to teaching and learning that will be used in teaching)				
		Using active learning methods: TBL, CBL				
1		Methods of formative assessment:				
	TBL – Team Based Learning					
	CBL – Case Based Learnir					
2	Summative assessment m					
	1. MCQ testing for underst					
	01	miniclinical exam (MiniCex)				
	3. SIW - creative task					
	4. Medical history					
	1 5	(student's scientific research work)				
10	6. 360 score - behavior and professionalism					
10.	Summative assessment					
<u>№</u>	Forms of control	General % from total %				
1	Patient history defence	30% (estimated by the checklist)				
5	Border control					
		(1-stage – MCQ testing for understanding and application - 40%;				
	Border control 1	2- stage – mini clinical exam (MiniCex) - 60%) 30% +70% = 100%				
1						
1	Patient history defence	20% (estimated by the checklist)				
2	360 score - behavior and professionalism	10% (estimated by the checklist)				
3	1	10%				
3	Scientific project SSRW (student's scientific					
	research work)					
5	Border control	60%				
5	Border control	(1-stage – MCQ testing for understanding and application - 40%;				
		2- stage – mini clinical exam (MiniCex) - 60%)				
Borg	ler control 2	20+10+10+60 = 100%				
9	Exam	2 stages:				
		1 st stage - testing on MCQ for understanding and application - 40%				
		2nd stage - OSCE with NP - 60%				
L						

10	Final s	core:	ORD 60% + E	xam 40%			
10.	Score						
	ng by	Digital	Points	Assessment Description			
lette syste		equivalent	(% content)	(changes should be made only at the level of the decision of the Academic Committee o quality of the faculty)	n the		
A		4,0	95-100	Excellent. Exceeds the highest job standards.			
A-		3,67	90-94	Excellent. Meets the highest job standards.			
B+		3,33	85-89	Good. Very good. Meets high job standards.			
В		3,0	80-84	Good. Meets most of the job standards.			
B-		2,67	75-79	Good. More than enough. Shows some reasonable ownership of the material.			
C+		2,33	70-74	Good. Acceptable.			
				Meets the basic standards of the task.			
		65-69	Satisfactory. Acceptable. Meets some basic job standards.	tisfactory. Acceptable. Meets some basic job standards.			
C-		1,67	60-64	Satisfactory. Acceptable. Meets some basic job standards.			
D+		1,33	55-59	Satisfactory.			
				Minimally acceptable.			
D		1,0	50-54	Satisfactory.			
				Minimally acceptable. The lowest level of knowledge and completion of the task.			
FX		0,5	25-49	Unsatisfactory.			
				Minimally acceptable.			
F		0	0-24		Unsatisfactory.		
				Very low productivity.			
11.		tional resources	s (use the full link a	nd specify where you can access the texts/materials)			
Liter	rature			Main			
				Available in the library			
					Yea		
					r of		
		Author		Name of the book, publisher	publ		
				i i i i i i i i i i i i i i i i i i i	icati		
					on		

Курманова, Гаухар Медеубаевна	Курманова, Гаухар Медеубаевна. ОРВИ и грипп : учеб. пособие / Г. М. Курманова, К. Б. Курманова, 2019 73, [1] с Текст : непосредственный.	2019
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Стрюк, Р. И.	Стрюк, Р. И. Внутренние болезни [Текст] : в 3 ч. : учебник. Ч. 3, 2017 240 с Текст : непосредственный.	2017
	Клинические протоколы диагностики и лечения болезней органов пищеварения, одобренные в Республике Казахстан : протокол / Каз. Ассоциация КАИП по изучению печени, Каз. науч. общество по изучению заболеваний кишечника, 2017 293 с Текст : непосредственный.	2017
Н. Ж. Орманов, А. Қ. Қоңырбасов, Т. Н. Орманов	Кардиологиялық фармакотерапия : оқулық / [Н. Ж. Орманов, А. Қ. Қоңырбасов, Т. Н. Орманов және т.б.], 2017 221 б Текст : непосредственный.	2017
Иванова, Райфа Латыфовна	Иванова, Райфа Латыфовна. Жалпы дәрігерлік тәжірибе жағдайындағы буындық синдром : оқу құралы / Р. Ф. Иванова, 2018 71, [1] б Текст : непосредственный.	2018
Н. Ж. Орманов, З. С. Қорғанбаева, Л. Н. Орманова	Гематологиялық фармакотерапия : окулық / [Н. Ж. Орманов, З. С. Қорғанбаева, Л. Н. Орманова және т.б.], 2017 173 б Текст : непосредственный.	2018
Н. Ж. Орманов, Т. Н. Орманов, У. Ж. Садырханова	Бүйрек ауруларының фармакотерапиясы : оқулық / [Н. Ж. Орманов, Т. Н. Орманов, У. Ж. Садырханова, және т.б.], 2017 163 б Текст : непосредственный.	2017
С. А. Байдурин	Байдурин, Серік Амангелдіұлы. Ішкі аурулардың диагностикалық критерийлері және диагноз қою әдістемесі : оқу құралы / С. А. Байдурин, 2016 251 б Текст : непосредственный.	2016

С. А. Байдурин	Байдурин, Серик Амангельдинович. Принципы диагностики заболеваний внутренних органов : учеб. пособие / С. А. Байдурин, Ф. К. Бекенова, 2015 207 с Текст : непосредственный.	2015
Р. С. Досмағамбетова	Ішкі аурулар : оқулық : 2 томдық / жалпы ред. басқ. Р. С. Досмағамбетова ; жауапты ред. Л. Г. Тургунова ; ред. басқ.: В. С. Моисеев [және т.б.] ; қазақ тіл. ауд.: Ә. Р. Алина, Г. Ғ. Оспанова. 1-том, 2015 760, [1] б Текст : непосредственный.	2015
Р. С. Досмағамбетова	 Ішкі аурулар : оқулық : 2 томдық / жалпы ред. басқ. Р. С. Досмағамбетова ; жауапты ред. Л. Г. Тургунова ; ред. басқ.: В. С. Моисеев [және т.б.] ; қазақ тіл. ауд.: Ә. Р. Алина, Г. Ғ. Оспанова. 2-том, 2015 760, [1] б Текст : непосредственный. 	2015
Muzdubayeva, Zhanna Ergalievna	Muzdubayeva, Zhanna Ergalievna. Diagnosis and Principles of Treatment of Hematological Diseases : methodical guidance / Zh. E. Muzdubayeva, 2016 117, [1] p Текст : непосредственный.	2016
Katritsis, Demosthenes	Katritsis, Demosthenes. Clinical Cardiology : Current Practice Guidelines / D. G. Katritsis, B. J. Gersh, A. J. Camm, 2016 970 р Текст : непосредственный.	2016
Available a General medicine	t the department (<mark>ссылка на Classroom</mark>)	
	Davidson's principles and practice of Medicine	
Brian R., Nicki R. Stuart H., Ian D.	22 th Edition, Brian R., Nicki R. Stuart H., Ian D.	
	HARRISON'S Infectious Diseases, Derived from Harrison's Principles of Internal Medicine, 17th Edition, 2010	2010

Mandell, Douglas, and Bennett's	Mandell, Douglas, and Bennett's Infectious Disease ESSENTIALS, 2017	2017
David Schlossberg	Clinical Infectious Disease SECOND EDITION, Edited by David Schlossberg, MD, FACP, 2015	2015
	Clinical Handbook of Pediatrics, Schwartz's, fifth edition, 2013	2013
Henry M. Adam, MD, FAAP Jane Meschan Foy, MD	Signs & Symptoms IN PEDIATRICS, by Henry M. Adam, MD, FAAP Jane Meschan Foy, MD, FAAP, 2015	2015
Richard P.Usatine, Camille Sabella	The color atlas of pediatrics by Richard P.Usatine, Camille Sabella, 2015	2015
	PRINCIPLES of PHARMACOLOGY, Fourth Edition, 2017	2017
Pulmonology		
	Clinical Infectious Disease (WEST'S PULMONARY PATHOPHYSIOLOGY)	
Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD	PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014	2014
	Oxford Handbook of Respiratory Medicine, Third Edition, 2014	2014
Cardiology	· ·	
Pierre Théroux, MD	Acute coronary syndromes : a companion to Braunwald's heart disease, SECOND EDITION	2011
Brent G. Petty	Basic Electrocardiography Second Edition	2020
Joseph Loscalzo, MD, PhD	HARRISON'S Cardiovascular Medicine	2010
James C. Reed, MD	CHEST RADIOLOGY: PATTERNS AND DIFFERENTIAL DIAGNOSES ISBN: 978-0-323- 49831-9 SEVENTH EDITION	2018
Douglas L. Mann, MD, FACC	HEART FAILURE: A COMPANION TO BRAUNWALD'S HEART DISEASE, SECOND EDITION	2011
Henry R. Black, William J. Elliott	Hypertension A Companion to Braunwald's Heart Disease SECOND EDITION	2013
M Gabriel Khan	Practical Cardiology First Edition	2018

Punit Ramrakha	Oxford Handbook of Cardiology SECOND EDITION	2013
Alan Noble, Alan Thomas	The Cardiovascular System BASIC SCIENCE AND	2010
· · · · · · · · · · · · · · · · · · ·	CLINICAL CONDITIONS/ SECOND EDITION	
А.И. Дядыка, А.Э. Багрия	Сердечно-сосудистые заболевания у пожилых /	2013
	Эхокардиография. Практическое руководство/	• • • • •
Элисдейр Райдинг	Элисдейр Райдинг: пер. с анг М.: МЕДлресс-	2010
	ннформ	
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	BRAUNWALD'S HEART DISEASE, 2013	2013
	Clinical Arrhythmology and Electrophysiology. A	
Ziad F. Issa, MD, John M. Miller, MD, Douglas P. Zipes,	Companion to Braunwald's Heart Disease, second	
MD	edition, Ziad F. Issa, MD, John M. Miller, MD, Douglas	
	P. Zipes, MD	
Gastroenterology		
Dan L. Longo, MD, Anthony S. Fauci, MD, Carol A.	HARRISON'S Gastroenterology and Hepatology,	
Langford, MD	edited by Dan L. Longo, MD, Anthony S. Fauci, MD,	2010
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mass, 2015, Rockston, Sanazin, Wedenleyer	Rockstroh, Sarrazin, Wedemeyer. 2016	2010
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/ под ред. И.В. Маева	руководство /: ГЭОТАР-Медиа, ил. — (Серия	2019
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С.В. Бельмер, А.И. Хавкин, Д.В. Печкуров	Функциональные расстройства органов пищеварения у детей. Принципы диагностики и лечения (международные и отечественные рекомендации). — М.: ГЭОТАР-Медиа	2020
А.М. Запруднов	Заболевания кишечника в детском возрасте: руководство для врачей. — М.: ГЭОТАР-Медиа	2018
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A. Victor Hoffbrand, Paul A. H. Moss	Hoffbrand's Essential Haematology, 7 th edition by A. Victor Hoffbrand, Paul A. H. Moss, UK 2016	2017
	Oxford Handbook of Clinical Haematology, 4 th edition, 2015	2012
Сараева Н. О.	Гематология : учебное пособие	2015
Shauna C. Anderson Young	ANDERSON'S Atlas of Hematology THIRD EDITION	2021
Nicholas J Talley, Brad Frankum & David Currow.	Essentials of Internal medicine Elsevier. 3d edition	2015
	Harrisson's Manual of Medicine/ 20th Edition	2020
Endocrinology		
J. Larry Jameson, MD	HARRISON'S Endocrinology, 2 nd edition, by J. Larry Jameson, MD, PhD, 2010	2010

