MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ
 MEDICAL АСАДЕМҮ АО «Южно-Казахстанская медицинская академия»

 Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», «Pharmacology, Pharmacotherapy And Clinical Pharmacology»
 044-47/11 1стр. из 104

 Working curriculum (syllabus) on the module "Man and disease"
 044-47/11

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OŃTÚSTIK QAZAQSTAN

## Educational program "6B10101 – General medicine"

SOUTH KAZAKHSTAN

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1.	General information about the discipline		
1.1	Code of the module "Health and disease": POS	1.6	Academic Year: 2023-2024
	3202-2;		
	POS 3202-1; PVB 3302-2;		
	PDB 3303-2; Farm 3301-2		
	Names of disciplines:		
	1. Propaedeutic of internal diseases.		
	2. Propaedeutics of childhood diseases-2		
	3.Pathological Physiology of organs and systems		
	4.Pathology of organs and systems		
	5.Pharmacology-2		
1.2	Module name: Human and disease	1.7	Course: 3
1.3	Prerequisites: «Introduction to the clinic"	1.8	Semester: VI
	Module "Morphology and physiology"		
1.4	Post-requirements: "Fundamentals of internal	1.9	Number of credits (ECTS): 25
	diseases", "Fundamentals of surgical diseases",		
	"Fundamentals of Obstetrics and Gynecology",		
	"Fundamentals of childhood diseases"		
1.5	Cycle:	1.10	Component: BD
2.	The content of the discipline (no more than 50 wo	rds)	
The mo	odule provides for the study of the basics of semiotic	s, syndroi	mology, basic parameters of laboratory
researc	h, questions of etiology, pathogenesis, morphog	genesis, r	norphology of frequently occurring
patholo	gical processes of organs and systems, acquisition of s	skills in ch	noosing medicines for major syndromes
of inter	rnal diseases, which will allow the future specialist to	o apply th	e knowledge gained for the diagnosis,
treatme	ent, prevention of diseases, acquire skills of clinical this	nking and	research
3.	Summative assessment form		
3.1	MCQ test +	3.5	Coursework
3.2	Written	3.6	Essay
3.3	Verbal	3.7	Project
3.4	OSPE/OSE or reception of practical skills +	3.8	Other (specify)
4.	Module objectives		
Format	ion of a holistic view of the main symptoms and synd	romes of a	liseases of internal organs and systems.

Formation of a holistic view of the main symptoms and syndromes of diseases of internal organs and system as well as methods of their research.

Ensuring the achievement of final learning outcomes based on the joint study of propaedeutic of internal and pediatric diseases with fundamental disciplines.

Formation of clinical thinking skills based on knowledge of the pathophysiological mechanisms of the course, path anatomic changes, complications and outcome of diseases, physical and clinical laboratory methods of examinations and the choice of medicines in adults and children with the main clinical syndromes of internal diseases.

Formation of research skills by analyzing scientific articles, performing experimental research and project activities.

5.	Final learning outcomes (LO module)
LO 1	Demonstrates knowledge and understanding of the basics of semiotics and syndromology, etiology,
	pathogenesis and morphogenesis of pathological changes in organs and systems
LO 2	Knows the methods of questioning, physical examination of adults and children, uses clinical thinking
	in collecting information when drawing up a survey plan; outlines the scope of basic and additional

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	studies to	clarify t	he lesion syn	drome							
LO					on wł	nen interpr	eting the result	s of morphological,			
								f internal organs and			
				ic diagnosis; fills							
LO								eir family members,			
				· 1			1	, their relatives and			
	colleagues						0 1	, ,			
LO	5 Determine	es path	ological pro	cesses at the o	rgan	and cellu	lar levels, inte	erprets data on the			
		hophysiology and morphology of diseases taking into account the clinical data of patients, makes									
	conclusion	ns, explains the patterns of complications and outcomes of pathology of organs and systems,									
	evaluates	the resu	the results of experimental studies								
LO	6 Selects m	edicines	in accordance	ce with the diagr	nosis,	prescribes	prescriptions, de	etermines the dosage			
	regimen, 1	recogniz	es the undesi	rable effects of m	edicir	les, predict	s the developme	nt of side effects and			
	drug inter										
LO		-		· ·	•	-		ture, effectively uses			
			ical databases	, executes a proje	ect, de	monstrates	a desire for con	tinuous improvement			
	of its activ	1									
5.1		The r	esults of the	training of the E	P, wh	ich are ass	sociated with th	e LO module			
	module		D :1 /	1	• .1	<u> </u>	1. 1 1	1 .1 . 1 . 1			
	LO 1 LO4		1	ent-centered care al sciences for the				al, epidemiological			
	L04	and so	clo-denaviora	al sciences for the	most	common d	ilseases.				
	LO 4	103	Adheres to th	ne rules of ethics,	deont	ology and s	subordination d	emonstrates			
								ion exchange and			
		-		atients, their famil				ion exenange and			
	LO2	-	*					ment, prevention of			
	LO6			forms of diseases							
	LO3					organizes	s self-monitori	ng and continuous			
			vement of its			-		-			
	LO7	LO 7	. Applies sci	entific principles	s, met	hods and	knowledge in r	nedical practice and			
		resear	ch. Capable c	of continuous self	-educa	ation and de	evelopment. Intr	oduces new methods			
			e clinical pra								
	LO5				es qu	alified and	urgent medical	care for urgent and			
			reatening con								
6.			tion about th			0	· ·				
6.1			· •	-			Diseases": клини	ика «Park Health»;			
				dress: <u>propedevti</u>			II. anital" A	nhalrova 105 Emil			
	address: p			The Regional Cl	marer	is Clinical	nospital . Argy	nbekova 125. Email			
	-			d Forensic Media	ine s		ding 2 IV floor	, auditorium -№404			
				-mail patan.gisto			ang 2, 1 v 11001,	, uuunonuni -,1≚⊤0⊤			
		·	· · ·	1 0			harmacology: S	KMA, Al-Farabi			
								Phone (ATS) 40-82-			
	06, int. 22		,	, , <del> ,</del> ,	,	, , , , = . 0					
6.2			Lectures	Prac.classes	Lab.	classes	SIWT	SIW			
	of the mod	dule	75	175			150	300			
7.	Information	about	teachers								
N⁰	Name		Degree and	E-mail addr	ess	Scientific	c interests, etc	Progress			
			position								

Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 3стр. из 104 Working curriculum (syllabus) on the module "Man and disease" Department of "Propaedeutics of internal Diseases" 1 Bekmurzayeva Head of the Elmira-bek@mail.ru Scientific work: Author of more than 260 scientific "Clinical and hygienic Elmira Department, features Kuanyshevna MD. of the and Professor formation of diseases methodological of the digestive organs publications, 2 in workers of modern textbooks, 9 oil refining production textbooks. (on the example of Certificate of JSC "SHNOS")". therapist, gastroenterologist and rheumatology of the highest category.2005 -Doctor of Medical Sciences, approved by the Higher Attestation Commission of the Republic of Kazakhstan (diploma GC No. 0000379), (14.00.50 -"Occupational Medicine"), Professor in the specialty "Medicine" (diploma PR No. 0000446), Higher Attestation Commission of the Republic of Kazakhstan. Under the leadership of E.K. Bekmurzayeva, 3 candidates of medical sciences were trained, who received approval from the Committee for Control and Certification in the Field of Education and Science of the Ministry of

cdbc

SKMA

<u>, 11.</u>

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«Оңтүстік Қазақстан медицина академиясы» АҚ

MEDISINA

AKADEMIASY

SOUTH KAZAKHSTAN

АСАDEMY АО «Южно-Казахстанская медицинская академия»

Education and

MEDICAL

«Оңтүстік Қазақстан медицина академиясы» АҚ ХО «Южно-Казахстанская ме Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic «Pharmacology, Pharmacotherapy And Clinical Pharmacology»	едицинская академия»
Working curriculum (syllabus) on the module "Man and disease"	
	Medicine», 044-47/11

		AKADI	DISINA (SKMA) MEDICA EMIASY (1979- NILL ACADEM	٩Y	
De	«Pha:	cs of Internal Disea rmacology, Pharmac			
2	Sadykova Gulzhan Saparovna	Candidate of Medical Sciences.	gulzhan2171@mail. ru	Scientific work:"hepatoprotectiv e effect of	University in "Communication Skills", the University of Nebraska (USA) in innovative teaching methods, KazGU in psychology and pedagogy, AGIUV in a competence- based approach to teaching. He has the highest qualification category of a general practitioner.Availa bility of patents and pre-patents, copyrighted inventions, state registration of intellectual property - 9: -patents and pre- patents - 3 Author of more than 35 scientific and
	Saparovna	Sciences, acting Associate Professor		e effect of pannuvladin in toxic hepatitis".	methodological publications, 8 textbooks, a certificate of a therapist of the highest category. The certificate of the specialist of the GP
3	Baidullaev Bahram Muzaffarovich	assistant	bbm2055@mail.ru	_	Author of more than 65 scientific and methodological publications, 6 textbooks. The certificate of the therapist of the highest category.
4	Ahaeva Laura Zhaksylykovna	Head teacher, assistant	Laura1990a00@mai l.ru	-	Certificate of a specialist general

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MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ АСАРЕМУ АО «Южно-Казахстанская медицинская академия» ×11. Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 6стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

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					1
					practitioner.
					Author of 25
					scientific
					publications.
5	Toktarova Gulnaz	assistant	Toktar_8585@mail.	-	Certificate of a
	Abdimalikovna		ru		specialist therapist,
					functional
					diagnostics,
					cardiology. Author
					of 8 scientific
					publications and
					co-author of 1
					teaching manual.
6	Bathieva Madina	assistant	Madin_madina@ma		Co-author of 1
	Bekenovna		il.ru		study guide.
					International
					EAPTLS
					certificate.Certifica
					te of a therapist.
7	Askar Zhansaya	assistant	Zhm.askar@mail.ru	_	GP certificate.
,	Mukhtarovna	ussistant			
8	Amangeldieva	assistant	Amangeldievag71@	-	GP certificate.
Ŭ	Gulfayruz	ussistant	mail.ru		or continente.
	Seitimovna		inum a		
	20111101110	I	Department of	<mark>f ''''</mark>	
9	Mustafina	associate	sayat.mka@mail.ru	Pediatrics	Author of
	Kenzhegul	professor	juli i juli		scientific
	Akhmetovna	r			publications more
					than 70 and 3
					textbooks
10	Baimakhanova	associate	Bakhtigul059@mail.r	Pediatrics,	Author of more
	Bakhtygul	professor	u	neonatology	than 40 scientific
	Bimendeevna	r			publications and 1
					manual
11	Toleuova	assistant	ai_ol_ak.83@mail.ru	Pediatrics	Author of
	Akgulim				scientific
	Erbolatovna				publications - 15
	-	Departme	nt of "Normal and Pat	thological Physiology''	-
12	Bissimbayeva	Candidate of		Theme scientific guide -	Author of 40
	Saule	Medical	baeva@	"hygienic justification	scientific
	Babatovna	Sciences,	inbox.ru	of optimal treatment of	publications, has
		Acting		pulmonary	prepared 2 pre-
		Associate		tuberculosis"	patents, 1 patent, 1
		Professor			monograph and 2
					acts of
					implementation of
					implementation of the results of

	«Оңтүстік Қазақстан м	AKADI	DISINA (SKMA) MEDIC		кая академия»
Dej	partments: «Propaedeutic «Phar	es of Internal Diseas macology, Pharmac			е», 044-47/11 7стр. из 104
			1	1	
	Zhannat Zhakslykovna	Medical Sciences, Acting Associate Professor	mail.ru	scientific direction "The influence of lead on the oxidative metabolism of lipids and blood proteins and its correction with biofenicol"	scientific publications, 1 teaching manual, has prepared 2 acts of implementation of the results of research work and 3 acts of implementation of the results of educational and methodological work
14	Medetbekova Dina Umurzakovna	Master of Medical Sciences, Senior Lecturer	allisok@bk.ru	The topic of the scientific direction "Medical and organizational aspects of the prevention of dermatomycosis among the population of the metropolis"	Author of 2 scientific publications
15	Berdalieva Gulmira Bakhytyzy	Senior Lecturer	Mira- 3505@mail.ru	-	Author of 2 scientific publications
		Departmer	nt of "Pathological An	atomy and Histology"	
16	Sadykova Aliya Shamilevna	Head of the Department of Pathological Anatomy and Histology, MD, Acting Professor	aliya.sadykova.66 @mail.ru	The topic of the scientific direction "Pathology of the immune system, pathological anatomy of tumors"	Author of 84 scientific publications, 5 textbooks, 1 patent for an invention, 1 monograph
17	Dosybayev Bakhytzhan Krykbaevich	Candidate of Medical Sciences, Acting Associate Professor	Krik85@mail.ru	The topic of the scientific direction "Prognostic assessment of the health of cement production workers"	Author of 14 scientific publications
18	Abildina Kalamkas Berzhanovna	Master, Assistant	Mskas1972@mail. ru	Theme of scientific direction"morphogenesi s of atherosclerosis of the aortic and renal arteries of the population of Shymkent"	Author of 19 scientific publications 1 of the teaching and methodological manual
	Departme	nt of Pharmaco	logy, Pharmacother	apy and Clinical Pharma	
	Ibragimova	Ph.D., Acting	aygul_ibr@mail.ru	"Problems of rational	Author of more