	Oxford Handbook of Endocrinology and Diabetes, Third edition, 2014	2014
Nephrology		
J. Larry Jameson	Harrison's nephrology and acid-base disorders/ J. Larry Jameson, 2010	2010
Edgar V. Lerma, Allen R. Nissenson	Nephrology secrets. —3rd ed. / Edgar V. Lerma, Allen R. Nissenson, New York 2012	2012
Rheumatology	· · · · · · · · · · · · · · · ·	
	HARRISON'S Rheumatology, second edition, 2010	2010
	Oxford Handbook of Rheumatology, forth edition, 2013	2013
	Additional Available in the library	<u>.</u>
Автор	Наименование книги, издательство	Год изд ия
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Жүрек-қан тамырлар жүйесі модулі : оқулық / [С. К. Жауғашева және т. б.] ; жауапты ред.: С. Б. Жәутікова, С Б. Нұрсұлтанова ; серия ред. Р. С. Досмағамбетова, 2014 340 б Текст : непосредственный.	2014
Дуйсебаева, Алия Таттибаевна. Ультразвуковая диагностика в кардиологии : учеб. пособие / А. Т. Дуйсебаева 2018 470 с Текст : непосредственный.	, 2018
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Сейсембеков Т. З. Классификации и диагностические критерии внутренних болезней : учеб. пособие / Т. З. Сейсембеков, 2018 394 с Текст : непосредственный.	2018
Ревматологиялық фармакотерапия : [оқулық] / [Н. Ж. Орманов, Т. Н. Орманов, Ж. О. Бекенова және т. б.], 201 - 237 б Текст : непосредственный.	7. 2017
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Аметов, Александр Сергеевич. Избранные лекции по эндокринологии : учеб. пособие / А. С. Аметов, 2016 713 с Текст : непосредственный.	2016
Колуэлл, Джон. Сахарный диабет. Новое в лечении и профилактике : монография / Дж. А. Колуэлл, 2014 2 с Текст : непосредственный.	88 2014
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Ішкі аурулар пульмонология модулі : окулық / А. М. Жусупова, А. А. Ким, А. Р. Алина [және т.б.] ; серия ред. С. Досмагамбетова ; [жауапты ред.: Л. Г. Тургунова, Е. М. Ларюшина], 2016 263, [1] б Текст : непосредственный.	P. 2016
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Ішкі аурулар нефрология модулі : оқулық / И. В. Бачева, Л. Г. Тургунова, Н. С. Умбеталина, Г. Г. Оспанова ; серия ред. Р. С. Досмагамбетова ; [жауапты ред.: Л. Г. Тургунова, Е. М. Ларюшина], 2016 260, [1] б Текст непосредственный.	2016

	Ішкі аурулар Гематология модулі : оқулық / Л. Г. Тургунова, Е. М. Ларюшина, Н. С. Умбеталина [және т.б.] ; серия ред. Р. С. Досмагамбетова ; [жауапты ред.: Л. Г. Тургунова, Е. М. Ларюшина], 2016 239, [1] б Текст : непосредственный.	2016
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	The ESC Textbook of Preventive Cardiology : textbook / European Association for Cardiovascular Prevention and Rehabilitation, 2015 351 р Текст : непосредственный.	2015
	Cardiac Drugs : [monograph] / The Carver College of Medicine, University of Iowa, USA, 2015 536 p Текст : непосредственный.	2015
Electronic	Internet resources:	
resources	1. Medscape.com - <u>https://www.medscape.com/familymedicine</u>	
105001005	2. Oxfordmedicine.com -https://oxfordmedicine.com/	
	3. Uptodate.com - https://www.wolterskluwer.com/en/solutions/uptodate	
	4. Osmosis - https://www.youtube.com/c/osmosis	
	5. Ninja Nerd - https://www.youtube.com/c/NinjaNerdScience/videos	
	6. CorMedicale - https://www.youtube.com/c/CorMedicale - medical video animations in Russian language	
	7. Lecturio Medical - https://www.youtube.com/channel/UCbYmF43dpGHz8gi2ugiXr0Q	
	8. SciDrugs - https://www.youtube.com/c/SciDrugs/videos - video lectures on pharmacology in Russian lang	uage.
Simulators in		- 8
the simulation		
center		
Special	1. Google classroom - available in the public domain.	
software	2. Medical calculators: Medscape, Physician's Handbook, MD+Calc - freely available.	
	3. Directory of diagnostic and treatment protocols for medical workers from the RCHD, the Ministry of Health of the F	Republic of
		-
	Kazakhstan: Dariger - available in the public domain.	
	Kazakhstan: Dariger - available in the public domain.	

A student in accordance with an individual internship plan:

1) supervises patients in organizations providing pre-medical medical care, emergency medical care, specialized medical care (including high-tech), primary health care, palliative care and medical rehabilitation;

2) participates in the appointment and implementation of diagnostic, therapeutic and preventive measures;

3) conducts documentation and sanitary and educational work among the population;

4) participates in preventive examinations, medical examinations, is present at consultations;

5) participates in clinical rounds, clinical reviews;

6) participates in duty at least four times a month in medical organizations (duty is not taken into account when calculating the workload of an internship student);

7) participates in clinical and clinical-anatomical conferences;

8) is present at pathoanatomical autopsies, participates in the research of autopsy, biopsy and surgical materials;

9) under the supervision of a scientific supervisor, collects material and analyzes data for a scientific project.

Bonus system:

For extraordinary achievements in the field of future professional activity (clinical, scientific, organizational, etc.), additional points up to 10% of the final assessment can be added to the student (by the decision of the department)

13.	Discipline policy (части, выделенные зеленым, пожалуйста, не изменяйте)				
	Discipline policy is determined by the University's Academic Policy and the University's Academic Integrity Policy. If the links do not				
	open, then you can find the relevant documents in IS Univer.				
	Rules of Professional Conduct:				
	1) Appearance:				
	✓ office style of clothing (shorts, short skirts, open T-shirts are not allowed to attend university, jeans are not allowed in the clinic)				
	✓ Clean and ironed coat				
	✓ medical mask				
	✓ medical cap (or a neat hijab without hanging ends)				
	✓ medical gloves				
	✓ changeable shoes				
	✓ neat hairstyle, long hair should be gathered in a ponytail, or a bun, for both girls and guys. Neatly short cut nails. Bright, dark manicure is prohibited. It is permissible to cover the nails with transparent varnish.				
	✓ badge with full name (full name)				
	2) Mandatory presence of a phonendoscope, tonometer, centimeter tape, (you can also have a pulse oximeter)				
	3) Properly executed sanitary (medical) book (before the start of classes and must be updated on time)				

4) * Possession of a vaccination passport or other document confirming a fully completed course of vaccination against COVID-19 and influenza

5) Mandatory observance of the rules of personal hygiene and safety

6) Systematic preparation for the educational process.

7) Accurate and timely maintenance of reporting documentation.

8) Active participation in medical-diagnostic and public events of the departments.

A student without a medical book and vaccination will not be allowed to see patients.

A student who does not meet the requirements for appearance and / or from whom a strong / pungent odor emanates, since such a smell can provoke an undesirable reaction in the patient (obstruction, etc.) - is not allowed to the patients! Преподаватель в праве принять решение о допуске к занятиям студентов, которые не выполняют требования профессионального поведения, включая требования клинической базы!

Study discipline:

- 1. Being late for classes or the morning conference is not allowed. In case of being late, the decision on admission to the lesson is made by the teacher leading the lesson. If there is a good reason, inform the teacher about the delay and the reason by message or by phone. After the third delay, the student writes an explanatory note addressed to the head of the department indicating the reasons for being late and is sent to the dean's office to obtain admission to the lesson. If you are late without a valid reason, the teacher has the right to deduct points from the current grade (1 point for each minute of delay)
- 2. Religious events, holidays, etc. are not a valid reason for skipping, being late and distracting the teacher and the group from work during classes.
- 3. If you are late for a good reason do not distract the group and the teacher from the lesson and quietly go to your place.
- 4. Leaving the class ahead of time, being outside the workplace during school hours is regarded as absenteeism.
- 5. Additional work of students during study hours (during practical classes and shifts) is not allowed.
- 6. For students who have more than 3 passes without notifying the curator and a good reason, a report is issued with a recommendation for expulsion.
- 7. Missed classes are not made up.
- 8. The internal regulations of the clinical bases of the department are fully applicable to students
- 9. Greet the teacher and any senior by standing up (in class)
- 10. Smoking (including the use of vapes, electronic cigarettes) is strictly prohibited on the territory of medical facilities (outdoors) and the university. Punishment - up to the annulment of boundary control, in case of repeated violation - the decision on admission to classes is made by the head of the department
- 11. Respectful attitude towards colleagues regardless of gender, age, nationality, religion, sexual orientation.

	 12. Have a laptop / laptop / tab / tablet with you for studying and passing MCQ tests for TBL, boundary and final controls. 13. Taking MCQ tests on phones and smartphones is strictly prohibited
	The behavior of the student at the exams is regulated by the "Rules for the final control", "Instructions for the final control of the autumn/spring semester of the current academic year" (the current documents are uploaded to the Univer IS and are updated before the start of the session); "Regulations on checking text documents of students for the presence of borrowings."
	In addition to the requirements for the academic discipline:
	If you miss a class without a good reason, the teacher has the right to deduct points from the current control -
	5 points for each missed lesson for 3rd year disciplines
	10 points for each missed lesson for 4-5 year disciplines
14	1. Constantly preparing for classes:
	For example, backs up statements with relevant references, makes brief summaries
	Demonstrates effective teaching skills, assists in teaching others
	2. Take responsibility for your learning:
	For example, manages their learning plan, actively tries to improve, critically evaluates information resources
	3. Actively participate in group learning:
	For example, actively participates in discussions, willingly takes tasks
	4. Demonstrate effective group skills
	For example, takes the initiative, shows respect and correctness towards others, helps to resolve misunderstandings and conflicts. 5. Skillful communication skills with peers :
	For example, he listens actively, is receptive to nonverbal and emotional signals
	Respectful attitude
	6. Highly developed professional skills:
	Eager to complete tasks, seek opportunities for more learning, confident and skilled
	Compliance with ethics and deontology in relation to patients and medical staff
	Observance of subordination.
	7. High introspection:
	For example, recognizes the limitations of his knowledge or abilities, without becoming defensive or reproaching others
	8. Highly developed critical thinking:
	For example, accordingly demonstrates skills in performing key tasks, such as generating hypotheses, applying knowledge to cases
	from practice, critically evaluating information, making conclusions aloud, explaining the process of reflection
	9. Fully complies with the rules of academic behavior with understanding, offers improvements in order to increase efficiency.

	Observes the ethics of communication – both oral and written (in chats and appeals)			
	10. Fully follows the rules with full understanding of them, encourages other members of the group to adhere to the rules			
Strictly adheres t	o the principles of m	edical ethics and PRIMUM NON NOCER		
15. Distance/Online	Learning – Prohib	ited in Clinical Discipline		
(части, выделен	ные зеленым, пожа	луйста, не изменяйте)		
1. According to the order of the	Ministry of Education	on and Science of the Republic of Kazakhstan No. 17513 dated October 9, 2018 "On approval of		
the List of areas of training wit	n higher and postgrad	duate education, training in which in the form of external studies and online education is not		
allowed". According to the abo	ve regulatory docum	ent, specialties with the discipline code of health care: bachelor's degree (6B101), master's degree		
(7M101), residency (7R101), d	octoral studies, (8D1	01) - training in the form of external study and online education - is not allowed.		
Thus, students are prohibited fr	om distance learning	in any form. It is only allowed to work out a lesson in a discipline due to the absence of a		
student for reasons beyond his	control and the prese	nce of a timely confirming document (example: a health problem and presenting a confirming		
document - a medical certificat	e, a signal sheet of th	e PHC, an extract from a consultative appointment with a medical specialist - a doctor)		
16. Approval and review				
Department head	A -	Sadykova Sh.S.		
	Na			
Committee on the Quality of		Kurmanova G.M.		
Teaching and Learning of the				
Faculty	m			

	Topic plan and content of classes						
N⁰	Topic	Content	Literature	Conduct form			
	2	3	4	5			
		Pulmonology					
1	Influenza . Viral pneumon	 1. Integrate knowledge and skills in the diagnosis, treatment and prevention of influenza and ARVI (features of the pathogenesis and clinic of parainfluenza, RS-virus, rhinovirus, adenovirus, coronavirus infection, Covid19); ARI (rhinitis, pharyngitis, laryngitis, tracheitis and bronchitis) caused by mycoplasmas, chlamydia and bacteria Haemophilus influenzae, streptococci, staphylococci). 2. Identify and interpret clinical symptoms, laboratory diagnostic data and instrumental methods for detecting chronic bronchitis, conduct remote sensing (endoscopy) with tracheobronchial dyskinesia, bronchial tuberculosis, bronchial cancer. 3. Be able to diagnose and treat community-acquired viral and viral-bacterial pneumonia, suspect ARDS and know the stages of ARDS, the principles of treatment and prevention of ARDS depending on the cause and stage. Formulate a complete clinical diagnosis, prescribe treatment, apply knowledge of the course of the disease to manage the patient, taking into account individual characteristics and evaluate effectiveness. Apply knowledge of primary and secondary prevention to conduct patient education. https://emedicine.medscape.com/infectious_diseases 	https://geekymedics.com/category/medicine/ respiratory/ https://geekymedics.com/croup/ https://geekymedics.com/bronchiolitis/ 1. Harrison's Principles of internal medicine, 2022 2. HARRISON'S Pulmonary and CriticalCare Medicine; Editor Joseph Loscalzo, MD, PhD, 2010 3. Clinical Infectious Disease (WEST'S PULMONARY PATHOPHYSIOLOGY); 4. PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014 5. Oxford Handbook of Respiratory Medicine, Third Edition, 2014	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics			
2	Commun	1. Be able to diagnose (clinically, lab-instrumentally) and	1. Harrison's Principles of internal	Formative			
	ity-	treat community-acquired pneumonia in children, adults, the	medicine, 2022	assessment:			
	acquired	elderly, pregnant women with a typical and atypical pathogen	2. HARRISON'S Pulmonary and				
	pneumon	(Str. Pneumonia, Mycoplasma pneumoniae and Chlamydophila	CriticalCare Medicine; Editor Joseph				

Topic plan and content of classes

	ia. Complic ations of pneumon ia. Suppurat ive lung diseases. Sepsis. DIC syndrom e. Hospital- acquired pneumon ia and pneumon ia in immunoc ompromi sed individua ls	 pneumoniae, St. aureus, Klebsiella pneumoniae, Candida) with understanding their characteristics, prescribe antibacterial and mucolytic therapy using knowledge of clinical microbiology and pharmacology. Apply the treatment algorithm and rational antibiotic therapy for pneumonia from the perspective of evidence-based medicine. To understand the principles of immunomodulatory therapy. 2. Apply knowledge about the criteria for severity, indications for hospitalization. 3. Identify and interpret clinical symptoms and syndromes, data from laboratory and visual examination methods in patients with complications of pneumonia (pleurisy, complicated pleurisy, pleural empyema; abscesses and gangrene, sepsis, infectioustoxic shock), typical manifestation and course, taking into account age aspects. 4. Suggest bronchiectasis, lung cancer, infiltrative tuberculosis and tuberculous pleurisy. 5. Assume healthcare-associated pneumonia (hospital, ventilator-associated) and apply treatment principles based on knowledge of likely pathogens. 6. Assume pneumonia in immunocompromised patients, the features of pathogenesis and know the principles of treatment and prevention. 7. Know the features of aspiration pneumonia. 8. Formulate a complete clinical diagnosis, prescribe treatment, apply knowledge of the course of the disease to manage the patient, taking into account individual characteristics and evaluate effectiveness. 	Loscalzo, MD, PhD, 2010 3. Clinical Infectious Disease (WEST'S PULMONARY PATHOPHYSIOLOGY); 4. PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014 5. Oxford Handbook of Respiratory Medicine, Third Edition, 2014	 Using active learning methods: TBL Working with the patient Training in the simulation center Mini-conference of the IWS topics
3	Bronchia	1. Identify and interpret the clinical symptoms of IgE-dependent	https://geekymedics.com/peak-expiratory-	Formative
	l asthma.	and IgE-independent BA, be able to determine the variants of the	flow-rate-pefr/	assessment:
	Complic	clinical course of the disease, control levels, severity, comorbid	1. Harrison's Principles of internal	1. Using active
	ations	diseases, the risk of BA exacerbations.	medicine, 2022	learning methods:
	and	2. Carry out differential diagnosis of BA with other allergic	2. HARRISON'S Pulmonary and	TBL
	emergen	(Quincke's edema) and non-allergic diseases (chronic cough	CriticalCare Medicine; Editor Joseph	

	cies in bronchial asthma. Anaphyl axis, anaphyla ctic shock	 syndrome, COPD, heart disease, GERD, pulmonary fibrosis, vocal cord dysfunction syndrome, hyperventilation syndrome). 3. Possess the skills of appointment and clinical interpretation of the results of laboratory and instrumental examination. 4. Formulate and substantiate a detailed clinical diagnosis, taking into account the accepted GINA classification. 5. Possess the skills of carrying out medical and diagnostic measures to provide emergency medical care to patients with asthma (attack of asthma, status asthmaticus). 6. Carry out treatment of patients depending on the pathogenesis of the disease, the severity of exacerbation, the level of control and the severity of BA. Assess the effectiveness of therapy. 7. Diagnose and carry out urgent measures in case of anaphylactic shock at all levels of medical care for adults and children, taking into account different clinical variants of shock. 8. Know the immunopathogenesis of severe allergic reactions, be able to identify, formulate a diagnosis and know the principles of treatment of Lyell's syndrome, Stevens-Johnson syndrome, exudative erythema multiforme. Possess skills in managing patients who have had severe allergic reactions, evaluate the effectiveness of the therapy. 9. Own management of patients with bronchial asthma and severe allergic reactions, taking into account their individual characteristics and various variants of the course of diseases. 10. Apply knowledge of primary and secondary prevention of allergic diseases in patient education. 	Loscalzo, MD, PhD, 2010 3. Clinical Infectious Disease (WEST'S PULMONARY PATHOPHYSIOLOGY); 4. PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014 5. Oxford Handbook of Respiratory Medicine, Third Edition, 2014	 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
4	COPD	 Identify and interpret the clinical symptoms of COPD, be able to determine the variants of the clinical course of the disease (emphysametous, bronchitis, mixed), levels of control, prevention of complications, categories, comorbid diseases, exacerbation of COPD and pneumonia in COPD. Possess the skills of prescribing and clinical interpretation of the results of laboratory and instrumental examination (spirography, CT). Carry out treatment of patients depending on the severity of exacerbation, category and degree of respiratory insufficiency and 	https://classroom.google.com/u/0/c/MzE5Nz YxNDAzNDIy?hl=ru https://classroom.google.com/u/0/c/MzE5Nz YyODA1ODgw?hl=ru 1. Harrison's Principles of internal medicine, 2022 2. HARRISON'S Pulmonary and CriticalCare Medicine; Editor Joseph Loscalzo, MD, PhD, 2010 3. Clinical Infectious Disease (WEST'S	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center

	 comorbid conditions (IHD, AH, ACOS). Assess the effectiveness of therapy. 4. Possess the skills of medical treatment and diagnostic measures to provide assistance in case of complications (respiratory insufficiency, chronic cor pulmonale, pulmonary hypertension, lung cancer). 5. Formulate a complete clinical diagnosis, prescribe treatment, apply knowledge of the course of the disease to manage the patient, taking into account individual characteristics and evaluate effectiveness. 6. Apply knowledge of primary and secondary prevention to conduct patient education. 	 PULMONARY PATHOPHYSIOLOGY); 4. PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014 5. Oxford Handbook of Respiratory Medicine, Third Edition, 2014 	4. Mini-conference of the IWS topics
5 Respirat ory failure. Dissemin ated lung diseases. Acute and chronic cor pulmonal e	 Assumes disseminated lung disease: exogenous alveolitis (allergic and toxic), idiopathic fibrosing alveolitis, acute, subacute and chronic sarcoidosis; pneumoconiosis (silicosis), disseminated forms of tuberculosis. Has an idea (knows) about rare lung diseases with dissemination syndrome (pulmonitis, pulmonary vasculitis, proteinosis, pneumomycosis, idiopathic pulmonary hemosiderosis, primary bronchopulmonary amyloidosis), EVALI (vaper diseases). Identify and interpret clinical symptoms and syndromes, data from laboratory and imaging examinations in patients with pulmonary embolism (PE), acute and chronic cor pulmonale, exogenous and endogenous alveolitis, pulmonary vasculitis in their typical manifestation and course, taking into account age-related aspects. Master the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population in case of pulmonary embolism, acute and chronic pulmonary heart disease, exogenous and endogenous alveolitis, pulmonary beart disease, exogenous and endogenous alveolitis, pulmonary beart disease, exogenous and endogenous alveolitis, pulmonary heart disease, exogenous and endogenous alveolitis, pulmonary heart disease, exogenous and endogenous alveolitis, pulmonary heart disease initial skills in maintaining current accounting and reporting medical documentation, including information systems. Integrates knowledge and skills to ensure an individual approach in the treatment of a particular patient; to teach to make professional 	 Harrison's Principles of internal medicine, 2022 HARRISON'S Pulmonary and CriticalCare Medicine; Editor Joseph Loscalzo, MD, PhD, 2010 Clinical Infectious Disease (WEST'S PULMONARY PATHOPHYSIOLOGY); PRINCIPLES OF PULMONARY MEDICINE, sixth edition by Steven E. Weinberger, MD, FACP, Barbara A. Cockrill, MD, Jess Mandel, MD, FACP, 2014 Oxford Handbook of Respiratory Medicine, Third Edition, 2014 Harrison's Principles of internal medicine, 2022 Davidson's principles and practice of Medicine 22thEdition, Brian R., Nicki R. Stuart H., Ian D. 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