	«Оңтү	стік Қазақстан м	едиці	AKADE	DISINA (SKMA) ME EMIASY (JU) AC	ITH KAZAKHS DICAL ADEMY «Южно-Ка	тал вахстанская м	едицинс	ская ака	цемия»
De	partmer	«Phar	maco	logy, Pharmac	ses », «Pediatrics №1 » otherapy And Clinical	Pharmacol	ogy»	Medicin		044-47/11 8стр. из 104
		Worki	ng cu	rriculum (sylla	abus) on the module "M	1an and dis	ease"			
Aigul Gaffarova Ass		ociate fessor		effect pharn pharn al, pharn pharn aspec therap	f medicines: ive and safe nacotherapy, nacoepidemi nacoeconom nacogenetic ts. Personali by. Developr	ical, zed nent	paper metho	20 scientific s, textbooks, odological nmendations		
20	20 Duisenbayeva Tea		Теа	cher	baxtili_talasbaevn	and en phyto diseas	vtopreparation ffective therapy of va ses" cal pharmaco	arious	Autho	or of 45
	Bakt Talas	yly sbayevna			a@mail.ru	in peo	liatrics		scient	ific articles
21	Aida	nbekova na rllakyzy	Tea	cher	arnur.ernur89@m il.ru	in ger	Clinical pharmacology in general medicine and pediatrics		Author of 3 scientific articles	
	7				Thema	tic plan				
Wee	ek	Topic name		Summary		LO Modul e	number of hours	Forma metho techno s	ods/	Assessment forms/ Methods
№ 1 Ner syst	vous				Leo	cture				
		1. Propaedeutic of internal diseases. (Leading clinical syndromes in neurology. Diagnostic value.) 2.Propaedeu	n	anamnesis objective r examination leading cli of the nerv	of questioning, collection and nethods of on of patients with nical syndromes yous system.	LO1	1	Overv lecture	e	Blitz survey on the topic Blitz survey

«Онту	стік Қазақстан медиці	MEDISINA (SKMA) MET AKADEMIASY (,)//, ACA	ТН КАZAKHST DICAL ADEMY «Южно-Каз		иедицинская ака	адемия»
	nts: «Propaedeutics of 1 «Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical	, «Pathology Pharmacolo	and Forension gy»		044-47/11 9стр. из 104
	Working cu	rriculum (syllabus) on the module "M	lan and dise	ase"		
	diseases	convulsive syndrome,				
	(Clinical	meningeal syndrome,				
	syndromes in	syndromes of impaired				
	pediatric	consciousness and sleeping.				
	neurology.)	The concept of neuroses.				
		CNS lesions in newborns				
		and children of the first year				
		of life.				
	3. Pathological	Etiopathogenesis of nervous	LO 1	1	Overview	Blitz survey
	physiology of	disorders. Neurodystrophic	LO 5		lecture	on the topic
	organs and	process. Neuron pathology.				_
	systems	Generator of pathologically				
	(Pathophysiolo	enhanced excitation,				
	gy of the	pathological determinant.				
	nervous system)	Neurogenic movement				
		disorders. Neurogenic				
		sensitivity disorders. Pain.				
		Antinociceptive system.				
		Pathophysiological				
		principles of prevention and				
		therapy of disorders of the				
		nervous system. Features of the development of				
		pathology of the nervous				
		system in childhood				
		system in enhanood				
	4. Pathological	Cerebrovascular diseases.	LO 1	1	Overview	Blitz survey
	anatomy of	Strokes. Meningitis.	LO 5		lecture	on the topic
	organs and	Encephalitis. Epilepsy.				
	systems	Malformations of the central				
	(Strokes,	nervous system. Etiology.				
	meningitis,	Pathogenesis.				
	encephalitis,	Morphogenesis.				
	CNS	Pathological anatomy.				
	malformations	Complications. Causes of				
	and epilepsy). 5.	death.	LO 6	1	Quantian	Ditz ourvou
	5. Pharmacology	Principles of drug therapy for stroke. General		1	Overview lecture	Blitz survey on the topic
	(Drugs used in	principles of				on the topic
	diseases of the	pharmacotherapy of				
	nervous system)	meningitis. Conservative				
		treatment of epilepsy.				
		Advantages of modern				
		antiepileptic drugs, features				
		of use in children of drugs				
		used in parkinsonism.				
		Features of use in children				
		Practica	al classes			

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	ина академиясы» АҚ 🛛 🖄 АО Internal Diseases », «Pediatrics №1 »	«Южно-Каз , «Pathology	and Forensic	едицинская ака Medicine»,	044-47/11
	logy, Pharmacotherapy And Clinical rriculum (syllabus) on the module "M				10стр. из 104
			I	1	
1.	Principles of questioning,	LO 2	2	Discussion	Checklist of
Propaedeutics	anamnesis collection and an	LO 3		of the topic	an oral
of internal	objective method of			of the	survey,
diseases. (Leading	investigation of patients with leading clinical			lesson, the solution of	mastering practical
clinical	syndromes (meningeal and			mastering	skills.
syndromes in	cerebrovascular disorders)			practical	SKIIIS.
neurology.	of the nervous system.			skills	
Diagnostic	5				
value.)					
2.Propaedeutics	The principles of	LO 2	2	Discussion	Checklist of
of childhood	questioning, anamnesis	LO 3		of the topic	an oral
diseases	collection and an objective			of the	survey,
(Clinical	method of studying sick			lesson,	mastering
syndromes in	children of different age groups with nervous system			mastering practical	practical skills.
pediatric neurology.	disorders. Features of			skills.	561115.
Pathological	clinical methods of			SKIIIS.	
change in the	examination of children				
psychoemotion	(assessment of the level of				
al status of a	neuropsychic development				
child with	of the child according to				
COVID-19.)	age, assessment of				
	consciousness, rigidity of				
	the occipital muscles sign,				
	Kernig sign, Brudzinsky				
3. Pathological	sign). Etiopathogenesis of nervous	LO 1	2	Performing	Checklist,
physiology of	disorders. Neurodystrophic	LO I LO 5	2	practical	Feedback
organs and	process. Neuron pathology.	200		work,	mutual
systems	Generator of pathologically			solving case	evaluation
(Pathophysiolo	enhanced excitation,			study,	of students
gy of the	pathological determinant,			discussing	by the
nervous system)	pathological system.			the main	«Sandwich»
	Neurogenic movement			issues of the	method
	disorders. Neurogenic sensitivity disorders. Pain.			topic, solving	
	Antinociceptive system.			MCQs	
	Pathophysiological				
	principles of prevention and				
	therapy of disorders of the				
	nervous system. Features of				
	the development of				
	pathology of the nervous				
4 Do41-1	system in childhood		2	Diamaire	Vorification
4. Pathological	Cerebrovascular diseases.	LO 1 LO 5	2	Discussion of the topic	Verification of
anatomy of organs and	Strokes. Meningitis. Encephalitis. Epilepsy.	LO 3		of the topic, study and	descriptions
systems	Etiology. Pathogenesis.			description	of macro-
(Pathology of	Morphogenesis.			of macro-	and micro-
			I		

the nervous system). 5.	Pathological anatomy. Complications. Causes of death. Principles of drug therapy	LO 6	2	and micro- preparations , macrophoto graphs and microphoto graphs	preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method Oral
Pharmacology (Drugs used for diseases of the nervous system)	for stroke. General principles of pharmacotherapy of meningitis. Conservative treatment of epilepsy. Advantages of modern antiepileptic drugs, features of use in children. Drugs used in parkinsonism. Features of use in children.			small groups	Discussion
1. Propaedeutics	Scientific articles on the	IW LO	2/4	Analysis of	Checklist.
of internal diseases (Consultation on the implementation of SIW. SIW assignment: Project name:Developm ent of a scheme (sample) of the medical history in order to improve the quality of knowledge among 3rd year students. Analysis of scientific articles.	following topics:meningitis, ischemic stroke, hemorrhagic stroke. Familiarization and analysis of the project:Development of a scheme (sample) of the medical history in order to improve the quality of knowledge among 3rd year students.	4,5,6,7		the project:Dev elopment of a scheme (sample)me dical history in order to improve the quality of knowledge among 3rd year students. Analysis and discussion of scientific articles (scientific articles on the topics: meningitis, ischemic stroke, hemorrhagi	Feedback to each student using the "Sandwich" method.



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				c stroke)	
2.Propaedeutics of children's diseases (Consultation on the implementation of SIW. Task SIW: Behavioral and	Attention- deficit/hyperactivity disorder (ADHD) in children. Familiarization and analysis of the project: Development of a scheme (sample) of the medical history in order to improve the quality of	LO 4,5,6,7	2/4	Analysis and discussion of the project: Developme nt of a scheme	Checklist. Feedback mutual evaluation of students by the «Sandwich method
emotional disorders in children). Project: Development of a scheme (sample) of a medical history in order to improve the quality of knowledge among 3rd year students. Analysis of scientific articles.	knowledge among 3rd year students.			(sample) of the medical history in order to improve the quality of knowledge among 3rd year students.	
3. Pathological physiology of organs and systems (Consultation on the implementation of SIW topic:Malformati ons of the nervous system)	Malformations of the nervous system, types, causes and mechanisms of their formation	LO 1 LO 5 LO 7	2/5	Preparation and performing of the presentation	Performing of presentatio
4. Pathological anatomy of organs and systems (Consultation on the task of SIW SIW: Malformations of the central	Malformations of the nervous system. Types, causes and mechanisms of formation.	LO 1 LO 5 LO 7	2/4	Discussion of the topic; work with macro and microphoto graphs: description of macro and	Checking description of macro and microphoto graphs by check lists/check lists



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Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine»,	044-47/11				
«Pharmacology, Pharmacotherapy And Clinical Pharmacology»					
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№2	nervous system). Project: "Pathomorpholo gy of urgent conditions" 5. Pharmacology (Consultation on the implementation of SIW: Drugs used for strokes). The project "Pharmacothera py of emergency conditions" Analysis of scientific articles.	Modern methods of treatment of ischemic and hemorrhagic stroke.	LO 6 LO 7	2/4	microphoto graphs according to the scheme; Work on the project: drawing up a work plan Presentation preparation and defense. Work on the project: drawing up a work plan	Feedback mutual evaluation of students by the «Sandwich» method Checklist for evaluation of a scientific article and project. Evaluation of the presentation of the topic
	1 Draw a danting			1	0	D1:4-
Respirat	1. Propaedeutics	Predisposing factors and	LO 1	1	Overview	Blitz survey
ory system	of internal diseases. Leading clinical syndromes (compaction of lung tissue, bronchial patency disorders, increased airiness in the lung) in pulmonology <b>2 Propadeutics</b>	causes leading to the development of pulmonary tissue compaction syndrome, bronchial patency disorders, increased airiness in the lung. Clinical features.	LO 1	1	lecture	on the topic
	2.Propaedeutics of childhood diseases Pathological syndromes (pulmonary tissue compaction syndrome, bronchial patency	Predisposing factors and causes leading to the development of pulmonary tissue compaction syndrome, bronchial patency disorders, lung cavity syndrome, fluid accumulation in the pleural cavity. Clinical features in children of different age groups.	LUI	1	lecture	Blitz survey on the topic

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	disorders, lung cavity syndrome, fluid accumulation in the pleural cavity) in pediatric pulmonology. 3. Pathological physiology of organs and systems	Violation of lung ventilation. Alveolar hypo- and hyperventilation. Obstructive and restrictive	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic
	(Pathophysiolo gy of external respiration)	patterns. Diffusion defect. Lung perfusion defect. V/Q defects. Pulmonary hypertension. Disorders of the regulation of the respiratory center. Bronchoobstructive syndrome, concept, etiology, pathogenesis. Compaction of lung tissue, concept, etiology, pathogenesis. Increased airiness of the lungs (emphysema) concept, types, etiology, pathogenesis. Pathophysiological principles of prevention and therapy of respiratory disorders. Features of respiratory disorders in children				
	4. Pathological anatomy of organs and systems (Pathology of the respiratory system)	Acute and chronic bronchitis. Croup pneumonia. Bronchopneumonia. Bronchial asthma. Bronchiectasis. Emphysema of the lungs. Interstitial (restrictive) lung diseases. Covid – 19 associated pneumonia. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications.	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic

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 Академиясы» Ақ

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	Causes of death				
<b>5.</b> <b>Pharmacology</b> (Medicines that affect the function of the respiratory system. Drugs used for bronchial patency disorder syndrome, compaction of lung tissue and increased airiness in the	Causes of death Drugs used for bronchial conduction disorder syndrome alpha and beta adrenostimulants, M- cholinoblockers, phosphodiesterase inhibitors, glucocorticosteroids.Drugs used for pulmonary tissue compaction syndrome: antibacterial therapy, antitussive and mucolytic drugs. Remedies used for the syndrome of increased airiness in the lung	LO 6	1	Overview lecture	Blitz survey on the topic
lung).					
		al classes			
1.Propaedeutics of internal diseases.Leading clinical syndromes(compaction of lung tissue, bronchial patency disorders, increased airiness in the lung) in pulmonology.Diagnostic value.	Predisposing factors and causes leading to the development of pulmonary tissue compaction syndrome, bronchial patency disorders, increased airiness in the lung. Clinical features.	LO 2 LO 3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
2.Propaedeutics of childhood diseases Clinical syndromes (lung tissue compaction, bronchial patency disorders, presence of a cavity in the	Predisposing factors and causes leading to the development of pulmonary tissue compaction syndrome, bronchial patency disorders, the presence of a cavity in the lung, accumulation of fluid and air in the pleural cavity, lung tissue cavity syndrome, lung tissue elevation syndrome.Clinical features	LO 2 LO 3	2	Discussion of the topic of the lesson, mastering practical skills	Checklist of an oral survey, mastering practical skills.