	1			1
		decisions based on the analysis of the rationality of diagnostics and		
		the principles of evidence-based medicine.		
		7. Demonstrate communication skills, teamwork skills,		
		organization and management of the diagnostic and treatment		
		process.		
		8. Apply knowledge of the principles and methods of forming a		
		healthy lifestyle for a person and family.		
		9. Demonstrate commitment to professional values such as		
		altruism, compassion, empathy, responsibility, honesty and		
		confidentiality.		
		10. Demonstrate the ability and need for continuous professional		
		training and improvement of their knowledge and professional		
		skills.		
		11. Demonstrate basic research skills.		
		12. Differential diagnosis: idiopathic fibrosing alveolitis,		
		Goodpasture's syndrome, histiocytosis X, hematogenous		
		disseminated tuberculosis, lung carcinomatosis, bronchoalveolar		
		cancer, pneumomycosis, pneumoconiosis.		
		Cardiology. Rheumatology		
6	Ischemic	1. Identify and interpret clinical symptoms and syndromes, data	1. Harrison's Principles of internal	Formative
	heart	from laboratory and visual examination methods in patients with	medicine, 2022	assessment:
	disease.	IHD, HF, CHF, their typical manifestation and course, taking into	2. HARRISON'S Cardiovascular Medicine,	1. Using active
	Stable	account age-related aspects.	by Joseph Loscalzo, MD, PhD of Harvard	learning methods:
	exertiona	2. Master the skills of basic medical treatment, diagnostic and	Medical School;Chairman, Boston, 2010	TBL
	l angina.	preventive measures to provide medical care to the population with	3. Acute Coronary Syndromes, second	2. Working with the
	CHĎ	IHD, HF, CHF.	edition, A Companion to Braunwald's Heart	patient
	treatment	3. Demonstrate skills in integrating knowledge and skills to ensure	Disease, by Pierre Théroux, MD Professor	3. Training in the
	. Chronic	an individual approach in the treatment of IHD, HF, CHF; to teach	of Medicine of Canada, 2011	simulation center
	heart	to make professional decisions based on the analysis of the	4. Hypertension: A companion to	4. Mini-conference
	failure	rationality of diagnostics and the principles of evidence-based	Brounwald's heart disease, second edition,	of the IWS topics
		medicine.	2013, by Saunders	1
		4. Demonstrate communication skills, teamwork skills,	5. Heart Failure Updates, John JV	
		organization and management of the diagnostic and treatment	McMurray MD FRCP FESC FACC, Marc A	
		process.	Pfeffer MD PhD, 2003	
		5. Apply knowledge of the principles and methods of forming a	6. Heart Failure: A companion to	
		healthy lifestyle for a person and family.	Brounwald's heart disease, second edition,	

7	Acute	 6. Demonstrate the ability and need for continuous professional training and improvement of their knowledge and professional skills. 7. Demonstrate basic research skills. 8. Differential diagnosis: Variant angina pectoris. Painless myocardial ischemia. Microvascular angina (syndrome X). 9. The use of antianginal, thrombolytic, anticoagulant drugs, antiplatelet agents, systematic dosed physical activity. Classification of thrombolytics, indications and contraindications for their use, complications. 10. Mechanism of action, indications and contraindications for the use of antiplatelet agents, laboratory control methods; side effects. 11. Classification of antiplatelet agents, indications and contraindications for use, side effects. 12. Modern invasive methods of treatment (balloon angioplasty, stenting, coronary artery bypass grafting). 1. Identify and interpret clinical symptoms and syndromes, data from laboratory and imaging methods in patients with ACS, MI, 	2011, by Saunders 1. Harrison's Principles of internal medicine, 2022	Formative assessment:
	coronary syndrom e (ACS). Myocard ial infarctio n. Complic ations of myocardi	 from laboratory and imaging methods in patients with ACS, MI, AHF, their typical manifestation and course, taking into account age-related aspects. 2. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population with ACS, MI, AHF. 3. Demonstrate skills in integrating knowledge and skills to provide an individual approach in the treatment of ACS, MI, AHF; to teach to make professional decisions based on the analysis of the rationality of diagnostics and the principles of evidence-based 	 medicine, 2022 2. HARRISON'S Cardiovascular Medicine, by Joseph Loscalzo, MD, PhD of Harvard Medical School;Chairman, Boston, 2010 3. Acute Coronary Syndromes, second edition, A Companion to Braunwald's Heart Disease, by Pierre Théroux, MD Professor of Medicine of Canada, 2011 4. Hypertension: A companion to Brounwald's heart disease, second edition, 	assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
	al infarctio n Acute heart failure	 autonality of diagnostics and the principles of evidence-based medicine. 4. Demonstrate communication skills, teamwork skills, organization and management of the diagnostic and treatment process. 5. Apply knowledge of the principles and methods of forming a healthy lifestyle for a person and family. 6. Demonstrate the ability and need for continuous professional training and improvement of their knowledge and professional skills. 	 biounwald's heart disease, second edition, 2013, by Saunders 5. Heart Failure Updates, John JV McMurray MD FRCP FESC FACC, Marc A Pfeffer MD PhD, 2003 6. Heart Failure: A companion to Brounwald's heart disease, second edition, 2011, by Saunders 	or the two topics

8	Arterial hyperten sion. Arrhyth	 7. Demonstrate basic research skills. 8. Mechanisms of atherosclerotic plaque destabilization and development of coronary artery thrombosis. Differential diagnosis. 9. The role of biochemical markers of myocardial damage: troponins T and I, myoglobin, creatine phosphokinase MB-fraction in the diagnosis of ACS. 10. Medical tactics, treatment and prevention of complications. Emergency care for anginal status at the pre-hospital and hospital stage. 11. Diagnostic criteria and therapeutic tactics for rhythm and conduction disorders, cardiogenic shock, pulmonary edema, thromboembolic complications, pericarditis, Dressler's syndrome, early postinfarction angina pectoris, cardiogenic shock, acute left ventricular failure (pulmonary edema). 1. Identify and interpret clinical symptoms and syndromes, data from laboratory and visual examination methods in patients with hypertension, arrhythmia, their typical manifestation and course, taking into account age-related aspects. 2. Possess the skills of basic medical treatment, diagnostic and 	 Harrison's Principles of internal medicine, 2022 HARRISON'S Cardiovascular Medicine, by Joseph Loscalzo, MD, PhD of Harvard Medical School;Chairman, Boston, 2010 	Formative assessment: 1. Using active learning methods: TBL
		 preventive measures to provide medical care to the population with hypertension, arrhythmia. 3. Demonstrate skills in integrating knowledge and skills to provide an individual approach in the treatment of hypertension, arrhythmia; to teach to make professional decisions based on the analysis of the rationality of diagnostics and the principles of evidence-based medicine. 4. Demonstrate communication skills, teamwork skills, organization and management of the diagnostic and treatment process. 5. Apply knowledge of the principles and methods of forming a healthy lifestyle for a person and family. 6. Demonstrate the ability and need for continuous professional training and improvement of their knowledge and professional skills. 7. Demonstrate basic research skills. 	 Acute Coronary Syndromes, second edition, A Companion to Braunwald's Heart Disease, by Pierre Théroux, MD Professor of Medicine of Canada, 2011 Hypertension: A companion to Brounwald's heart disease, second edition, 2013, by Saunders Heart Failure Updates, John JV McMurray MD FRCP FESC FACC, Marc A Pfeffer MD PhD, 2003 Heart Failure: A companion to Brounwald's heart disease, second edition, 2011, by Saunders Clinical Arrhythmology and Electrophysiology. A Companion to Braunwald's Heart Disease, second edition, 	 Working with the patient Training in the simulation center Mini-conference of the IWS topics

		 8. Has an idea (knows) about arterial hypertension in children and adolescents. Rules for measuring blood pressure. Principles of management of children and adolescents with hypertension. 9. Knows the mechanism of action, dosage, side effects and contraindications of the following drugs: beta-blockers, diuretics, calcium antagonists, ACE inhibitors, angiotensin II receptor antagonists, direct vasodilators, sympathomimetics, vasoactive prostaglandins and prostacyclin synthesis stimulants. 10. Has an idea (knows) about the features of antihypertensive therapy in patients with complicated course of arterial hypertension, in pregnant women. Target organ damage: heart, organ of vision, kidneys, central nervous system. 11. Able to provide emergency care in acute cerebrovascular accident, cerebral edema, exfoliating aortic aneurysm, eclapsia, acute renal failure, kidney disease. Renovasklar arterial hypertension. Endocrine. Cerebral (neurological). Hemodynamic. Hypertension during pregnancy. Relief of hypertension in a pregnant woman. 12. Knows clinical diagnostic and differential diagnostic criteria for ventricular and supraventricular tachycardia, atrioventricular and intraventricular blockades. ECG diagnostics. Indications for permanent or temporary pacing (ECS). Surgical treatment of 	Ziad F. Issa, MD, John M. Miller, MD, Douglas P. Zipes, MD 8. ECG Diagnosis Made Easy, Romeo Vecht FRCP, FACC, FESC, 2011	
9	Myocard itis. Cardiom yopathy. Pericardi tis	 tachyarrhythmias. Identify and interpret clinical symptoms and syndromes, data from laboratory and objective examination methods in patients with Myocarditis, Cardiomyopathy, Pericarditis, their typical manifestation and course, taking into account age-related aspects. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population with Myocarditis, Cardiomyopathy, Pericarditis. Possess the initial skills of maintaining current accounting medical documentation, including in information systems. 	 Harrison's Principles of internal medicine, 2022 HARRISON'S Cardiovascular Medicine, by Joseph Loscalzo, MD, PhD of Harvard Medical School;Chairman, Boston, 2010 Acute Coronary Syndromes, second edition, A Companion to Braunwald's Heart Disease, by Pierre Théroux, MD Professor of Medicine of Canada, 2011 Hypertension: A companion to Brounwald's heart disease, second edition, 2013, by Saunders 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

10	chronic rheumati c heart disease.	 2. 3. 4. 5. 6. 7. 8. 	 Integrates knowledge and skills to ensure an individual app treatment of a particular patient; to teach to make professio based on the analysis of the rationality of diagnostics and th of evidence-based medicine. Demonstrate communication skills, teamwork skills, organi management of diagnostic and treatment process. Apply knowledge of the principles and methods of forming lifestyle, including healthy family lifestyle. Demonstrate commitment to professional values such as alt compassion, empathy, responsibility, honesty and confident Demonstrate abilities and needs for continuous professional improvement of their knowledge and skills of professional Demonstrate initial researcher skills. Knows the differential diagnosis between cardiomyopathies: Dilated, Hypertrophic, Restrictive. EchoCG diagnostics of various options. Has an idea (knows) about Acute pericarditis, Pericardial effusion, Cardiac tamponade, Postinfarction injury syndrome, Chronic pericardial effusion, Pericardial cysts. Identifies and interprets the clinical symptoms (cardiac and non- cardiac manifestations) of acute rheumatic fever (ARF). Interprets laboratory and instrumental data of ARF. Knows the features of ARF therapy with and without involvement of heart valves, concomitant diseases, the presence of an allergic reaction to the penicillin series. Applies knowledge on pathogenesis, clinic and treatment for primary, secondary and tertiary prevention. Knows the clinical manifestations and management of a patient with chronic rheumatic heart disease (CRHD), taking into account age-related aspects, pregnancy and other concomitant diseases. Interprets instrumental data of CRHD. Knows the indications for surgical treatment of CRHD. Knows the indications for surgical treatment of Lentifies and interprets clinical symptoms, laboratory and instrum	naMateFiRioFisFESC FACC, Marc A Pfeffer MD applith@ples zation, and a healthy ruism, iality. I training and	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
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11	Rheumat oid arthritis	 Knows the features of patient management, taking into account age-related aspects, pregnancy and other concomitant diseases with an unknown pathogen and depending on the etiology. Knows the radiological stages of rheumatoid arthritis (RA). Identifies and interprets clinical symptoms and syndromes, laboratory and instrumental data in RA. Knows options for debut, systemic manifestations (vasculitis, serositis, peripheral neuropathy) and syndromes (Felty, Kaplan, Still), JRA. Makes professional decisions based on the analysis of the rationality of diagnosis and the principles of evidence-based medicine (full diagnosis - severity, features, course options), complications (risk of atherosclerosis, infectious, amyloidosis), as well as treatment taking into account comorbidity and the patient's condition (pregnancy, secondary infection, fibrosis lungs, etc.). Knows the principles of prescribing pulse therapy, basic first-and second-line therapy, extracorporeal methods of treatment. 	 HARRISON'S Rheumatology, second edition, 2010 Oxford Handbook of Rheumatology, forth edition, 2013 Harrison's Principles of internal medicine, 2022 Medscape.com Uptodate.com ncbi.nlm.nih.gov/PubMed/ 	Formative assessment: 1. Using active learning methods: TBL, CBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
12	Medical tactics in monoarti cular and polyartic ular lesions	 Identifies and interprets clinical symptoms and syndromes, laboratory and instrumental data in microcrystalline arthritis (gout, pyrophosphate arthropathy, basic calcium phosphate crystal deposition disease), osteoarthritis, bacterial (septic) arthritis. Brucella arthritis and spondylitis. Gonoccal arthritis. Lyme disease. Viral arthritis (with viral hepatitis, parvovirus infection) HIV-associated rheumatic symptoms and syndromes. Makes professional decisions based on the analysis of the rationality of diagnosis and the principles of evidence-based medicine (full diagnosis - severity, features, course options, complications, as well as treatment taking into account comorbidity and the patient's condition). Integrates knowledge and skills to provide an individual approach to the treatment of a particular patient. Applies knowledge on pathogenesis, clinic and treatment for primary, secondary and tertiary prevention. 	 HARRISON'S Rheumatology, second edition, 2010 Oxford Handbook of Rheumatology, forth edition, 2013 Harrison's Principles of internal medicine, 2022 Medscape.com Uptodate.com ncbi.nlm.nih.gov/PubMed/ 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
13	Seronega tive	1. Knows articular and extra-articular manifestations of seronegative spondyloarthropathies: ankylosing spondylitis	1. HARRISON'S Rheumatology, second edition, 2010	Formative assessment:
	spondylo	(Bekhterev's disease), reactive arthritis, Reiter's disease,	2. Oxford Handbook of Rheumatology,	

	arthropat hies	 psoriatic arthritis, ulcerative colitis, Crohn's disease, Whipple's disease, celiac disease. 2. Whipple's disease in their typical manifestation and course, taking into account age-related aspects. 3. Able to interpret laboratory and instrumental data (including X-ray) in seronegative spondyloarthropathies. Makes professional decisions based on the analysis of the rationality of diagnosis and the principles of evidence-based medicine (full diagnosis - severity, features, course options), complications (risk of atherosclerosis, infectious, amiliodosis), as well as treatment taking into account comorbidity and the patient's condition. 	forth edition, 2013 3. Harrison's Principles of internal medicine, 2022 4. Medscape.com 5. Uptodate.com 6. ncbi.nlm.nih.gov/PubMed/	 Using active learning methods: TBL Working with the patient Training in the simulation center Mini-conference of the IWS topics
14	Systemic connecti ve tissue diseases	 Makes a diagnosis based on clinical criteria for systemic connective tissue diseases (systemic lupus erythematosus, systemic scleroderma, secondary antiphospholipid syndrome, dermato/polymyositis, Sjögren's disease, Sharp's syndrome and overlap syndromes, eosinophilic fasciitis, relapsing polychondritis, fibromyalgia, paraneoplastic syndromes (rheumatic manifestations in oncopathology)). Knows the features of damage to internal organs, the course and prognosis of the disease. Knows the indications for high-dose corticosteroid therapy, pulse therapy, cytostatics, efferent therapy, biological therapy. Knows the features of therapy and patient management, taking into account comorbidity and the patient's condition. 	 HARRISON'S Rheumatology, second edition, 2010 Oxford Handbook of Rheumatology, forth edition, 2013 Harrison's Principles of internal medicine, 2022 Medscape.com Uptodate.com ncbi.nlm.nih.gov/PubMed/ 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
15	Systemic vasculitis	 Identifies, interprets the clinical symptoms of systemic vasculitis (polyarteritis nodosa, cryoglobulinemic vasculitis, hemorrhagic vasculitis, Behcet's disease, Takayasu's disease, Wegener's granulomatosis, Churg-Straws syndrome, Horton's disease, polymyalgia rheumatica, Buerger's disease, microscopic polyangiitis, Kawasaki disease) by relating them to the principles immunopathogenesis. Makes professional decisions based on the analysis of the rationality of diagnosis and the principles of evidence-based medicine (full diagnosis - severity, features, course options), as 	 HARRISON'S Rheumatology, second edition, 2010 Oxford Handbook of Rheumatology, forth edition, 2013 Harrison's Principles of internal medicine, 2022 Medscape.com Uptodate.com 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

		well as treatment, taking into account comorbidity and the		
		patient's condition.		
		Gastroenterology, Hepatology, endocrinology, Nephrology		
16	Diseases of the esophagu s. Chronic gastritis, duodeniti s. Peptic ulcer of the stomach and duodenu m. Anemia. IDA, B- 12 - deficienc y anemia	 Identify and interpret clinical symptoms and syndromes, data from laboratory and imaging methods of examination in patients with esophageal disease, Chronic gastritis, duodenitis, Peptic ulcer of the stomach and duodenum, Anemia (IDA, B-12 deficiency), their typical manifestation and course, taking into account age aspects. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population in diseases of the esophagus, chronic gastritis, duodenitis, peptic ulcer of the stomach and duodenum, anemia (IDA, B-12 deficiency). Possess the initial skills of maintaining current accounting i medical documentation, including in information systems. Integrates knowledge and skills to ensure an individual app treatment of a particular patient; to teach to make professio based on the analysis of the rationality of diagnostics and th of evidence-based medicine. Demonstrate communication skills, teamwork skills, organi management of diagnostic and treatment process. Apply knowledge of the principles and methods of forming lifestyle, including healthy family lifestyle. Demonstrate abilities and needs for continuous professional improvement of their knowledge and skills of professional simprovement of their knowledge and skills of professional improvement o	 Pocket MEDICINE Fourth Edition, by MARC S. SABATINE, M.D., M.P.H. 2011 Davidson's principles and practice of Medicine 22thEdition, Brian R., Nicki R. Stuart H., Ian D. Medscape.com Uptodate.com Oxfordmedicine.com 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

		hemorrhagic, cholestatic, putrefactive and fermentative dyspepsia, diarrhea. 12. Tumors of the esophagus. Criteria for diagnosis. Methods for early detection of the disease. Screening. The role of endoscopy and biopsy in diagnosis. Prevention. 13. The role of vitamin B-12 in hematopoiesis. The value of the autoimmune mechanism in pathogenesis. Major clinical syndromes. Laboratory and instrumental diagnostics. The value of myelogram in the diagnosis of megaloblastic anemia. 14. Differential diagnosis with folic deficiency anemia, hypoplastic anemia, acute leukemia. Treatment (oxycobalamin).	
17	Choleste rosis, chronic cholecyst itis, cholelithi asis. Chronic pancreati tis	 Identify and interpret clinical symptoms and syndromes, data from laboratory and visual examination methods in patients with Cholesterosis, Chronic cholecystitis, Cholelithiasis, Chronic pancreatitis, their typical manifestation and course, taking into account age-related aspects. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population in case of Cholesterosis, Chronic cholecystitis, Gallstone disease, Chronic pancreatitis. Possess initial skills in maintaining current accounting and reporting medical documentation, including information systems. Integrates knowledge and skills to ensure an individual approach in the treatment of a particular patient; to teach to make professional decisions based on the analysis of the rationality of diagnostics and the principles of evidence- based medicine. Demonstrate communication skills, teamwork skills, organ management of diagnostic and treatment process. Apply knowledge of the principles and methods of forming lifestyle, including healthy family lifestyle. 	ls: ne ne

		 7. Demonstrate commitment to professional values such as altruism, compassion, empathy, responsibility, honesty and confidentiality. 8. Demonstrate abilities and needs for continuous professional training and improvement of their knowledge and skills of professional activity. 9. Demonstrate initial researcher skills. 10. Ultrasound methods for diagnosing stones in the gallbladder, retrograde cholangiopancreatography. Laparoscopic cholecystectomy. Management of the patient after cholecystectomy. Derivatives of ursodeoxycholic acid. 11. Functions of the pancreas. Features of the ductal system of the pancreas. Classification of chronic pancreatitis. Retrograde cholangiopancreatography. Biochemical markers of chronic pancreatitis. Coprogram. 	
18	Nonspeci fic ulcerativ e colitis. Crohn's disease	 Identify and interpret clinical symptoms and syndromes, laboratory and imaging data in patients with non-specific ulcerative colitis, Crohn's disease, their typical manifestation and course, taking into account age-related aspects. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population with non-specific ulcerative colitis, Crohn's disease. Possess the initial skills of maintaining current accounting medical documentation, including in information systems. Integrates knowledge and skills to ensure an individual app treatment of a particular patient; to teach to make profession based on the analysis of the rationality of diagnostics and of evidence-based medicine. Demonstrate communication skills, teamwork skills, organ management of diagnostic and treatment processs. Apply knowledge of the principles and methods of forming lifestyle, including hailly lifestyle. Demonstrate commitment to professional values such as al compassion, empathy, responsibility, honesty and confiden Identify and interpret clinical symptoms and syndromes, laboratory and imaging data in patients with non-specific ulcerative colitis, Crohn's disease. HARRISON'S Gastroenterology and Hepatology, edited by Dan L. Longo, MD, Anthony S. Fauci, MD, Carol A. Langford, MD, MHS, 2010 Hepatology- A clinical textbook. Mauss, Serg, Rockstroh, Sarrazin, Wedemeyer. Sherlock's diseases of the liver and biliary system, 12th edition, edited by S.Dooley Mini-conference of the IWS topics 	e e