• • • • • • • • • • • •	МЕДІЗІНА АКАДЕМІАЗҮ ина академиясы» АҚ	<b>DICAL</b> ADEMY «Южно-Каз	вахстанская м						
«Pharmaco	logy, Pharmacotherapy And Clinical	Pharmacolo	gy»	Medicine»,	044-47/11 16стр. из 104				
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lung, accumulation of fluid and air in the pleural cavity, lung tissue cavity syndrome, pulmonary tissue elevation syndrome) in pediatric pulmonology <b>3. Pathological</b> physiology of organs and systems (Pathophysiolog y of external respiration)	in children of different age groups Violation of lung ventilation. Alveolar hypo- and hyperventilation. Obstructive and restrictive patterns. Diffusion defect. Lung perfusion defect. V/Q defect. Pulmonary hypertension. Disorders of the regulation of the respiratory center. Bronchoobstructive syndrome, concept, etiology, pathogenesis. Compaction of lung tissue, concept, etiology, pathogenesis. Increased airiness of the lungs (emphysema) concept, types, etiology, pathogenesis. Pathophysiological principles of prevention and therapy of respiratory disorders. Features of respiratory disorders in children	LR 1 LR 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method				
4. Pathological anatomy of organs and systems (Pathology of the respiratory system)	Acute and chronic bronchitis. Croup pneumonia. Bronchopneumonia. Bronchial asthma. Bronchiectasis. Emphysema of the lungs. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy.	LO 1 LO 5	2	, macrophoto graphs and	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback				
	ents: «Propaedeutics of 1         «Pharmaco         Working cu         lung,         accumulation of         fluid and air in         the pleural         cavity, lung         tissue cavity         syndrome,         pulmonary tissue         elevation         syndrome) in         pediatric         pulmonology <b>3. Pathological</b> physiology of         organs and         systems         (Pathophysiolog         y of external         respiration)	MEDISINA ACDEMISSY CYCTHE KABARCTEM MERUUPHA BRAREMURCUS AKMEC ACD ACDInter all constructions of Internal Diseases », «Pediatrics Nel » «Pharmacolerapy And Clinical Working curriculum (syllabus) on the module "NIung, accumulation of fluid and air in the pleural cavity, lung tissue cavity syndrome, pulmonary tissue elevation syndrome) in pediatric pulmonology3. Pathological physiology of organs and systems (Pathophysiolog y of external respiration)Violation of lung ventilation. Alveolar hypo- and hyperventilation. Obstructive and restrictive patterns. Diffusion defect. V/Q defect. Pulmonary hypertension. Disorders of the regulation of the respiration)4. Pathological anatomy of organs and systemsViolation of lung tissue, concept, etiology, pathogenesis. Compaction of lung tissue, concept, etiology, pathogenesis. Pathophysiological principles of prevention and therapy of respiratory disorders. Features of respiratory disorders in children4. Pathological anatomy of organs and systemsAcute and chronical anatomy of bronchial Bronchopneumonia. Bronchopneumonia. Bronchopneumonia. Bronchopneumonia. Bronchial anatomy of the respiratory systemsAcute and chronical bronchial Bronchial<	MEDISINA ACADEMY (WASARCTERT MEQULUME A BARAGEMMELLE AK O *CONCONCOMENTATION (Pharmacology, Pharmacotherapy And Clinical Pharmacolo Working curriculum (syllabus) on the module "Man and dise in children of different age groups         MEDICAL (Mathematical Concept)           Iung, accumulation of fluid and air in the pleural cavity, lung tissue cavity syndrome, pulmonary tissue elevation syndrome) in pediatric pulmonology         in children of different age groups         LR 1           3. Pathological physiology of organs and systems (Pathophysiolog y of external respiration)         Violation of lung ventilation. Alveolar hypo- and hyperventilation. Obstructive and restrictive pulmonology patterns. Diffusion defect. Lung perfusion defect. V/Q defect. Pulmonary hypertension. Disorders of the regulation of the respiratory center. Bronchoobstructive syndrome, concept, etiology, pathogenesis. Compaction of lung tissue, concept, etiology, pathogenesis. Pathophysiological principles of prevention and therapy of respiratory disorders. Features of respiratory disorders in children         LO 1           4. Pathological anatomy of organs and systems         Acute and chronic bronchitis. Croup pneumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Bronchopeumonia. Systems         LO 1 LO 5	MEDISINA MADEMIXA MADEMIXA MADEMIXA MADEMIXA MADEMIXA MADEMIXA Method	MADEMIAN Profix Managements and anomalow AN Monormal Diseases w, ePediatrics Net w, ePathology and Forensic Medicines. ePharmacology, Pharmacotherapy And Clinical Pharmacology> Working curriculum (syllabus) on the module "Man and disease"           lung, accumulation of fluid and air in the pleural cavity, lung tissue cavity syndrome, pulmonology         in children of different age groups         LR 1         2         Performing practical work, solving           3. Pathological physiology of organs and systems         Violation of lung ventilation. Alveolar hypo- atter solving         LR 1         2         Performing practical work, solving           (Pathological physiology of organs and systems         Violation of lung ventilation. Alveolar hypo- pathonology         LR 1         2         Performing practical work, solving           (Pathological physiology of organs and systems         Violation of lung ventilation. Alveolar hypo- pathogenesis.         LR 1         2         Performing practical work, solving           (Pathological hypertension. Disorders of the regulation of the respiratory center. Bronchoobstructive syndrome, concept, etiology, pathogenesis. Compaction of lung tissue, concept, etiology, pathogenesis. Pathophysiological principles of prevention and therapy of respiratory disorders. Features of respiratory disorders in children         2         Discussion of the topic, sudy and description of the topic, study and description of the topic, study and description of the topic, sudy and description preparations.				



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<b>5.</b> Pharmacology (Medicines that affect the function of the respiratory system. Drugs used for bronchial patency disorder syndrome, compaction of lung tissue and increased airiness in the lung).	Drugs used for bronchial conduction disorder syndrome alpha and beta- adrenostimulants, M- cholinoblockers, phosphodiesterase inhibitors, glucocorticosteroids. Drugs used in the syndrome of lung tissue compaction: antibacterial therapy, antitussive and mucolytic drugs. Drugs used for the syndrome of increased airiness in the lung.	LO 6	2	Working in small groups	evaluation of students by the «Sandwich» method Oral discussion, dose calculation, appointment
	S	IW			
1. Propaedeutics of internal diseases. Consultation on the implementation of SRO. The task is URGENT Topic:Pulmonar y tissue compaction syndrome, bronchial patency disorders, increased airiness in the lung).	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of respiratory diseases.	LO 4,5,6,7	6 (2/4)	Performing practical skills.	Feed-back to each student using the "Sandwich" method. Practical skills assessment checklist.
2. Propaedeutics of childhood diseases SIWT. Consultation on the implementation of SIW topic: Upper	Clinical features in children of different age groups.	LO 4,5,6,7	6 (2/4)	Reception of practical skills.	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing

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	respiratory tract obstruction syndrome					practical skills
	3. Pathological physiology of organs and systems (SIWT. Consultation on the implementation of SIW topic: Malformations of the respiratory system)	Malformations of the respiratory system, types, causes and mechanisms of formation.	LO 1 LO 5	6 (2/4)	Preparation and performing of presentation	Protecting the presentation
	4. Pathological anatomy of organs and systems (SIWT. Consultation on the implementation of the DEADLINE 2. Task SIW. (Pathology of the respiratory system)	Interstitial (restrictive) lung diseases. Covid – 19 associated pneumonia. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LO 1 LO 5	6 (2/4)	Discussion of the topic, study and description of macro- and micro- preparations , macrophoto graphs and microphoto graphs.	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
	5. Pharmacology (SIWT. Consultation on the implementation of SIW. The task of the SIW: Drugs used for chronic obstructive pulmonary disease, chronic bronchitis, bronchiectatic disease.)	Drugs used for chronic obstructive pulmonary disease, chronic bronchitis, bronchiectatic disease	LO 6,7	7 (2/5)	Presentation preparation and defense.	method Evaluation of the presentation of the topic
<u>№</u> 3		Leo	cture			

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-	, 						
Respirat	1.	Predisposing factors and	LO1	1	Overview	Blitz survey	
ory	Propaedeutics	causes leading to the			lecture	on the topic	
system	of internal	development of the					
	diseases.	syndrome of the presence of fluid and cavities in the					
	Leading clinical syndromes	lung, respiratory failure.					
	(presence of	Clinical features.					
	fluid and	Chinear reatures.					
	cavities in the						
	lung, respiratory						
	failure).						
	2.Propaedeutics	Syndromes of acute and	LO1	1	Overview	Blitz survey	
	of childhood	chronic respiratory			lecture	on the topic	
	diseases	failure.Clinical features in				1	
	Pathological	children of different age					
	syndromes	groups.Features of the					
	(acute and	course of pulmonological					
	chronic	syndromes in a pandemic					
	respiratory						
	failure) in						
	pediatric						
	pulmonology.						
	Respiratory						
	failure syndrome						
	in COVID-19.	Sundromo of commutation	IO1	1			
	3. Pathological physiology of	Syndrome of accumulation of fluid in the lung, concept,	LO 1, LO 5	1	Overview	Blitz survey	
	organs and	types, etiology,	LUJ		lecture	on the topic	
	systems	pathogenesis.			locture	on the topic	
	(Pathophysiolog	Lung cavity syndrome,					
	y of external	concept, etiology,					
	respiration)	pathogenesis.					
	<b>1</b> ,	Insufficiency of external					
		respiration, concept, types,					
		etiology, pathogenesis,					
		features in					
		children.Pulmonary edema.					
	4. Pathological	Pulmonary edema.	LO 1	1	Overview	Blitz survey	
	anatomy of	Hydrothorax. Lung cancer.	LO 5		lecture	on the topic	
	organs and	Lung abscess. Pleurisy.					
	systems (Pathology of	Respiratory failure.					
	(Pathology of the respiratory	Malformations of the lungs. Etiology. Pathogenesis.					
	system)	Morphogenesis.					
	system)	Pathological anatomy.					
		Complications.					
		Causes of death					
	5. Pharmacology	Drugs used in the syndrome	LO6	1	Overview	Blitz survey	
	(Medicines that	of fluid accumulation,	_		lecture	on the topic	

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affect the function of the respiratory system.Drugs used for fluid accumulation syndrome, lung cavities and respiratory failure)	cavities in the lung and respiratory failure. The main mechanisms of action of drugs. Comparative characteristics. Indications for use. Side effects.				
	Practica	al classes			
1. Propaedeutics of internal diseases. Leading clinical syndromes (presence of fluid and cavities in the lung, respiratory failure). Diagnostic value.	Predisposing factors and causes leading to the development of the syndrome of the presence of fluid and cavities in the lung, respiratory failure. Clinical features.	LR2 LR3	3	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
2.Propaedeutics of childhood diseases Clinical syndromes (acute and chronic respiratory failure) in pediatric pulmonology	Predisposing factors and causes leading to the development of acute and chronic respiratory failure syndrome. Clinical features in children of different age groups.	LO 2 LO 3	3	Discussion of the topic of the lesson, TBL	Checklist of the oral survey, testing
<b>3.</b> Pathological physiology of organs and systems (Pathophysiolog y of external respiration)	Syndrome of accumulation of fluid in the lung, concept, types, etiology, pathogenesis. Lung cavity syndrome, concept, etiology, pathogenesis. Insufficiency of external respiration, concept, types, etiology, pathogenesis, features in children.Pulmonary edema.	LO 1, LO 5	3	Performing practical work, solving situational tasks, discussing the main issues of the topic, solving MCQs	
4. Pathological anatomy of	Pulmonary edema. Hydrothorax. Lung cancer.	LO 1, LO 5	3	Discussion of the topic,	Verification of

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working cu	inculum (synabus) on the module w		150		
organs and systems (Pathology of the respiratory system)	Lung abscess. Pleurisy. Malformations of the lungs. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death			study and description, macro- and micro- preparations , macrophoto graphs and microphoto graphs	descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Medicines that affect the function of the respiratory system. Drugs used for fluid accumulation syndrome, lung cavities and respiratory failure)	Drugs used in the syndrome of fluid accumulation, cavities in the lung and respiratory failure. The main mechanisms of action of drugs. Comparative characteristics. Indications for use. Side effects.	LO 2,3,4,5	3	Working in small groups	Oral discussion, dose calculation, prescription writing
	S	IW			
1. Propaedeutics of internal diseases. SROP. Syndromes of fluid and cavities in the lung, respiratory failure.	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of respiratory diseases.	LO 4,5,6,7	6 (2/4)	Performing practical skills	Feedback mutual evaluation of students by the «Sandwich» method. Practical skills assessment checklist.
2.Propaedeutics of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW:	Predisposing factors and causes leading to the development of neonatal RDS. Clinical manifestations.	LO 4,5,6,7	5 (2/3)	Reception of practical skills.	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical

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	Respiratory					skills.
	distress					
	syndrome of					
	newborns <b>3. Pathological</b> physiology of organs and systems (Consultation on the implementation of SIW topic: (Respiratory distress	Respiratory distress syndrome of newborns, etiopathogenesis, manifestations, difference from respiratory distress syndrome of adults. Therapy	LO1 LO5	6 (2/4)	Preparation and performing of Presentation	Performing presentation
	4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementation of SRO 3. SRO task. (Pathology of the respiratory system)	Tuberculosis. Pneumosclerosis. Respiratory distress syndrome. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LO1 LO5	6 (2/4)	Discussion of the topic; working with macro and microphoto graphs: description of macro and microphoto graphs according to the scheme;	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method Checklist for PBI
	5. Pharmacology (SIWT. Consultation on the implementation of SIW. The task of the SIW: Drugs used for lung cavity syndrome)	Drugs used for lung cavity syndrome: Abscess, tuberculous cavity, echinococcal cyst.	LO 6,7	7 (2/5)	Preparation and defense of presentation s, abstracts.	for PBL Checklist (presentatio n, abstract).
<u>№</u> 4		Lec	tures	l	I	
Cardiov			1	1	1	
ascular	1. Propaedeutics	Predisposing factors and	LO 1	1	Overview	Blitz survey
system	of internal	causes leading to the			lecture	on the topic
	diseases.	development of high blood				
	Leading Clinical	pressure syndrome and				

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«Pharmac	Internal Diseases », «Pediatrics №1 » ology, Pharmacotherapy And Clinical urriculum (syllabus) on the module "N	, «Pathology Pharmacolo	and Forensic gy»	едицинская ака Medicine»,	044-47/11 23стр. из 104
Syndromes (High Blood Pressure and Coronary Heart Disease) in Cardiology	coronary heart disease Clinical features.				
2.Propaedeutics of childhood diseases Features of clinical manifestations of valvular apparatus lesion syndrome in children	The main symptoms. Etiology. Risk factors . Distinctive symptoms of postcovid complications	LO 1	1	Overview lecture	Blitz survey on the topic
3. Pathological physiology of organs and systems (Vascular tone disorders.)	Arterialhypertension.Primaryarterialhypertension.Secondaryhypertension.Vascularinsufficiency.Pathophysiologicalprinciples of prevention andtherapy of vascular tonedisorders.Vascular tone	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic
4. Pathological anatomy of organs and systems (Pathology of the cardiovascular system)	<ul> <li>Hypertension.</li> <li>Atherosclerosis.</li> <li>Etiology. Pathogenesis.</li> <li>Morphogenesis.</li> <li>Pathological anatomy.</li> <li>Complications.</li> <li>Causes of death</li> </ul>	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic
5. Pharmacology (Drugs used for arterial hypertension and coronary heart disease).	antagonists, ACE inhibitors, central alpha-2 adrenomimetics. Drugs used in coronary heart disease: antianginal agents, anticoagulants, antiplatelet agents, fibrinolytics, hypolipidemic drugs.	LO 6	1	Overview lecture	Blitz survey on the topic
		al classes			
1. Propaedeutics	Predisposing factors and	LO 2,3	2	Discussion	Checklist of

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of internal diseases. Leading clinical syndromes (high blood pressure and coronary heart disease) in cardiology. Diagnostic value.	causes leading to the development of high blood pressure syndrome and coronary heart disease Clinical features.			of the topic of the lesson, mastering practical skills.	an oral survey, mastering practical skills.			
2.Propaedeutics of childhood diseases Clinical syndrome of acute and chronic cardiac and vascular insufficiency in children.	Questioning of a sick child or parent and a general examination of a child with heart failure. Signs of acute and chronic circulatory insufficiency in children of different age groups. The main symptoms of myocardial damage: cardiac arrhythmias, heart failure, thromboembolic complications.	LO 2,3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.			
3. Pathological physiology of organs and systems (Vascular tone disorders.)	Arterialhypertension.Primaryarterialhypertension.Secondaryhypertension.Vascularinsufficiency.Pathophysiologicalprinciples of prevention andtherapy of vascular tonedisorders.Vascular tone	LO 1 LO 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method			
4.Pathological anatomy of organs and systems (Pathology of the cardiovascula r system)	Hypertension. Atherosclerosis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LO 1 LO 5	2	Discussion of the topic, study and description , macro- and micro- preparatio ns, macrophot	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists			



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5. Pharmacology (Drugs used for arterial hypertension and coronary heart disease)	Drugs used for hypertension: diuretics, beta blockers, alpha-1 blockers, direct vasodilators, calcium antagonists, ACE inhibitors, central alpha-2 adrenomimetics. Drugs used for coronary heart disease: antianginal agents, anticoagulants, antiplatelet agents, fibrinolytics, hypolipidemic drugs.	LO 2,3,4,5	2	ographs and microphot ographs Working in small groups	Feedback mutual evaluation of students by the «Sandwich» method Oral discussion, dose calculation, prescription writing
1.Propaedeutic s of internal diseases.SROP.Consultation on the implementation of SRO. SRO taskTopic: High blood pressure syndromes and coronary heart	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of diseases of the cardiovascular system.	LO 4,5,6,7	6 (2/4)	Performing practical skills.	Feed-back to each student using the "Sandwich" method. Practical skills assessment checklist.
disease. 2.Propaedeutic s of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Hypertension and hypotension syndrome in childhood:	Definition of arterial hypertension. Causes and risk factors of hypertension. Symptoms and diagnosis of hypertension in children. The concept of hypertensive and hypotonic crisis	LO 4,5,6,7	6 (2/4)	Reception of practical skills.	Обратная связь с каждым студентом с использова нием метода "сэндвича". Контрольн ый список для оценки практическ их

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	primary and symptomatic					навыков.
	3. Pathological physiology of organs and systems Consultation on the implementation of SIW topic: (Atherosclerosis	Atherosclerosis, etiopathogenesis, manifestations, complications.	LO 1 LO 5	6 (2/4)	Preparation and performing of presentation	Performing of presentation
	) 4. Pathological anatomy of organs and systems (Consultation on the implementation of SRO) 4. SRO task.(Pathology of the cardiovascular system) 5. harmacology	Cardiomyopathies – primary and secondary. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR1 LR 5 LO 6,7	7 (2/5)	Discussion of the topic; work with macro and microphot ographs: description of macro and microphot ographs according to the scheme; on the topic.	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method Checklist
	(SIWT. Consultation on the implementation of SIW: Drugs used in acute coronary syndrome.	coronary syndrome.		(2/5)	presentation s, abstracts.	(presentatio n, abstract).
№5The heart –		Lec	tures			
vascular system	<ol> <li>Propaedeutics of internal diseases.</li> <li>Leading clinical syndromes (acute and chronic coronary insufficiency).</li> </ol>	Predisposing factors and causes leading to the development of acute and chronic coronary insufficiency syndrome. Clinical features.	LR1	1	Overview lecture	Blitz survey on the topic

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	«Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical rriculum (syllabus) on the module "M	, «Patholog Pharmacolo	gy and Fore	ая медицинская ан nsic Medicine»,	адемия» 044-47/11 27стр. из 104			
	2.Propaedeutics of childhood	Congenital heart defects: definition of the concept,	LO 1	1	Overview lecture	Blitz survey on the topic			
	diseases Syndromes of the most common	varieties, causes, features of hemodynamics.							
	congenital heart defects.								
	3. Pathological physiology of organs and systems (Coronary insufficiency. Cardiac arrhythmias)	Myocardial ischemia. Coronary artery disease. Myocardial infarction. Pathogenesis of reperfusion injury of the myocardium. Endogenous mechanisms of heart protection in ischemia and reperfusion. Pathophysiological principles of prevention and therapy of coronary insufficiency. Cardiac arrhythmias, types, etiopathogenesis, principles of therapy. Features of the development of cardiac	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic			
-	1 Dathalagiaal	arrhythmias in childhood	ID1	1	Orremiens	Dlife oververv			
	4. Pathological anatomy of organs and systems (Pathology of the cardiovascular system)	Acute ischemic heart disease. Ischemic myocardial dystrophy. Myocardial infarction. Chronic ischemic heart disease. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR1 LR5		Overview lecture	Blitz survey on the topic			
	5. Pharmacology (Drugs used for acute and chronic heart failure.Drugs used for arrhythmias)	Drugs used in acute and chronic heart failure: Cardiac glycosides, ACE inhibitors, diuretics, beta blockers. Antiarrhythmic drugs. Mechanism of action, indications, contraindications and side effects. Classification. Comparative characteristics of drugs and their use. Side effects.	LO1	1	Overview lecture	Blitz survey on the topic			



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Practical classes							
<ol> <li>Propaedeutics         <ul> <li>of internal</li> <li>diseases.</li> <li>Leading clinical</li> <li>syndromes</li> <li>(acute and</li> <li>chronic coronary</li> <li>insufficiency).</li> <li>Diagnostic value</li> </ul> </li> </ol>	Predisposing factors and causes leading to the development of acute and chronic coronary insufficiency syndrome. Clinical features.	LR 2,3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.		
2.Propaedeutics of childhood diseases Congenital and acquired carditis syndrome in children of different age groups.	Determination of congenital and acquired carditis syndrome in children. The main symptoms of carditis. Clinical features in children of different age groups.	LO 2,3	2	Discussion of the topic of the lesson.	Checklist of the oral survey.Testi ng		
3. Pathological physiology of organs and systems (Coronary insufficiency. Cardiac arrhythmias)	Myocardial ischemia. Coronary artery disease. Myocardial infarction. Pathogenesis of reperfusion injury of the myocardium. Endogenous mechanisms of heart protection in ischemia and reperfusion. Pathophysiological principles of prevention and therapy of coronary insufficiency. Cardiac arrhythmias, types, etiopathogenesis, principles of therapy. Features of the development of cardiac arrhythmias in childhood.	LO 1 LO 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method		
4. Pathological anatomy of organs and systems (Pathology of the cardiovascular system)	Acute ischemic heart disease. Ischemic myocardial dystrophy. Myocardial infarction. Chronic ischemic heart disease. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	2	Discussion of the topic, study and description, macro- and micro- preparations , macrophoto graphs and microphoto graphs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation		



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	Ũ	Theurum (synabus) on the module w				
(l a c fa u	5. Pharmacology Drugs used for cute and hronic heart ailure. Drugs used for rrhythmias)	Drugs used in acute and chronic heart failure: Cardiac glycosides, ACE inhibitors, diuretics, beta blockers. Antiarrhythmic drugs. Mechanism of action, indications, contraindications and side effects. Classification. Comparative characteristics of drugs and their use. Side effects	LO 3,4,5	2	Working in small groups	of students by the «Sandwich» method Oral discussion, dose calculation, prescription writing
			IW		I	
o d S C th in o ta T S c	Propaedeutics of internal liseases. SROP. Consultation on he mplementation of SRO. SRO ask Copic:Syndrome of acute and hronic coronary nsufficiency.	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of diseases of the cardiovascular system.	LR 4,5,6,7	6 (2/4)	Performing practical skills	Feed-back to each student according to the "Sanwich" method. Practical skills assessment checklist.
2 0 d S C ti ii 0 7 0 K	2.Propaedeutics of children's liseases SIWT. Consultation on he mplementation of SIW Copic and task of the SIW: Kawasaki-like yndrome.	Definition, clinical picture.	LO 4,5,6,7	6 (2/4)	Reception of practical skills.	Feed-back to each student according to the "Sanwich" method. Practical skills assessment checklist.
3 p o s	. Pathological physiology of organs and ystems Consultation	Non-coronaryheartpathology.Etiopathogenesis,manifestations,age-relatedfeaturesof	LO 1 LO 5	2/4	Preparation and performing of presentation	Protecting of presentation

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	nts: «Propaedeutics of 1 «Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical rriculum (syllabus) on the module "N	, «Pathology Pharmacolog	and Forensionsy and Forensionsy and Forensionsy and the second seco	e Medicine»,	044-47/11 30стр. из 104
	on the implementation of SIW topic: (Non-coronary heart pathology)	myocardiodystrophy, myocarditis, endocarditis, pericarditis, cardiomyopathy.				
	4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementation of SRO 5. SRO task.(Pathology of the cardiovascular system	Acute carditis. Pulmonary heart. Cardiosclerosis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	6 (2/4)	Discussion of the topic; working with macro and microphot ographs: description of macro and microphot ographs according to the scheme;	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Checklists for PBL Feedback mutual evaluation of students by the «Sandwich» method
.№6	5. Pharmacology (SIWT. Consultation on the implementation of SIW: Drugs used for ventricular arrhythmias and prevention of sudden cardiac death)	Drugs used for ventricular arrhythmias and prevention of sudden cardiac death	LO 6,7	6 (2/4)	Defence of presentation s, abstracts.	Checklist (presentatio n, abstract).
Jn≌o Cardiov ascular system	1. Propaedeutics of internal diseases. Leading clinical syndromes (lesions of the valvular apparatus).	Predisposing factors and causes leading to the development of valvular apparatus lesion syndrome. Clinical features.	LR 1	1	Overview lecture	Blitz survey on the topic
	2.Propaedeutics of childhood	The syndrome of damage to the valvular heart apparatus	LO 1	1	Overview lecture	Blitz survey on the topic