		 Demonstrate abilities and needs for continuous professional improvement of their knowledge and skills of professional Demonstrate initial researcher skills. Has an idea (knows) about diseases that manifest themselves as diarrhea (tumors of the gastrointestinal tract, ulcerative colitis, Crohn's disease, chronic enterocolitis, mono- and disaccharidase malabsorption, celiac disease, functional disorders, infectious diseases). Knows malabsorption syndrome. Constipation (dilated colon, overdistended colon syndrome, colon tumors, diverticulosis, distal colon disease, irritable bowel syndrome). Tumors of the intestine. Clinical manifestations. Methods of diagnosis and treatment. Screening of colorectal cancer. Diagnostics of hypo and hypervitaminosis, microelementoses. 	activity.	
19	Viral hepatitis. Diagnost ics and clinical manifest ations, antiviral therapy. Hypopla stic and hemolyti c anemias. Thrombo cytopeni a	 Identify and interpret clinical symptoms and syndromes, data from laboratory and visual examination methods in patients with viral hepatitis, anemia (hypoplastic and hemolytic), thrombocytopenia, their typical manifestation and course, taking into account age-related aspects. Possess the skills of basic medical treatment, diagnostic and preventive measures to provide medical care to the population in case of viral hepatitis, anemia (hypoplastic and hemolytic), thrombocytopenia. Possess the initial skills of maintaining current accounting medical documentation, including in information systems. Integrates knowledge and skills to ensure an individual app treatment of a particular patient; to teach to make professio based on the analysis of the rationality of diagnostics and the of evidence-based medicine. Demonstrate communication skills, teamwork skills, organ management of diagnostic and treatment process. Apply knowledge of the principles and methods of forming lifestyle, including healthy family lifestyle. 	 Professor Parveen Kumar, Dr Michael Clark, 2012 5. Pocket MEDICINE Fourth Edition, by MARC S. SABATINE, M.D., M.P.H. 2011 6. Davidson's principles and practice of 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

		7. Demonstrate commitment to professional values such as altraishiptodate.com
		compassion, empathy, responsibility, honesty and confidentiality.
		8. Demonstrate abilities and needs for continuous professional training and
		improvement of their knowledge and skills of professional activity.
		9. Demonstrate initial researcher skills.
		10. Knows morphological diagnostics (Knodell index, fibrosis
		level assessment - Metavir). Outcomes. Primary
		prevention, vaccination of the population and risk groups.
		11. Differential diagnosis of the main syndromes in liver
		pathology: cholestasis, cytolytic, hepatocellular
		insufficiency, portal hypertension, ascites, diffuse change,
		volumetric formation in the liver, etc.
		12. Treatment with antiviral drugs - standard antiviral therapy
		for hepatitis C, hepatitis B, $B + C$, $B + D$. The main
		indications and contraindications for the appointment of
		antiviral therapy. Predictors of treatment effectiveness.
		13. Features of the functional state of the blood system in
		oncological patients. Features of the functional state of the
		blood system in liver diseases, alcoholism, kidney
		diseases, chronic inflammation (rheumatic diseases),
		infectious diseases, HIV. Aplastic anemia, aplastic
		syndrome and partial red cell aplasia.
		14. Knowledge of hemograms, myelograms, trepanobiopsy
		data, specific tests, morphological changes in formed
		elements in blood smears. Principles of treatment.
		Dispensary monitoring.
20	Liver	1. Identify and interpret clinical symptoms and syndromes, 1. HARRISON'S Gastroenterology and Formative
20	cirrhosis.	data from laboratory and imaging methods of examination Hepatology, edited by Dan L. Longo, MD, assessment:
	Complic	in patients with liver cirrhosis, tumor of the Anthony S. Fauci, MD, Carol A. Langford, 1. Using active
	ations of	gastrointestinal tract, their typical manifestation and MD, MHS, 2010 II. Langford, II. Cosing active
	liver	course, taking into account age-related aspects.
	cirrhosis.	2. Possess the skills of basic medical treatment, diagnostic Berg, Rockstroh, Sarrazin, Wedemeyer. 2. Working with the
	Gastroint	and preventive measures to provide medical care to the 2016 2016 2016 2016
	estinal	population with cirrhosis of the liver, tumors of the 3. Sherlock's diseases of the liver and biliary 3. Training in the
	tumors	gastrointestinal tract.
	Carrons	James, Anna S.F.Lok, Andrew
L		James, Anna S.I.Lok, Andrew

3. Possess the initial skills of maintaining current accounting arki. Bapwruighs, E.Jenny Heathcote, 2002	4. Mini-conference
medical documentation, including in information systems. 4. Medscape.com	of the IWS topics
4. Integrates knowledge and skills to ensure an individual approadlip to that e.com	
treatment of a particular patient; to teach to make profession 6. Oxfoidms ed cine.com	
based on the analysis of the rationality of diagnostics and the?pfincelpyesnedics.com	
of evidence-based medicine. 8. medline.com	
5. Demonstrate communication skills, teamwork skills, organizatibutpar/dnedelement.com/	
management of diagnostic and treatment process.	
6. Apply knowledge of the principles and methods of forming a healthy	
lifestyle, including healthy family lifestyle.	
7. Demonstrate commitment to professional values such as altruism,	
compassion, empathy, responsibility, honesty and confidentiality.	
8. Demonstrate abilities and needs for continuous professional training and	
improvement of their knowledge and skills of professional activity.	
9. Demonstrate initial researcher skills.	
10. Knows the morphological classification according to	
Metavir, Knodell. Treatment. The main groups of drugs.	
Mechanism of action. Management of patients with	
cirrhosis of the liver. Indications for porto-caval shunting,	
liver transplantation (the concept of MELD). Management	
of the patient after liver resection, liver transplantation -	
the concept.	
11. The syndrome of portal hypertension. Complications:	
bleeding from varicose veins of the esophagus, portal	
gastropathy. Emergency care for bleeding from varicose	
veins of the esophagus, primary and secondary prevention.	
Hepatic encephalopathy. Evaluation of hepatic	
encephalopathy. Acute hepatic encephalopathy, causes of	
development. Severity assessment. Urgent care.	
12. Ascites and complications of ascites. Steps in the treatment	
of ascites. Refractory ascites, causes. Lapaprocentesis.	
Spontaneous bacterial peritonitis. Hepato-renal syndrome,	
hepato-pulmonary syndrome.	
13. Hepatocellular carcinoma. Criteria for diagnosis. The role	
of alphafetoprotein and ultrasound screening in diagnosis.	
PIVKA. Primary prevention.	

21	Diabetes mellitus. Emergen cies in diabetes mellitus. Obesity and metaboli c syndrom e	 14. Tumors of the esophagus, stomach. Criteria for diagnosis. Methods for early detection of the disease. The role of endoscopy and biopsy in diagnosis. Prevention. 15. Tumors of the intestine. Clinical manifestations. Methods of diagnosis and treatment. 1. Apply knowledge of the etiology of type 1 and type 2 diabetes in the process of diagnosis and treatment. 2. Be able to conduct targeted questioning and physical examination, taking into account age characteristics in patients with type 1 and type 2 diabetes. 3. Identify and use diagnostic and therapeutic interventions to differentiate between type 1 and type 2 diabetes. 4. Interpret the basic data of laboratory diagnostics. 5. Integrate knowledge for the identification and differential diagnosis of emergency conditions in diabetes. 6. Know the classification, mechanism of action, pharmacokinetics, side effects, indications and contraindications of insulins. 7. Demonstrate the skills of independent work, effective communication in the learning process and teamwork, skills of working with information resources. 8. Hypoglycemic, hyperosmolar and lactacidemic coma: causes, pathogenesis, clinic, treatment. 9. Obesity and metabolic syndrome. Definition. Pathogenesis. Clinical manifestations, forms. Diagnosis and principles of therapy of metabolic syndrome. 10. Classes of lipoproteins (LP), fatty acids, phospholipids. 	 HARRISON'S Endocrinology, 2nd edition, by J. Larry Jameson, MD, PhD, 2010 Oxford Handbook of Endocrinology and Diabetes, Third edition, 2014 Harrison's Principles of internal medicine, 2022 Signs & Symptoms IN PEDIATRICS, by Henry M. Adam, MD, FAAP Jane Meschan Foy, MD, FAAP, 2015 PRINCIPLES of PHARMACOLOGY, Fourth Edition, 2017 medline.com https://medelement.com/ Medscape.com Uptodate.com 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics
		Clinical manifestations of dyslipidemia. Laboratory diagnosis of disorders.		
22	Diseases	1. Identify and interpret clinical symptoms and syndromes,	1. HARRISON'S Endocrinology, 2 nd	Formative
	of the	laboratory and imaging data in patients with thyroid and	edition, by J. Larry Jameson, MD, PhD,	assessment:
	thyroid	parathyroid diseases (Thyrotoxicosis. Thyrotoxic heart.	2010	1. Using active
	and	Thyrotoxic crisis. Hypothyroidism. Autoimmune	2. Oxford Handbook of Endocrinology and	learning methods:
	parathyr	thyroiditis (Hashimoto's goiter). Endemic goiter.	Diabetes, Third edition, 2014	TBL
	oid	Hypercalcemia and hypocalcemia. Hypoparathyroidism),	3. Harrison's Principles of internal	2. Working with the
	glands	their typical manifestation and course, taking into account	medicine, 2022	patient
		age-related aspects.	4. PRINCIPLES of PHARMACOLOGY,	

				E (1 E 1) (1 O 0 1 Z	
			2. Possess the skills of basic medical treatment, diagnostic	Fourth Edition, 2017	3. Training in the
			and preventive measures to provide medical care to the	5. medline.com	simulation center
			population in diseases of the thyroid gland and parathyroid	6. https://medelement.com/	4. Mini-conference
			glands (Thyrotoxicosis. Thyrotoxic heart. Thyrotoxic	7. Medscape.com	of the IWS topics
			crisis. Hypothyroidism. Autoimmune thyroiditis	8. Uptodate.com	
			(Hashimoto's goiter). Endemic goiter. Hypercalcemia and		
			hypocalcemia. Hypoparathyroidism).		
			3. Possess the initial skills of maintaining current accounting a		
			medical documentation, including in information systems.		
			4. Integrates knowledge and skills to ensure an individual app		
			treatment of a particular patient; to teach to make profession		
			based on the analysis of the rationality of diagnostics and the		
			of evidence-based medicine.		
			5. Demonstrate communication skills, teamwork skills, organi		
			management of diagnostic and treatment process.		
			6. Apply knowledge of the principles and methods of forming		
			lifestyle, including healthy family lifestyle.		
			7. Demonstrate commitment to professional values such as alt		
			compassion, empathy, responsibility, honesty and confident		
			8. Demonstrate abilities and needs for continuous professiona		
			improvement of their knowledge and skills of professional		
			9. Demonstrate initial researcher skills.		
23	Diseases	1.	Be able to conduct targeted questioning and physical	1. HARRISON'S Endocrinology, 2 nd	Formative
	of the		examination, taking into account age characteristics in patients	edition, by J. Larry Jameson, MD, PhD,	assessment:
	hypothal		with endocrine pathology.	2010	1. Using active
	amic-	2.	Identify and use diagnostic and therapeutic interventions	2. Oxford Handbook of Endocrinology and	learning methods:
	pituitary		related to the adrenal glands.	Diabetes, Third edition, 2014	TBL
	system	3.	Interpret the basic data of laboratory and visual diagnostics of	3. Harrison's Principles of internal	2. Working with the
	and		the pathology of the adrenal glands.	medicine, 2022	patient
	adrenal	4.	Integrate knowledge to identify the main pathologies of the	4. PRINCIPLES of PHARMACOLOGY,	3. Training in the
	glands		adrenal glands: Hyperaldosteronism, Hypercorticism	Fourth Edition, 2017	simulation center
	5		Syndrome, Hycorticism Syndrome, Addison's Disease,	5. medline.com	4. Mini-conference
			Pheochromocytoma, Acute Adrenal Insufficiency, Waterhouse-	6. https://medelement.com/	of the IWS topics
			Frederiksen Syndrome, Itsenko-Cushing's Syndrome.	7. Medscape.com	
		5.	Know the classification, mechanism of action,	8. Uptodate.com	
			pharmacokinetics, side effects, indications and	- 1	
L			r and the second se		