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	rriculum (syllabus) on the module "M				<u>-</u>
diseases Diagnosis of acute and chronic heart failure in children. Kawasaki syndrome in COVID-19 <b>3. Pathological</b>	in children, definition. The main clinical manifestations. Acquired heart defects.	LO 1	1	Overview	Blitz survey
physiology of organs and systems (Acquired heart defects. Heart failure.)	Mitral and aortic valve insufficiency, mitral stenosis, aortic stenosis, tricuspid valve defects, hemodynamic disorders with these defects, manifestations. Heart failure, classification, etiopathogenesis, manifestations, age characteristics. Mechanisms of hemodynamic compensation in heart failure. Intra- and extracardial mechanisms of compensation of heart function. The Frank-Starling law.Myocardial hypertrophy. Mechanisms of decompensation of heart failure	LO 5		lecture	on the topic
4. Pathological anatomy of organs and systems (Pathology of the cardiovascular system)	Rheumatism. Congenital and acquired heart defects. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	1	Overview lecture	Blitz survey on the topic
5. Pharmacology (Drugs used in the syndrome of damage to the valve apparatus)	The means used in the syndrome of damage to the valve apparatus. ACE inhibitors, A2 receptor antagonists, beta-blockers,	LO 6	1	Overview lecture	Blitz survey on the topic

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	nts: «Propaedeutics of «Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical rriculum (syllabus) on the module "W	, «Pathology Pharmacolog	and Forensic gy»		044-47/11 32стр. из 104
		aldosterone receptor antagonists, diuretics,				
		cardiac glycosides. Practica	al classes			
	1. Propaedeutics of internal diseases. Leading clinical syndromes (lesions of the valvular apparatus). Diagnostic	Predisposing factors and causes leading to the development of valvular apparatus lesion syndrome. Clinical features.	LR 2,3	3	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
	value. <b>2.Propaedeutics</b> of children's diseases Clinical syndromes of damage to the valvular apparatus in children. Syndromes of the most common congenital heart defects.	The syndrome of damage to the valvular apparatus of the heart is the definition of the concept. The main clinical manifestations. Congenital heart defects – definition of the concept, varieties, features of hemodynamics	LO 2, 3	3	Discussion of the topic of the lesson, mastering practical skills, analysis of scientific articles	Checklist of an oral survey, mastering practical skills.
	3. Pathological physiology of organs and systems (Acquired heart defects. Heart failure.)	Acquired heart defects. Mitral and aortic valve insufficiency, mitral stenosis, aortic stenosis, tricuspid valve defects, hemodynamic disorders with these defects, manifestations. Heart failure, classification, etiopathogenesis, manifestations, age characteristics. Mechanisms of hemodynamic compensation in heart failure. Intra- and extracardial mechanisms of compensation of heart function. The Frank-Starling mechanism. Myocardial hypertrophy. Mechanisms of decompensation of heart	LO 1 LO 5	3	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method



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	failure				
4. Pathological anatomy of organs and systems (Pathology of the cardiovascular system	Rheumatism. Acquired heart defects. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death. Morphology of acute and chronic heart failure. Right and left ventricular failure. Decompensation of cardiac activity	LR 1 LR 5	3	Discussion of the topic, study and description of macro- and micro- preparations , macrophoto graphs and microphoto graphs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Drugs used in the syndrome of damage to the valve apparatus)	The means used in the syndrome of damage to the valve apparatus. ACE inhibitors, A2 receptor antagonists, Beta-blockers, aldesterone prescription antagonists, diuretics, cardiac glycosides	LO 5,6	3	Working in small groups	Oral interview. Solving test tasks and situational tasks. Prescription writing
	S	IW			
1. Propaedeutics of internal diseases SROP. Consultation on the implementation of SRO. SRO task Project protection: Development of a scheme (sample) of a medical history in order to improve the quality of knowledge among 3rd year students.	Project topic:Development of a scheme (sample) of the medical history in order to improve the quality of knowledge among 3rd year students. Protection of the medical history.	LR 4,5,6,7	6 (2/4)	Project protection: Developme nt of a scheme (sample) of a medical history in order to improve the quality of knowledge among 3rd year students. Protection of the medical history.	Feed-back to each student using the "Sandwich" method. Checklist

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Protection of					
medical history					
2.Propaedeutics of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Congenital heart defects.	Congenital heart defects in children of different age groups, stages of embryonic development of the heart. Diagnostic algorithm.	LO 4,5,6,7	5 (2/3)	Project protection: Developme nt of a scheme (sample) of a medical history in order to improve the quality of knowledge among 3rd year students. Protection of medical history.	Checklist for evaluation of analysis, analysis of scientific articles
3. Pathological physiology of organs and systems (Consultation on the implementation of SIW topic: (Congenital heart defects)	Congenital heart defects, concept, types, causes. Mechanisms of formation	LO 1 LO 5 LO 7	6 (2/4)	Analysis of a scientific article, discussion and verification of work on the project	Checklist for evaluating the analysis of scientific articles Feedback mutual evaluation of students by the «Sandwich» method
4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementation of SRO 6. SRO task. Interim report on the implementation of the project	Congenital heart defects. Pathological anatomy.	LR 1 ,5,7	6 (2/4)	analysis of a scientific article, discussion and verification of work on the project	Checklist for evaluating the analysis of scientific articles on the project being carried out Feedback mutual evaluation of students by the «Sandwich»

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Departmer	Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine»,       044-47/11         «Pharmacology, Pharmacotherapy And Clinical Pharmacology»       35стр. из 104         Working curriculum (syllabus) on the module "Man and disease"       35стр. из 104						
	5. Pharmacology (SIWT. Drugs used for Tetrado Fallo) Interim report on the implementation of the project	1. The drugs used for Tetrad Fallot.	LO 6,7	7 (2/5)	analysis of a scientific article, discussion and verification of work on the project	Checklist for evaluating the analysis of scientific articles on the project being carried out	
Nº7 Digestiv		Lec	tures				
e system	1. Propaedeutics of internal diseases. Leading clinical syndromes (gastric and intestinal dyspepsia).	Predisposing factors and causes leading to the development of gastric and intestinal dyspepsia syndrome. Clinical features.	LR 1	1	Overview lecture	Blitz survey on the topic	
	2.Propaedeutics of childhood diseases Clinical syndromes of the digestive system in children of different age	Syndromes of gastric and intestinal dyspepsia. Acute abdominal syndrome, gastroenterocolitic syndrome, lactase deficiency syndrome	LO 1	1	Overview lecture	Blitz survey on the topic	
	groups. <b>3. Pathological</b> physiology of organs and systems (Pathophysiolo gy of digestion. Digestive disorders in the stomach and intestines)	Digestive insufficiency, the main causes, pathogenetic factors, pathophysiological principles of prevention and therapy. Etiology and pathogenesis of appetite disorders, salivation, chewing, dysphagia, digestive disorders in the stomach. Peptic ulcer of the stomach and duodenum, etiopathogenesis, manifestations, complications. Etiology and pathogenesis of primary and secondary malabsorption. Violation of the motor function of the intestine. Features of the development	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic	

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of digestive disorders in children 1 4. Pathological Acute and chronic gastritis. LR 1 Overview Blitz survey Peptic ulcer of the stomach LR 5 on the topic anatomy of lecture and duodenum. organs and Appendicitis. Peritonitis. systems (Diseases of the Etiology. Pathogenesis. gastrointestinal Morphogenesis. Pathological anatomy. tract) Complications. Causes of death Agents affecting the LO 6 1 Overview 5. Pharmacology Blitz survey (Drugs used for motility of the lecture on the topic gastrointestinal tract, inflammatory diseases of the antispasmodic agents laxatives and antidiarrheal gastrointestinal tract and agents dyspepsia) Antimicrobial agents used for eradication therapy Antisecretory agents: proton pump inhibitors H2histamine blockers, Mholinoblockers. Antacid and antisecretory agents. Gastroprotectors. Synthetic analogues of prostaglandins. Practical classes and 1. Propaedeutics LR 2 2 Checklist of Predisposing factors Discussion of internal causes leading the LR 3 of the topic an oral to development of gastric and diseases. of the survey, Leading clinical mastering intestinal dyspepsia lesson, syndromes syndrome. Clinical features. mastering practical (gastric and practical skills. intestinal skills. dyspepsia) in gastroenterology . Diagnostic value. **2.Propaedeutics** Syndromes of gastric and LO 2, 3 2 Discussion Checklist of of childhood intestinal dyspepsia. of the topic the oral diseases Acute abdominal syndrome, of the survey. pain syndrome, Clinical lesson, testing TBL syndromes of gastroenterocolitic syndrome, lactase the digestive system in deficiency syndrome. children of Abnormalities of the gastrointestinal tract. different age Vomiting syndrome. groups. Features of Esophageal atresia, causes

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dyspeptic syndrome in COVID-19	of development, diagnosis.				
3. Pathological physiology of organs and systems (Pathophysiolo gy of digestion. Digestive disorders in the stomach and intestines.)	Digestive insufficiency, the main causes, pathogenetic factors, pathophysiological principles of prevention and therapy. Etiology and pathogenesis of appetite disorders, salivation, chewing, dysphagia, digestive disorders in the stomach. Peptic ulcer of the stomach and duodenum, etiopathogenesis, manifestations, complications. Etiology and pathogenesis of primary and secondary malabsorption. Violation of the motor function of the intestine Features of the development of digestive disorders in	LO 1 LO 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method
4. Pathological anatomy of organs and systems (Diseases of the gastrointestina l tract)	children Diverticulosis of the esophagus and intestines. Cancer of the esophagus. Acute and chronic gastritis. Peptic ulcer of the stomach and duodenum. Enteritis. Colitis. Crohn's disease. Appendicitis. Peritonitis. Benign and malignant intestinal tumors. Malformations of the gastrointestinal tract. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications.	LO 1, 5	2	Discussion of the topic, study and description of macro- and micro- preparatio ns, macrophot ographs and microphot ographs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Drugs used for inflammatory diseases of the gastrointestinal tract and dyspepsia)	Agents affecting the motility of the gastrointestinal tract, antispasmodic agents laxatives and antidiarrheal agents Antimicrobial agents used for eradication therapy Antisecretory agents: proton	LO 6	2	Working in small groups	Oral discussion, dose calculation, prescription writing

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	«Pharmaco		<mark>«Южно-Каз</mark> , «Pathology Pharmacolog	and Forensic	едицинская ака Medicine»,	демия» 044-47/11 38стр. из 104
					I	I
		pump inhibitors H2- histamine blockers, M- holinoblockers. Antacid and antisecretory agents. Gastroprotectors. Synthetic analogues of prostaglandins. Features of use in children.				
		S	IW			
	Integrated midterm examination No. 1 in the module ''Human and disease''	Integrated clinical case study + 2 questions for each discipline. Topics of lectures, practical classes, SIWT from 1 to 7 weeks in 5 disciplines	LO 1,2,3,4 ,5,6	10	Oral survey in 5 disciplines (cards)	Checklists for midterm examination
Nº8		Lec	tures			
Digestiv e system	1. Propaedeutics of internal diseases. Leading clinical syndromes (jaundice and liver failure) in hepatology.	Predisposing factors and causes leading to the development of jaundice syndrome and liver failure. Clinical features.	LR 1	1	Overview lecture	Blitz survey on the topic
	2.Propaedeutics of childhood diseases Clinical syndromes of the hepatobiliary system in children of different age groups.	Symptoms, causes and diagnosis of jaundice, ascites, portal hypertension and liver failure syndromes	LO 1	1	Overview lecture	Blitz survey on the topic
	3. Pathological physiology of organs and systems (Pathophysiolo gy of the liver)	Liver failure. The mechanism of the damaging effect of chemical, physical and biological factors on hepatocytes. Hepatic coma, concept, types, causes, main links of pathogenesis. Jaundice, concept, types, etiopathogenesis. Cholelithiasis, concept, pathogenesis. Pathophysiological principles of prevention and	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic

«Оңтү	истік Қазақстан медиці	MEDISINA AKADEMIASY (SKMA -1979- , \\	тн каzakhst DICAL ADEMY «Южно-Каз		медицинская ака	демия»				
-	nts: «Propaedeutics of «Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical	, «Pathology Pharmacolo	/ and Forensic gy»		044-47/11 39стр. из 104				
	Working curriculum (syllabus) on the module "Man and disease"									
		therapy of liver pathology. Features of the development of liver pathology in childhood.								
	4. Pathological anatomy of organs and systems (Pathology of the digestive system)	Hepatitis. Alcoholic steatosis of the liver. Cirrhosis of the liver. Liver cancer. Pancreatitis. Pancreatic cancer. Cholecystitis is acute and chronic. Cholelithiasis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	1	Overview lecture	Blitz survey on the topic				
	5. Pharmacology (Drugs used in liver diseases, in the syndrome of external secretory insufficiency of the pancreas)	Drugs used in liver diseases: antibacterial therapy taking into account the antibioticogram, antispasmodics, choleretics and cholekinetics, hepatoprotectors. Drugs used in violation of the excretory function of the pancreas. Means of substitution therapy used in case of insufficiency of pancreatic function. Features of use in children.	LO 6	1	Overview lecture	Blitz survey on the topic				
		Practica	al classes							
	1. Propaedeutics of internal diseases. Leading clinical syndromes (jaundice and liver failure) in hepatology. Diagnostic value.	Predisposing factors and causes leading to the development of jaundice syndrome and liver failure. Clinical features.	LR 2 LR 3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.				
	2.Propaedeutics of childhood diseases Clinical syndromes of the hepatobiliary system in	Symptoms, causes and diagnosis of jaundice, ascites, portal hypertension and liver failure syndromes.	LO 2, 3	2	Discussion of the lesson topic	Checklist of the oral survey. Testing				

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children of different age groups.					
3. Pathological physiology of organs and systems (Pathophysiolo gy of the liver. Criteria for clinical and laboratory diagnostics of various pathological types of jaundice)	Liver failure. The mechanism of the damaging effect of chemical, physical and biological factors on hepatocytes. Hepatic coma, concept, types, causes, main links of pathogenesis. Jaundice, concept, types, etiopathogenesis.Cholelithia sis, concept, pathogenesis.Pathophysiolo gical principles of prevention and therapy of liver pathology. Features of the development of liver pathology in childhood.	LO 1 LO 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method
4. Pathological anatomy of organs and systems (Pathology of the digestive system)	Hepatitis. Alcoholic steatosis of the liver. Cirrhosis of the liver. Liver cancer. Pancreatitis. Pancreatic cancer. Cholecystitis is acute and chronic. Cholelithiasis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR1 LR5	2	Discussion of the topic, study and description of macro- and micro- preparatio ns, macrophot ographs and microphot ographs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Drugs used in liver diseases, in the syndrome of external secretory insufficiency of the pancreas)	Drugs used in liver diseases: antibacterial therapy taking into account the antibioticogram, antispasmodics, choleretics and cholekinetics, hepatoprotectors. Drugs used in violation of the excretory function of the pancreas. Means of substitution therapy used in case of insufficiency of pancreatic function.	LO6	2	Working in small groups	Oral discussion, dose calculation, prescription writing

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«Pharmaco	ина академиясы» АК УУ АО Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical rriculum (syllabus) on the module "N	, «Patholog Pharmacolo	y and Forens	медицинская ака ic Medicine»,	адемия» 044-47/11 41стр. из 104
1. Propaedeutics of internal diseases. Topic:Protection	Classification. Mechanisms of action. Indications and contraindications. Ways of introduction. Side effects. Features of use in children.	IW LR 4,5,6,7	6 (2/4)	Protection of practical skills. Working	Practical skills assessment checklist.
of practical skills in the respiratory and cardiovascular system	auscultation of the heart) on the respiratory and cardiovascular system.			with the Cyber patient platform	
2.Propaedeutics of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Malabsorption syndrome in childhood.	Malabsorption and irritable bowel syndrome in children. Clinical manifestations	LO 4,5,6,7	6 (2/4)	Reception of practical skills Working with the Cyber patient platform	Checklist for evaluation of analysis, analysis of scientific articles
3. Pathological physiology of organs and systems (Consultation on the implementation of SIW topic: (Malformations of the gastrointestinal tract and hepatobiliary system.)	Malformations of the gastrointestinal tract and hepatobiliary system, types, causes and mechanisms of formation.Portal hypertension syndrome.	LO 1, 5,7	6(2/4)	analysis of scientific articles Working with the Cyber patient platform	Checklist
4. Pathological anatomy of organs and systems (SYRUP. Consultation	Malformations of the gastrointestinal tract and hepatobiliary system, types, pathological anatomy. Portal hypertension syndrome.	LR 1,5,7	6(2/4)	analysis of a scientific article	Feedback mutual evaluation of students by the «Sandwich»

		MEDISINA (SKMA) MET AKADEMIASY (1979- AKADEMIASY	ITH KAZAKHST DICAL ADEMY					
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	Working curriculum (syllabus) on the module "Man and disease"         on the implementatio							
	n of SRO 7. SRO task.(Patholog y of the digestive system)							
	5. Pharmacology (SIWT. Task SIW: Drugs used in the syndrome of intestinal and gastric dyspepsia. Drugs for Solinger–Elisson syndrome.Gastro protectors.)	Drugs used in the syndrome of intestinal and gastric dyspepsia. Drugs for Solinger – Elisson syndrome Gastroprotectors. Synthetic analogues of prostaglandins. Indications and contraindications. Side effects.Features of use in children. Drugs used for gastric ulcer.	LO 6	7 (2/5)	Protection of presentation s, abstracts. Working with the Cyber patient platform	Checklist (presentatio n, abstract).		
№9 Urina		Lec	tures		•			
ry syste m	1. Propaedeutics of internal diseases. Leading clinical syndromes (dysuric, nephrotic, nephrotic, nephritic, hypertensive and renal insufficiency) in nephrology.	Predisposing factors and causes leading to the development of dysuric, nephrotic, nephrotic, hypertensive syndromes and (acute and chronic) renal insufficiency.	LR 1	1	Overview lecture	Blitz survey on the topic		
	2.Propaedeutics of childhood diseases Diagnosis of the main syndromes of the urinary system in children	Symptoms of urinary, nephrotic, nephritic, AKF, CKF syndromes	LO1	1	Overview lecture	Blitz survey on the topic		
	3. Pathological physiology of organs and systems (Pathophysiolo gy of kidneys. Disorders of the function of the	Violation of glomerular filtration and tubular reabsorption.Tubulopathy. The role of the kidneys in the violation of water- electrolyte metabolism and acid-base state. Renal and extrarenal disorders in	LO 1 LO 5	1	Overview lecture	Blitz survey on the topic		

	үстік Қазақстан медиці	мерізіна Акареміясы» Ақ ина академиясы» Ақ		захстанская м	ледицинская ак	
Departme	«Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical rrriculum (syllabus) on the module "N	Pharmacolo	gy»	e Medicine»,	044-47/11 43стр. из 104
			1		I	
	glomeruli and tubules.)	kidney pathology. Etiology and pathogenesis of nephritic and nephrotic syndrome. Renal insufficiency, types, etiopathogenesis, age- related features. Acute renal failure. Chronic renal failure.Uremia.Age-related features of renal				
	4. Pathological anatomy of organs and systems (Genitourinary system)(Patholo gical anatomy of kidney diseases) 5. Pharmacology (Drugs affecting	dysfunction. Glomerulopathy. Glomerulonephritis.Nephrot ic syndrome. Amyloidosis of the kidneys. Tubulopathy. Pyelonephritis. Acute and chronic renal failure. Urolithiasis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death Classification of drugs affecting the urinary system.	LR 1 LR 5 LO 6	1	Overview lecture Overview lecture	Blitz survey on the topic
	the function of the urinary system	Medications used for nephrotic, nephritic, dysuric syndrome. Drug therapy for acute renal failure and CRF. Mechanism of action. Indications for use. Contraindications. Practice	al classes			
	1. Propaedeutics of internal diseases. Leading clinical syndromes (dysuric, nephrotic, nephrotic, nephritic, hypertensive and renal insufficiency) in nephrology.	Predisposing factors and causes leading to the development of dysuric, nephrotic, nephrotic, hypertensive syndromes and (acute and chronic) renal insufficiency. Clinical features.	LR 2,3	3	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.

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value.					
2.Propaedeutics of childhood diseases Clinical and laboratory characteristics of urinary, dysuric, nephritic and nephrotic syndromes in children of different age	The main symptoms of urinary, dysuric, nephritic and nephrotic syndrome, acute and chronic kidney damage in children of different age groups. Methods and preparation of patients for laboratory and instrumental examination with urinary, dysuric, nephritic and nephrotic syndrome.	LO 2, 3	3	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
groups. 3. Pathological physiology of organs and systems (Pathophysiolo gy of kidneys. Disorders of the function of glomeruli and tubules)	Violation of glomerular filtration and tubular reabsorption.Tubulopathy. The role of the kidneys in the violation of water- electrolyte metabolism and acid-base state. Renal and extrarenal disorders in kidney pathology. Etiology and pathogenesis of nephritic and nephrotic syndrome. Renal insufficiency, types, etiopathogenesis, age- related features. Acute renal failure. Chronic renal failure.Uremia. Age-related features of renal dynfunction	LO 1,5	3	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method
4.Pathological anatomy of organs and systems (Urinary system) (Pathology anatomy of kidney diseases)	dysfunction. Glomerulopathy. Glomerulonephritis. Nephrotic syndrome. Amyloidosis of the kidneys. Tubulopathy. Pyelonephritis. Acute and chronic renal failure. Urolithiasis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1, 5	3	Discussion of the topic, study and description of macro- and micro- preparations , macrophoto graphs and microphoto graphs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich»

ОЙТÚSTIK QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ



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					method
5. Pharmacology (Drugs affecting the function of the urinary system)	Classification of drugs affecting the urinary system. Medications used for nephrotic, nephritic, dysuric syndrome. Drug therapy for acute renal failure and CRF. Mechanism of action. Indications for use. Contraindications.	LO6	3	Working in small groups	Oral discussion, dose calculation, prescription writing
	S	IW			
1. Propaedeutics of internal diseases. SROP. Consultation on the implementation of SRO. The task is URGENT Topic: Protection of practical skills in the gastrointestinal, urinary, hematopoietic, musculoskeletal, endocrine, nervous systems.	Protection of practical skills (palpation, percussion, auscultation) by systems: Gastrointestinal, urinary, hematopoietic, musculoskeletal, endocrine, nervous.	LR 4,5,6,7	6 (2/4)	Protection of practical skills. Working with the Cyber patient platform	Practical skills checklist. Feedback mutual evaluation of students by the «Sandwich method.
2.Propaedeutics of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Anomalies in the development of the urinary system.	Anomalies in the development of the urinary system.	LO 4,5,6,7	5 (2/3)	Protection of practical skills. Working with the Cyber patient platform	Checklist for evaluation of analysis, analysis of scientific articles
3. Pathological physiology of organs and systems	Malformations of the genitourinary system, types, causes and mechanisms of formation	LO 1,5	2/5	Preparation and performing of	Performing of presentatio

OŃTÚSTIK QAZAQSTAN 2062 SOUTH KAZAKHSTAN SKMA MEDISINA MEDICAL АСАDEMY АО «Южно-Казахстанская медицинская академия» AKADEMIASY <u>....</u> «Оңтүстік Қазақстан медицина академиясы» АҚ Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 46стр. из 104 Working curriculum (syllabus) on the module "Man and disease" (Consultation presentation on the implementation of the SIW topic: (Malformations of the genitourinary system) Malformations Verification 4. Pathological of the LR 1,5 7(2/5)Discussion anatomy of genitourinary system. of the of organs and Ovarian apoplexy. topic: work descriptions Pathology of pregnancy and of macrosystems with macro (Consultation the postpartum period. and microand on the Etiology. microphot preparations ographs: implementation Pathogenesis. , macro- and of SRO 9. Task Morphogenesis. description microphoto SRO. Pathological anatomy. of macro graphs/ Genitourinary Complications. checklists and Causes of death microphot Feedback system) ographs mutual according evaluation of students to the scheme: by the «Sandwich» preparation method of an electronic version on the topic Working with the Cyber patient platform 7 5. Drugs used for chronic renal LO 6 Checklist Protection Pharmacology failure (2/5)of (presentatio (SIWT. presentation n, abstract). Consultation on s, abstracts. the Working implementation with the of SIW. Cyber Drugs used for patient chronic renal platform failure) <u>№10</u> Lectures The 1. Propaedeutics Predisposing factors LR 1 1 Overview Blitz survey endoc and of internal leading on the topic causes to the lecture rine diseases. development of hypo- and syste

Leading clinical

hyperthyroidism syndrome.

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	1	I		1	1	1
m	syndromes					
	(hypo -					
	hyperthyroidism					
	) of					
	endocrinology.					
	2.Propaedeutics	Clinical manifestation of	LO 1	1	Overview	Blitz survey
	of childhood	syndromes: hypo –	201	-	lecture	on the topic
	diseases	hyperthyroidism, hypo –			lecture	on the topic
		••••••••				
	Diagnosis of the	hyperglycemia.				
	main syndromes					
	of the endocrine					
	system in					
	children					
	3. Pathological	The main mechanisms of		1	Overview	Blitz survey
	physiology of	endocrine gland	LO 5		lecture	on the topic
	organs and	dysfunction. Violation of				
	systems	the central mechanisms of				
	(Pathophysiolo	regulation. Violation of				
	gy of the	trans- and para-pituitary				
	endocrine	regulation. Feedback				
	system.)	mechanism. Pathological				
	system)	processes in the gland itself:				
		infectious processes and				
		intoxication, tumor				
		, , , , , , , , , , , , , , , , , , ,				
		processes, genetically				
		determined defects in				
		hormone biosynthesis.				
		Peripheral mechanisms of				
		hormone activity disorders.				
		Hypo- and hyperfunction of				
		the pituitary gland.				
		Panhypopituitarism. Hypo-				
		and hyperfunction of the				
		adrenal glands.				
		Corticosteroid insufficiency.				
		Hypo- and hyperfunction of				
		the thyroid gland. Hypo-				
		and hyperfunction of the				
		parathyroid glands.				
		Hypothyroidism concept,				
		types, etiology,				
		pathogenesis.				
		types, etiology,				
	1 Dath -1 - 1 - 1	pathogenesis.	ID 1	1	Oversie	Dlite and
	4. Pathological	Colloidal goiter.	LR 1	1	Overview	Blitz survey
	anatomy of	Parenchymal goiter.	LR 5		lecture	on the topic
	organs and	Endemic goiter. Sporadic				
	systems	goiter. Diffuse toxic goiter.				
	(Pathology of	Myxedema. Etiology.				