		contraindications of the main drugs for the treatment of		
		adrenal pathology: Spironolactone, Calcium channel blockers,		
		Alpha-adrenoblockers (Doxazosin), Hydrocartisone,		
		Fludrocortisone.		
		6. Demonstrate the skills of independent work, effective		
		communication in the learning process and teamwork, skills of working with information resources.		
		7. Identify, use and interpret diagnostic and therapeutic		
		interventions related to hypothalamic-pituitary system (HPS).		
		8. Interpret the main data of laboratory and visual diagnostics of		
		HPS.		
		9. Know the pathogenesis of clinical manifestations in pathology of HPS.		
		10. Integrate knowledge to identify the main pathology of HPS:		
		Acromegaly, Gigantism, Diabetes Insipidus,		
		Hyperprolactinemia, S. Shikhana, Secondary hypothyroidism,		
		Nephrogenic diabetes insipidus, Hypogonadism.		
		11. Know the classification, mechanism of action,		
		pharmacokinetics, side effects, indications and		
		contraindications of the main drugs for the treatment of HPS:		
		Dopamine agonists (Cabergoline, Bromkriptine), Somatostain		
		drugs (Somatulin, Octreotide), Desmopressin analogs		
		(Minirin), Testosterone analogs, Levothyroxine.		
		12. Know, be able to diagnose and treat various pathologies of HPS.		
		13. Demonstrate the skills of independent work, effective		
		communication in the learning process and teamwork, skills of		
		working with information resources.		
24	Major	1. Knows the pathogenesis and differential diagnosis of the	1. HARRISON'S Endocrinology, 2 nd	Formative
	syndrom	main syndromes in nephrology: hematuria, proteinuria,	edition, by J. Larry Jameson, MD, PhD,	assessment:
1	es in	nephritic syndrome, nephrotic syndrome, renal failure	2010	1. Using active
	kidney	syndrome (acute renal pathology, end-stage chronic kidney	2. Oxford Handbook of Endocrinology and	learning methods:
1	disease,	disease), dysuria, arterial hypertension, pain syndrome,	Diabetes, Third edition, 2014	TBL
1	urinary	tubulointerstitial syndromes.	3. Harrison's Principles of internal	2. Working with the
	tract	2. Apply knowledge on the pathogenesis of urinary tract	medicine, 2022	patient
	infection	infections in the process of diagnosis and treatment.	4. PRINCIPLES of PHARMACOLOGY,	

3. Conduct targeted questioning and physical examination, taking into account age characteristics in patients with	Fourth Edition, 2017 5. medline.com	3. Training in the simulation center
UTI.	6. https://medelement.com/	4. Mini-conference
4. Identify and differentiate complicated and uncomplicated	7. Medscape.com	of the IWS topics
UTIs, infections of the upper (pyelonephritis) and lower	8. Uptodate.com	
urinary tract (cystitis, urethritis).	9. Harrison's nephrology and acid-base	
5. Integrate knowledge to identify and differential diagnosis	disorders/ J. Larry Jameson, 2010	
of the main manifestations of UTI, urolithiasis.	10. Nephrology secrets. —3 rd ed. / Edgar V.	
6. Substantiate and prescribe examination methods, with the	Lerma, Allen R. Nissenson, New York 2012	
interpretation of the results of laboratory and instrumental		
diagnostics of UTI.		
7. Apply the principles of diagnosis and treatment, taking		
into account the clinical and laboratory manifestations of		
UTI.		
8. Know the classification, mechanism of action,		
pharmacokinetics, side effects, indications and		
contraindications of the main drugs for the treatment of		
UTIs - antibacterial drugs, uroseptics, antimicrobials,		
antispasmodics, litholytics.		
9. Demonstrate the skills of independent work, effective		
communication in the learning process and teamwork,		
skills of working with information resources.		
10. Apply knowledge on the pathogenesis of nephrotic		
syndrome in the process of diagnosis and treatment.		
11. Conduct targeted questioning and physical examination,		
taking into account age characteristics in patients with		
nephritic syndrome.		
12. Identify and differentiate edematous syndrome, proteinuria syndrome.		
13. Integrate knowledge to identify and differential diagnosis		
of the main manifestations of nephritic syndrome.		
14. Substantiate and assign methods of examination, with the		
interpretation of the results of laboratory and		
morphological diagnosis of nephritic syndrome.		
morphological diagnosis of heplittle syndrome.		l

		 15. Apply the principles of diagnosis and treatment, taking into account the clinical and morphological manifestations of nephrotic syndrome. 16. Differentiate the morphological manifestations of nephrotic syndrome with clinical and morphological parallels. 17. Know the classification, mechanism of action, pharmacokinetics, side effects, indications and contraindications of the main drugs for the treatment of nephrotic syndrome - corticosteroids, cytostatics, diuretics, ACE inhibitors, CCBs, etc. 18. Demonstrate the skills of independent work, effective communication in the learning process and teamwork, skills of working with information resources. 19. Acute and chronic tubulointerstitial nephritis: medicinal, infectious, idopathic, with tumors, heavy metal intoxication Secondary kidney damage in diseases of internal organs: hypertensive nephropathy and nephroangiosclerosis, diabetic, gouty, paraneoplastic nephropathy. Kidneys during aging (involutive changes), vascular lesions of the kidneys, features of the course of 		
25	Glomeru lar diseases	 kidney diseases, principles of treatment. 1. Apply knowledge on the pathogenesis of nephritic syndrome in the process of diagnosis and treatment. 2. Conduct targeted questioning and physical examination, taking into account age characteristics in patients with nephritic syndrome. 3. Integrate knowledge to identify and differentially diagnose the main manifestations of nephritic syndrome. 4. Substantiate and assign methods of examination, with the interpretation of the results of laboratory and morphological diagnosis of nephritic syndrome. 5. Apply the principles of diagnosis and treatment, taking into account the clinical and morphological manifestations of nephritic syndrome. 6. Differentiate morphological manifestations of nephritic 	 Harrison's nephrology and acid-base disorders/ J. Larry Jameson, 2010 Nephrology secrets. —3rd ed. / Edgar V. Lerma, Allen R. Nissenson, New York 2012 Harrison's Principles of internal medicine, 2022 PRINCIPLES of PHARMACOLOGY, Fourth Edition, 2017 medline.com https://medelement.com/ Medscape.com Uptodate.com 	Formative assessment: 1. Using active learning methods: TBL 2. Working with the patient 3. Training in the simulation center 4. Mini-conference of the IWS topics

		syndrome with clinical and morphological parallels.		
		7. Know the classification, mechanism of action,		
		pharmacokinetics, side effects, indications and		
		contraindications of the main drugs for the treatment of		
		nephritic syndrome - ACE inhibitors, CCBs, diuretics,		
		corticosteroids, cytostatics.		
		8. Demonstrate the skills of independent work, effective		
		communication in the learning process and teamwork,		
		skills of working with information resources.		
		9. Morphological variants of glomerulopathies: MCGN		
		(minimal change glomerulonephritis), FSGN (Focal		
		segmental glomerulosclerosis), membranous nephropathy,		
		MPGN types 1,2,3 (membranoproliferative		
		glomerulonephritis); mesangial glomerulonephritis.		
		10. Has an idea about the syndrome of rapidly progressive		
		glomerulonephritis. Principles of diagnostics. Hemolytic-		
		uremic syndrome, Thrombotic microangiopathies. Features		
		of kidney damage in systemic connective tissue diseases		
		(SLE - systemic lupus erythematosus, SSD - systemic		
		scleroderma), with systemic vasculitis (polyarteritis		
		nodosa, mixed cryoglobulinemia, hemorrhagic vasculitis,		
		Wegener's granulomatosis, Churg-Strauss syndrome,		
		microscopic polyangiitis); Goodpasture's syndrome,		
		Antiphospholipid syndrome. Features of antibodies to the		
		cytoplasm of neutrophils - dependent glomerulonephritis.		
		11. Knows the differential diagnosis of preeclampsia and		
		eclampsia of pregnancy and glomerulonephritis. Features		
		of treatment and management of patients with kidney		
		pathology during pregnancy. Emergency care for		
		preeclampsia and eclampsia of pregnant women.		
26	Acute	1. Know the etiology, pathogenesis and classification of acute	1. Harrison's nephrology and acid-base	Formative
	kidney	renal pathologies. RIFLE classification.	disorders/ J. Larry Jameson, 2010	assessment:
	injury	2. Identify and differentiate clinical symptoms and syndromes	2. Nephrology secrets. —3rd ed. / Edgar V.	1. Using active
		in renal insufficiency.	Lerma, Allen R. Nissenson, New York 2012	learning methods:
		3. Conduct targeted questioning and physical examination,	3. Harrison's Principles of internal	TBL
		taking into account age characteristics in patients with renal	medicine, 2022	

		·		A W/ 1 * * 1 · 1
		insufficiency.	4. PRINCIPLES of PHARMACOLOGY,	2. Working with the
		4. Substantiate and prescribe examinations with the	Fourth Edition, 2017	patient
		interpretation of the results of laboratory and instrumental	5. medline.com	3. Training in the
		methods of examination.	6. https://medelement.com/	simulation center
		5. Integrate knowledge for the detection and differential	7. Medscape.com	4. Mini-conference
		diagnosis of acute kidney injury and chronic kidney disease.	8. Uptodate.com	of the IWS topics
		6. Apply the principles of diagnosis and treatment taking into		
		account age-related features.		
		7. Identify and assess the severity of acute kidney injury to		
		address the issue of connecting renal replacement therapy -		
		acute dialysis.		
		8. Know the features of the pharmacokinetics and		
		pharmacodynamics of the main drugs used in nephrology,		
		depending on the decrease in kidney function.		
		9. Carry out diagnostics and treatment of disorders of ionic and		
		acid-base homeostasis.		
		Demonstrate the skills of independent work, effective		
		communication in the learning process and teamwork, skills of		
		working with information resources.		
27	Chronic	1. Know the etiology, pathogenesis and classification of	1 07	Formative
	kidney	chronic kidney disease (CKD).	disorders/ J. Larry Jameson, 2010	assessment:
	disease	2. Identify and differentiate clinical symptoms and syndromes	2. Nephrology secrets. —3rd ed. / Edgar V.	1. Using active
		in renal insufficiency.	Lerma, Allen R. Nissenson, New York 2012	learning methods:
		3. Conduct targeted questioning and physical examination,	3. Harrison's Principles of internal	TBL
		taking into account age characteristics in patients with renal	medicine, 2022	2. Working with the
		insufficiency.	4. PRINCIPLES of PHARMACOLOGY,	patient
		4. Substantiate and prescribe examinations with the	Fourth Edition, 2017	3. Training in the
		interpretation of the results of laboratory and instrumental	5. medline.com	simulation center
		methods of examination.	6. https://medelement.com/	4. Mini-conference
		5. Integrate knowledge for the detection and differential	7. Medscape.com	of the IWS topics
		diagnosis of acute kidney injury and chronic kidney disease.	8. Uptodate.com	-
		6. Apply the principles of diagnosis and treatment taking into	_	
		account age-related features.		
		7. Identify and assess the severity of chronic kidney disease to		
		address the issue of connecting renal replacement therapy -		
		program hemodialysis (chroniodialysis).		
		program hemodialysis (chroniodialysis).		

 8. Know the features of the pharmacokinetics and pharmacodynamics of the main drugs used in nephrology, depending on the decrease in kidney function. 9. Carry out diagnostics and treatment of disorders of ionic 	
and acid-base homeostasis.	
10. Carry out renoprophylaxis, correction of anemia, arterial	
hypertension, metabolic acidosis in the early stages of CKD.	
Demonstrate the skills of independent work, effective	
communication in the learning process and teamwork, skills of	
working with information resources.	

RUBRICATOR FOR ASSESSING LEARNING OUTCOMES with summative assessment

Rating calculation formula

For the 4th course as a whole- overall admission rating (OAR)

Medical history	30%
Border control 1	70%
Total for BC-1	100%
360 rating	10%
Science project	10%
Medical history	20%
Border control 2	60%
Total for BC -2	100%

Final score: OAR 60% + exam 40% **Exam (2 stages)** – MSQ testing (40%) + OSKE (60%)

Team based learning – TBL

	%
Individual (IRAT)	30
Group (GRAT)	20
Appeal	10
Case rating -	30
Companion rating (bonus)	10
	100%

Case-based learning CBL

		%
1	Interpreting survey data	10
2	Interpretation of physical examination findings	10
3	Preliminary diagnosis, justification, PD, examination plan	10
4	Interpretation of lab-instrumental examination data	10
5	Clinical diagnosis, problem sheet	10
6	Management and treatment plan	10
7	The validity of the choice of drugs and treatment regimens	10
8	Evaluation of effectiveness, prognosis, prevention	10
9	Special problems and questions on the case	10
10	Companion rating (bonus)	10
		100%

360° assessment checklist for student **CURATOR and Lecturer**

 FULL NAME of Curator
 Signature

	Very well	Criteria and points	Unsatisfactory
1	Constantly preparing for classes:	Preparing for classes	Constantly not preparing for class
	For example, backs up statements with relevant references,		For example, insufficient reading and study of
	makes short summaries	1086420	problematic issues, makes little contribution to the
	Demonstrates effective teaching skills, assists in teaching		knowledge of the group, does not analyze, does not
	others	A '1 '1''	summarize the material.
2	Takes responsibility for their own learning:	A responsibility	Takes no responsibility for their own learning:
	For example, manages their learning plan, actively tries to improve, critically evaluates information resources	1086420	For example, depends on others to complete the learning plan, hides mistakes, rarely critically
	improve, entically evaluates information resources	1000420	analyzes resources.
3	Actively participates in the training of the group:	Participation	
-	For example, actively participates in discussions, willingly	- un one-putton	Not active in the group training process:
	takes tasks	1086420	For example, does not participate in the discussion
			process, is reluctant to accept assignments
4	Demonstrates effective group skills	Group skills	Demonstrates ineffective group skills
	For example, takes the initiative, shows respect and		For example, inappropriately intervening, showing
	correctness towards others, helps to resolve	1086420	poor discussion skills by interrupting, avoiding or
_	misunderstandings and conflicts.	<u> </u>	ignoring others, dominating or impatient
5	Skilled in communicating with peers: For example, actively listening, receptive to non-verbal and	Communications	Difficulty communicating with peers
	emotional cues	1086420	For example, poor listening skills, unable or disinclined to listen to non-verbal or emotional
	Respectful attitude		cues
			Use of obscene language
6	Highly developed professional skills:	Professionalism	Clumsy, fearful, refusing to try even basic
	Eager to complete tasks, seek opportunities for more learning,		procedures
	confident and skilled	1086420	
	Compliance with ethics and deontology in relation to patients		Inferiority in professional behavior - causing harm
	and medical staff		to the patient, rude disrespectful attitude towards
	Observance of subordination.		medical staff, colleagues
7	High introspection:	Reflection	Low introspection:

	For example, recognizes the limitations of their knowledge or abilities without becoming defensive or rebuking others.	1086420	For example, needs more awareness of the limits of understanding or ability and does not take positive steps to correct
8	Highly developed critical thinking:	Critical thinking	Critical Thinking Deficiency:
	For example, appropriately demonstrates skill in performing		For example, has difficulty completing key tasks.
	key tasks such as generating hypotheses, applying knowledge	1086420	As a rule, does not generate hypotheses, does not
	to case studies, critically evaluating information, drawing		apply knowledge in practice either because of their
	conclusions aloud, explaining the process of thinking		lack or because of inability (lack of induction), does
			not know how to critically evaluate information
9	Fully adheres to the rules of academic conduct with	Compliance with the	Пренебрегает правилами, мешает другим
	understanding, suggests improvements in order to increase	rules of academic	членам коллектива
	efficiency.	conduct	Neglects the rules, interferes with other members
	Complies with the ethics of communication - both oral and		of the team
	written (in chats and appeals)	1086420	
10	Fully follows the rules with full understanding of them,	Compliance with the	Breaks the rules.
	encourages other members of the group to adhere to the rules	rules of conduct in the	Encourages and provokes other members of the
	Strictly adheres to the principles of medical ethics and	hospital	group to break the rules
	PRIMUM NON NOCERE	1086420	Creates a threat to the patient
	Maximum	100 points	

* gross violation of professional behavior, rules of conduct in the hospital - or a decrease in the grade for boundary control or cancellation; ethical committee

Such violations are a threat to the health of patients due to action (for example, smoking on the territory of the hospital) or inaction; rudeness and rudeness towards any person (patient, classmate, colleague, teacher, doctor, medical staff)

Patient complaints: major and ninor	Excellent	Good	Satisfactory		
			Suisjaciory	Need correction	Bad
	Completely and systematically, with an	Accurate and complete	basic information	Incomplete or inaccurate, some	Misses important
Collecting an anamnesis of the lisease	understanding of important details			details are missing	
Anamnesis of life					
Objective status - general examination	Completely and systematically, with an understanding of important details	Consistently and correctly	Identification of main data	Incomplete or not quite correct, not attentive to patient comfort	Inappropriate data
Nervous system		Complete, effective, technically correct application of all examination skills, physical examination with minor errors, or corrected during execution	Revealed basic data Physical examination skills learned	Incomplete or Inaccurate Physical examination skills need to be improved	Important data are missing. Inappropriate physical examination skills
Medical history presentation	Maximum full description and presentation Understands the problem in a complex, connects with the patient's features	precise, focused; choice of facts shows understanding	Record is by form, includes all basic information;	Many important omissions, inaccurate or unimportant facts are often included	Lack of control of the situation, many important omissions, many clarifying questions
l	Medical history presentation	and presentation Understands the problem in a complex, connects	and presentationchoice of factsUnderstands the problemshows understandingin a complex, connectsshows understanding	and presentationchoice of factsform, includes allUnderstands the problemshows understandingbasic information;in a complex, connects	and presentationchoice of factsform, includes allomissions, inaccurateUnderstands the problemshows understandingbasic information;or unimportant factsin a complex, connectsare often included

Point-rating assessment (check-list) of medical history management (maximum 100 points)

	management						
		10	8	4	2		
1	Problem	The organized concentrated,	Organized, the concentrated,	Not the concentrated,	Inaccurate, misses the main		
	solving	allocates all questions which are	allocates all questions which are	Derivation on the questions	thing, disharmonious data.		
		falling into to the main revealed	falling into to the main revealed	which are not falling into to the			
		problem with a comprehension	problem, but there is no	main revealed problem			
		of a concrete clinical situation	comprehension of a concrete				
			clinical situation				
2	Information	All necessary information on a	All necessary information in a	All necessary information on a	Important information on a		
		subject in the free, serial,	logical manner, but with	subject is explained chaotically,	subject, gross errors is not		
		logical manner is completely	shallow inaccuracies is	with not gross errors	reflected		
		conveyed	conveyed				
		The product form is adequately					
		chosen					
3	Significance	Material is chosen on the basis	Some conclusions and the	Not the sufficient	Conclusions and the		
		of authentically established	conclusions are formulated on	comprehension of a problem,	conclusions are not proved or		
		facts.	the basis of assumptions or the	some conclusions and the	irregular		
		Manifestation of a	incorrect facts. There is no	conclusions are based on the			
		comprehension on the level or	complete comprehension of	inexact and not proved data –			
		quality of proofs	level or quality of proofs	doubtful resources are used			
4	Logic	logical and well reasoning, has	Has internal unity, provisions of	There is no sequence and	Jumps from one on another, it is		
		internal unity, provisions in a	a product one of another	logicality in statement, but it is	difficult to catch the main idea		
		product follow one of another	follows, but there are	possible to keep track of the			
		and are logically interdependent	inaccuracies	main idea			
_		between themselves					
5	Recourses	Literary data are submitted in	Literary data show study of the	Only ordinary recourses	Inconsistency and randomness		
		logical interrelation, show deep	main literature		in statement of data, an		
		study of the main and padding			inconsistency		
		informational resources			There is no knowledge of the		
					main textbook		

Point-rating assessment (check-list) of the ISW (independent student's work) - creative task (maximum 90 points) + bonuses for English and time management

					Using of Google	
6	Practical application	High	Good	moderate	no	
7	Patient focusing	High	Good	moderate	no	
8	Applicability in future practice	High	Good	moderate	no	
9	Presenation	Correctly, to the place all opportunities of Power Point or other e-softs, the free possession of material, a sure manner of statement are used	It is overloaded or are insufficiently used visual materials, inexact possession of material	Visual materials are not informative	Does not own material, is not able to explain it	
b o n u s	Time management*	10 For before deadline	In time	Good quality but a little late Minus 2-4	After deadline more than 24 hours Minus 10	
b o n u s	Rating**	10 points additional	Outstanding work, for example: The best work in group Creative approach Innovative approach to realization of a task According to the proposal of group			
	* The deadline is determined by the teacher, as a rule - the day of the boundary control ** thus, you can get 90 points as much as possible, to get above 90-you need to show a result higher than expected					