SKMA MEDISINA MEDICAL АСАDEMY АО «Южно-Казахстанская медицинская академия» AKADEMIASY . sli. «Оңтүстік Қазақстан медицина академиясы» АҚ Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 48стр. из 104 Working curriculum (syllabus) on the module "Man and disease" the anatomy of Pathogenesis. the endocrine Morphogenesis. Pathological anatomy. system) Complications. Causes of death LO 6 5. Pharmacology Drugs used for 1 Overview Blitz survey ((Drugs used in hypothyroidism in adults. lecture on the topic diseases of Drugs used for hyperthyroidism, their effect thyroid gland) on metabolism. Antithyroid drugs, beta-blockers, glucocorticosteroids. Indications and contraindications. Side effects. Practical classes Checklist of 1. Propaedeutics Predisposing factors and LR 2,3 2 Discussion of internal causes leading the of the topic to an oral development of hypo- and of the diseases. survey, Leading clinical hyperthyroidism syndrome. lesson, mastering syndromes Clinical features. practical mastering (hypo practical skills. hyperthyroidism skills. ) in endocrinology. Diagnostic value. 2.Propaedeutics Checklist of LO 2.3 2 Principles of questioning, Discussion of childhood anamnesis collection and an of the topic an oral diseases objective method of of the survey, studying sick children of Diagnosis of lesson, mastering hypo different age groups with mastering practical hyperthyroidism hypo - hyperthyroidism practical skills. syndrome in skills. children of different age groups. The main mechanisms of LO 1 2 Checklist 3.Pathophysiolo Performing gy of organs practical Feedback endocrine gland LO 5 and systems dysfunction. Violation of work. mutual the central mechanisms of (Pathophysiolog solving case evaluation y of endocrine regulation. Violation of study, of students system) trans- and para-pituitary discussing by the regulation. Feedback «Sandwich» the main mechanism. Pathological method issues processes in the gland itself: of the topic, infectious processes and solving intoxication, tumor **MCQs** 

processes, genetically

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«Pharmace		, «Pathology Pharmacolo	and Forensic gy»		демия» 044-47/11 49стр. из 104
w orking c	urriculum (sylladus) on the module N	fan and dise	ase		1
4. Pathological anatomy of organs and systems (Endocrine system) (Pathology of the endocrine system) (Pathology of the endocrine system)	determined defects in hormone biosynthesis. Peripheral (extra-vascular) mechanisms of hormone activity disorders.Hypo- and hyperfunction of the pituitary gland. Panhypopituitarism. Hypo- and hyperfunction of the adrenal glands. Corticosteroid insufficiency. Hypo- and hyperfunction of the thyroid gland. Hypo- and hyperfunction of the parathyroid glands. Hypothyroidism concept, types, etiology, pathogenesis.Hyperthyroidis m, concept, types, etiology, pathogenesis. Colloidal goiter. Parenchymal goiter. Endemic goiter. Sporadic goiter. Diffuse toxic goiter. Myxedema. Hypothyroidism. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1, 5	3	Discussion of the topic, study and description of macro- and micro- preparatio ns, macrophot ographs and microphot ographs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method Oral
<b>5.</b> Pharmacology (Drugs used in thyroid diseases)	Drugs used for hypothyroidism in adults. Drugs used in hyperthyroidism, their effect on metabolism. Antithyroid drugs, $\beta$ -blockers, glucocorticosteroids. Indications and contraindications. Side effects.	LO 6	2	Small group work	Oral interview. Solution of test tasks and situational problems. Prescription writing
		IW			

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	ng curriculum (syllabus) on the module "				50стр. из 104
1.Propaedeut	ics Complaints, anamnestic	LR	6	Performing	Feed-back
of internal diseases. SIWT. Consultation of the	features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes	4,5,6,7	(2/4)	practical skills. Working with the Cyber	to each student using the "Sandwich" method. Practical
implementation of SIW <b>Topic and tast</b> <b>of the SIW:</b> Syndromes (hypo - hyperthyroidis) ) in endocrinology	system.			patient platform	skills assessment checklist.
2.Propaedeut of children's diseases SIWT. Consultation of the implementation of SIW Topic and tas of the SIW: Syndromes of hypo- and hyperparathyr dism in childhood	ics Clinical manifestations.	LO 4,5,6,7	6 (2/4)	Reception of practical skills. Working with the Cyber patient platform	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical skills.
3. Pathologic: physiology of organs and systems Consultation the implementati of SIW topic: (Malformatic of the endocrine system)	<ul> <li>endocrine system, types, causes and mechanisms of formation.</li> <li>on</li> <li>on</li> </ul>	LO 1,5	2/4	Preparation and performing of presentation	
4. Pathologica anatomy of organs and systems (SYRUP. Consultation of the implementation	Autoimmune diseases of the thyroid gland Hashimoto. Riddel. Etiology. on Pathogenesis. Morphogenesis.		6(2/4)	Discussio n of the topic; work with macro and micropho	Verification of descriptions of macro- and micro- preparations , macro- and microphoto

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	nts: «Propaedeutics of «Pharmaco	Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical	, «Pathology Pharmacolog	and Forensic gy»		044-47/11 51стр. из 104	
	Working cu	rriculum (syllabus) on the module "M	lan and disea	ase"			
	of SRO 10. The task of the SRO. (Pathology of the endocrine system)	Complications. Causes of death	LO 6	7 (2/5)	tographs: descriptio n of macro and micropho tographs according to the scheme; preparati on of an electronic version on the topic. Working with the Cyber patient platform Presentation s, abstracts. Working with the Cyber patient platform	graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method Checklist (presentatio n, abstract).	
<u>№11</u>	goiter.)	Lec	tures				
The							
endoc rine syste m	1. Propaedeutics of internal diseases. Leading clinical syndromes (hypo - hyperglycemia) in endocrinology.	Predisposing factors and causes leading to the development of hypo– and hyperglycemia syndrome.	LR 1	1	Overview lecture	Blitz survey on the topic	
	2.Propaedeutics of children's diseases Diagnosis of the	Symptoms, causes of hypoglycemic and hyperglycemic coma syndromes. Adrenogenital	LO 1	1	Overview lecture	Blitz survey on the topic	



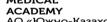
ОŃTÚSTIK QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ Оңтүстік Қазақстан медицина академиясы» АҚ	медицинская ака	адемия»
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Working curriculum (syllabus) on the module "Man and disease"		

	nain syndromes	syndrome				
	of the endocrine					
	system in					
	children					
	3. Pathological	Disorders of the intracretory	LO 1, 5	1	Overview	Blitz survey
	ohysiology of	function of the pancreas.			lecture	on the topic
	organs and	Diabetes mellitus,				
	systems	Concept,types,etiopathogen				
	Pathophysiolo	esis, complications				
	gy of the					
	ntracretory					
f	unction of the					
I	pancreas.)					
	4. Pathological	Diabetes mellitus. Etiology.	LR 1,		Overview	Blitz survey
	anatomy of	Pathogenesis.	5		lecture	on the topic
	organs and	Morphogenesis.				
	systems	Pathological anatomy.				
	(Pathology of	Complications.				
	the endocrine	Causes of death				
	system)					
5	5.	Drugs used for	LO 6	1	Overview	Blitz survey
	Pharmacology	hyperglycemia and			lecture	on the topic
	Drugs used for	hypoglycemia. Drugs used				
	nyperglycemia	for hypoglycemia				
	and	syndrome.Mechanism of				
ł	nypoglycemia	action, indications. Side				
_		effects.				
		Practica	al classes			
1	. Propaedeutics	Predisposing factors and	LR 2,3	2	Discussion	Checklist of
	of internal	1 0	LK 2,3	2		
		e			of the topic of the	an oral
-	liseases.	development of hypo– and hyperglycemia syndrome.				survey,
	Leading clinical syndromes	Clinical features.			lesson,	mastering
	•	Clinical leatures.			mastering	practical skills
	hypo -				practical skills.	SKIIIS
	nyperglycemia)				SKIIIS.	
	n					
	endocrinology.					
	Diagnostic					
	value.	Dringinlag of granting in	1022	2	Diagonasian	Chaplelist of
	2.Propaedeutics	Principles of questioning,	LO 2, 3	2	Discussion	Checklist of
	of children's	anamnesis collection and an			of the	the oral
	liseases	objective method of			lesson	survey.
	Diagnosis of	studying sick children with			topic,	Testing
	nypo –	hypo - hyperglycemic			oral survey	
	nyperglycemia	syndromes. Principles of				
	syndrome in	diagnostics.				
C	children.	Adrenogenital syndrome				

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	ина академиясы» АҚ УССУ АО Internal Diseases », «Pediatrics №1 » logy, Pharmacotherapy And Clinical	, «Pathology	and Forensic		демия» 044-47/11 53стр. из 104
Working cu	rriculum (syllabus) on the module "M	Ian and disea	ise"		
3. Pathological physiology of organs and systems (Pathophysiolo gy of the intracretory function of the pancreas.)	Disorders of the intracretory function of the pancreas. Diabetes mellitus, concept, types, etiopathogenesis, complication.	LO 1 LO 5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method
4. Pathological anatomy of organs and systems (Pathology of the endocrine system)	Diabetes mellitus. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	2	Discussion of the topic, study and description of macro- and micro- preparations , macrophoto graphs and microphoto graphs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Drugs used for hyperglycemia and hypoglycemia	Drugs used for hyperglycemia and hypoglycemia Drugs used for hypoglycemia syndrome. Mechanism of action, indications. Side effects.	LO 6	2	Working in small groups	Oral discussion, dose calculation, prescription writing
1.Propaedeutics of internal diseases SROP. Consultation on the	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes	LR 4,5,6,7	6 (2/4)	Performing practical skills Working with the Cyber	Feedback mutual evaluation of students by the «Sandwich»
implementation	of diseases of the endocrine			patient	method, a

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of SRO. SRO task Topic: syndromes (hypo - hyperglycemia) in	system.			platform	checklist for assessing practical skills.
endocrinology. 2.Propaedeutics of children's diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Sex glands: sex formation and maturation.	Sex glands: sex formation and maturation. Classification. Estimates of puberty. Problems of obesity among children	LO 4,5,6,7	6 (2/4)	Performing practical skills Working with the Cyber patient platform	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical skills.
3. Pathological physiology of organs and systems Consultation on the implementation of SIW topic: (Autoimmune mechanisms of endocrine disorders)	Mechanisms of autoimmunization. Types of autoantibodies that damage the cells of the endocrine glands. Variants of binding of autoantibodies to receptors.	LO 1 LO 5	2/4	Preparation and performing of presentation	Performing of presentation
4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementatio n of SRO 11. SRO task.	Sepsis. Pathological anatomy.	LR 1 LR 5	6 (2/4)	Discussion of the topic; work with macro and microphot ographs: descriptio n of macro and microphot ographs according to the scheme; preparatio n of an	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method

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4. Pathological anatomy of organs and systems (Hematopoietic system. Anemia (acute and chronic).)	of the development of anemia in childhood. Erythrocytosis. Pathological forms of red blood cells Anemia. Posthemorrhagic, deficient, hypo- and aplastic, hemolytic. Acute and chronic. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications.	LR1 LR 5	1	Overview lecture	Blitz survey on the topic
5. Pharmacology (Agents affecting the blood system)	Causes of death Drugs used for anemia syndrome. Classification. The mechanism of development. Comparative characteristics of drugs, application, side effects	LO 6	1	Overview lecture	Blitz survey on the topic
	Practica	l classes			
1. Propaedeutics of internal diseases. Leading clinical syndromes (anemic) in hematology. Diagnostic value.	Predisposing factors and causes leading to the development of anemic syndrome. Clinical features	LR 2,3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
2.Propaedeutic s of children's diseases Clinical and laboratory diagnostics of anemic and hemorrhagic syndrome in children. Hematological syndrome in COVID-19	The principles of questioning, anamnesis collection and an objective method of studying sick children of different age groups with sanemic and hemorrhagic syndrome. Principles of diagnosis and laboratory characteristics of anemic and hemorrhagic syndrome in children.	LO 2,3	3	PBL	REED Checklist
3. Pathological physiology of organs and systems	Anemia, etiology, classification, manifestations. Posthemorrhagic, hemolytic	LO 1 LO 5	3	Performing practical work, solving	Checklist Feedback mutual evaluation

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(Practical lesson. Pathophysiolog y of the blood system. Pathology of red blood cells.	and dyserythropoietic anemia. Anemia in chronic diseases. Pathophysiological principles of prevention and therapy of anemia. Features of the development of anemia in childhood. Erythrocytosis. Pathological forms of red blood cells			case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	of students by the «Sandwich» method
4. Pathological anatomy of organs and systems (Pathology of the hematopoietic system)	Anemia. Posthemorrhagic, deficient, hypo- and aplastic, hemolytic. Acute and chronic. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death	LR 1 LR 5	2	Discussion of the topic, study and description of macro- and micro- preparations , macrophoto graphs and microphoto graphs	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Agents affecting the blood system)	Drugs used for anemia syndrome. Classification. The mechanism of development. Comparative characteristics of drugs, application, side effects.	LO 6	3	Working in small groups	Oral interview. Solving test tasks and situational tasks. Prescription writing
	S	IW			
1.Propaedeutic s of internal diseases. SROP. Consultation on the implementation of SRO. SRO task Topic:	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of diseases of the hematopoietic system.	LR 4,5,6,7	6 (2/4)	Performing practical skills Working with the Cyber patient platform	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical

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Syndromes					skills.
(anemic) in					
hematology.					
2.Propaedeutic	Laboratory and instrumental	LO	5	Performing	Feedback
s of children's	characteristics in	4,5,6,7	(2/3)	practical	mutual
diseases	hemorrhagic and anemia			skills	evaluation
SIWT.	syndrome in children. CBC			Working	of students
Consultation on	and coagulogram indicators			with the	by the
the				Cyber	«Sandwich»
implementation				patient	method, a
of SIW				platform	checklist for
Topic and task				1	assessing
of the SIW:					practical
Laboratory -					skills.
instrumental					
characteristics					
of hemorrhagic					
and anemic					
syndrome in					
children.					
3. Pathological	Hemorrhagic syndrome.	LO1	6 (2/4)	Preparation	Performing
physiology of	Thrombocytopenia and	LO 5	- ( - )	and	of
organs and	thrombocytopathy, concept,			performing	presentation
systems	types, causes. Mechanisms			of	1
(Consultation	of formation.			presentation	
on the				1	
implementation					
of SIW topic:					
(Malformations					
of					
Hematopoietic					
system)					
4. Pathological	Morphology of hemorrhagic	LR 1,5	6 (2/4)	Discussion	Verification
anatomy of	syndrome.			of the	of
organs and	Thrombocytopenia and			topic; work	descriptions
systems	thrombocytopathy. Etiology.			with macro	of macro-
(SYRUP.	Pathogenesis.			and	and micro-
Consultation	Morphogenesis.			microphoto	preparations
on the	Pathological anatomy.			graphs:	, macro- and
implementation	Complications.			description	microphoto
of SRO 12.	Causes of death			of macro	graphs/
SRO task)				and	checklists
				microphoto	Feedback
				graphs	mutual
				according	evaluation
				to the	of students
				scheme;	by the
				preparation	«Sandwich»
				of an	method
				electronic	"Sandwich"

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	<ul> <li>therapy. Features of the course of leukemia in children. Hemostasis disorders. Hemorrhagic diathesis and syndromes.</li> <li>Etiology and pathogenesis of thrombocytopenia, thrombocytopathies, vasopathies, coagulopathies. Thrombophilia.</li> <li>Pathophysiological principles of prevention and the second seco</li></ul>				
	therapy of hemostasis disorders. Features of the development of hemostasis disorders in childhood				
4. Pathologica anatomy of organs and systems (Hematopoieti system)(Lymp oproliferative diseases)	<ul> <li>leukemias, lymphomas.</li> <li>Lymphosarcoma,</li> <li>lymphogranulomatosis.</li> <li>Myeloma disease.</li> </ul>	LR 1, 5	1	Overview lecture	Blitz survey on the topic
5. Pharmacology (Agents affecting the blood system)	<ul> <li>Drugs used for hemorrhagic and myelo- and lymphoproliferative syndrome.</li> <li>Drugs used in chronic myeloid leukemia. Drugs used for multiple myeloma Features of use in children</li> </ul>	LO 6	1	Overview lecture	Blitz survey on the topic
	Practic	al classes			
1. Propaedeution of internal diseases. Leading clinicat syndromes (hemorrhagic and thrombocytope ic) in hematology. Diagnostic value.	causes leading to the development of hemorrhagic and thrombocytopenic syndromes. Clinical features.	LR 2,3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills.
2.Propaedeuti s of children's	e Principles of questioning, anamnesis collection and an	LO 2,3	2	Discussion of the topic	

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diseases	objective method of			of the	survey,	
Clinical and	investigation of patients			lesson,	mastering	
laboratory	with myelo - and			mastering	practical	
characteristics	lymphoproliferative			practical	skills.	
of myelo- and	syndromes. Principles of			skills.		
lymphoprolifera	diagnosis and laboratory					
tive syndrome in	characteristics of myelo -					
children.	and lymphoproliferative					
	syndromes in children.					
3. Pathological	Leukocytosis and	LO 1, 5	2	Performing	Checklist	
physiology of	leukopenia, types, causes,			practical	Feedback	
organs and	features of development in			work,	mutual	
systems	childhood. Pathological			solving	evaluation	
(Pathology of	forms of leukocytes.			case-study,	of students	
leukocytes.	Leukemoid reactions.			interpreting	by the	
Hemostasis disorders)	Leukemia, etiopathogenesis,			the results of clinical	«Sandwich» method	
uisoi uei s)	classification, principles of the			and	memou	
	course of leukemia in			laboratory		
	children. Hemostasis			studies,		
	disorders. Hemorrhagic			discussing		
	diathesis and syndromes.			the main		
	Etiology and pathogenesis			issues of the		
	of thrombocytopenia,			topic,		
	thrombocytopathies,			solving		
	vasopathies, coagulopathies.			MCQs		
	Thrombophilia.					
	Pathophysiological					
	principles of prevention and					
	therapy of hemostasis					
	disorders. Features of the					
	development of hemostasis					
4. Pathological	disorders in childhood Acute and chronic	LR 1,5	2	Discussion	Verification	
4. Pathological anatomy of	leukemias, lymphomas.	LIX 1,J	4	of the topic,	of	
organs and	Lymphosarcoma,			study and	descriptions	
systems	lymphogranulomatosis.			description	of macro-	
(Lymphoprolif	Myeloma disease.			of macro-	and micro-	
erative	Etiology. Pathogenesis.			and micro-	preparations	
diseases)	Morphogenesis.			preparations	, macro- and	
	Pathological anatomy.			,	microphoto	
	Complications.			macrophoto	graphs/	
	Causes of death			graphs and	checklists	
				microphoto	Feedback	
				graphs	mutual	
					evaluation	
					of students	
					by the «Sandwich»	
					«Sandwich» method	
					method	

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Working ci	irriculum (syllabus) on the module "N	lan and dise	ase		
<b>5.</b> Pharmacology (Agents affecting the blood system)	Drugs used for hemorrhagic and myelo- and lymphoproliferative syndrome. Drugs used in chronic myeloid leukemia.Drugs used for multiple myeloma Features of use in children.	LO 2,3,4,5	2	Working in small groups	Oral discussion, dose calculation, prescription writing
	S	IW			
1.Propaedeutic s of internal diseases. SROP. Consultation on the implementation of SRO. SRO task Topic: Syndromes (hemorrhagic and thrombocytope nic) in hematology.	Complaints, anamnestic features, examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of diseases of the hematopoietic system.	LR 4,5,6,7	5 (2/3)	Performing practical skills	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical skills.
2.Propaedeutic s of children's diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: The lymphoid system in children. Morphological and functional immaturity, factors of their compensation, research methods. Lymph node enlargement syndrome	Features of the lymphoid system in children of different age groups. Lymph node enlargement syndrome. Methods for determining lymphadenopathy.	LO 4,5,6,7	6 (2/4)	Performing practical skills	Feedback mutual evaluation of students by the «Sandwich» method, a checklist for assessing practical skills.

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3. Pathological physiology of organs and systems (Consultation on the implementation of SIW topic:	DIC-syndrome, etiopathogenesis, stages, manifestations, outcomes.	LO 1 LO 5	7(2/5)	Preparation and performing of presentation	Performing of presentation
(DIC syndrome) 4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementation of SRO 11. SRO task. Diseases of the hematopoietic system) Project protection	DIC syndrome. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy	LR1,5	6 (2/4)	Discussion of the topic; work with macro and microphoto graphs: description of macro and microphoto graphs according to the scheme; preparation of an electronic version on the topic	of students by the «Sandwich» method Checklist for PBL Checklist for the completed
5. Pharmacology (SIWT. 1. SIW task Anticoagulant drugs. Drugs used for hereditary deficiency of clotting factors) Project protection	Anticoagulant drugs. Drugs used for hereditary deficiency of clotting factors. Drugs used for hemorrhagic disease of newborns (vitamin K).	LO 6	7 (2/5)	Presentation s, abstracts.	project Checklist (presentatio n, abstract, project)
1. Propaedeutics of internal diseases. Leading clinical	Lec Principles of questioning, anamnesis collection and an objective method of investigation of patients	LR 1	1	Overview lecture	Blitz survey on the topic

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№14 Musculo skeletal system	syndromes in rheumatology. Diagnostic value. <b>2.Propaedeutic</b> <b>s of children's</b> <b>diseases</b> Clinical syndromes of the musculoskeletal system in children.	withleadingclinicalsyndromesofthemusculoskeletalsystem.Syndrome of hypotensionandmuscularsystemdystrophy in children ofdifferentages.Symptoms ofossificationandabnormalitiesofsystemin children.	LO 1	1	Overview lecture	Blitz survey on the topic
	3. Pathological physiology of organs and systems (Pathophysiolo gy of the musculoskeleta l system.)	Inflammatory and dystrophic lesions of the musculoskeletal system. Hereditary and acquired osteopathies, osteoporosis and osteomalacia, osteoarthritis and arthritis, etiopathogenesis. Myopathy. Age-related features of pathology of the musculoskeletal system.Arthritis, concept, types, etiology, pathogenesis.Arthrosis, concept, types, etiology, pathogenesis.	LO 1,5	1	Overview lecture	Blitz survey on the topic
	4. Pathological anatomy of organs and systems (Pathology of the musculoskeleta l system)	Rheumatoid arthritis. Osteoarthritis, osteoporosis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Issue.	LR 1,5	1	Overview lecture	Blitz survey on the topic
	5. Pharmacology (Drugs used for diseases of the musculoskeleta l system)	Drugs used for osteoarthritis Drugs that affect the formation of the skeleton and regulate calcium- phosphorus metabolism. Drugs used for osteoarthritis. Nonsteroidal and steroid anti- inflammatory drugs. Basic drugs used for rheumatoid arthritis. Classification, mechanism of action,	LO 6	1	Overview lecture	Blitz survey on the topic

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Departments: «Propaedeutic «Phar	s of Internal Diseases », «Pediatrics №1 » nacology, Pharmacotherapy And Clinical ng curriculum (syllabus) on the module "N	, «Pathology Pharmacolo	and Forensic gy»		044-47/11 65стр. из 104
	indications, contraindications, side effects. Features of the application, in the age aspect.				
		al classes	<u> </u>		
1. Propaedeut of internal diseases. Leading clinic syndromes in rheumatology Diagnostic value.	anamnesis collection and an objective method of investigation of patients with leading clinical	LR 2,3	2	Discussion of the topic of the lesson, mastering practical skills.	Checklist of an oral survey, mastering practical skills
2.Propaedeut s of children' diseases Clinical syndromes of the musculoskele system in children.	ic The principles of questioning, anamnesis collection and an objective method of studying sick children of different age groups with pathologies of	LO 2,3	2	Discussion of the topic of the lesson	Checklist of the oral survey
3. Pathologic physiology of organs and systems (Pathophysio gy of the musculoskele l system)	<ul> <li>Inflammatory and dystrophic lesions of the musculoskeletal system. Hereditary and acquired</li> <li>osteopathies, osteoporosis and osteomalacia,</li> </ul>	LO 1,5	2	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	Checklist Feedback mutual evaluation of students by the «Sandwich» method
4. Pathologi anatomy of organs and systems (Pathology of the musculosked al system)	f Osteoporosis. Osteoarthritis. Osteomyelitis. Myasthenia gravis.	LR 1,5	2	Discussion of the topic, study and description of macro- and micro- preparatio ns,	Verificatio n of description s of macro- and micro- preparation s, macro- and microphoto

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					macrophot ographs and microphot ographs	graphs/ checklists Feedback mutual evaluation of students by the «Sandwich » method
	5. Pharmacology (Drugs used for diseases of the musculoskeletal system)	Drugs used for osteoarthritis Drugs that affect the formation of the skeleton and regulate calcium- phosphorus metabolism. Drugs used for osteoarthritis. Nonsteroidal and steroid anti- inflammatory drugs. Basic drugs used for rheumatoid arthritis. Classification, mechanism of action, indications, contraindications, side effects. Features of the application, in the age aspect.	LO 6	2	Working in small groups	Oral discussion, dose calculation, prescription writing
		SI	W			
	Integrated midterm examination No. 2 in the module ''Human and disease''	Integrated clinical case- studies + 2 questions for each discipline. Topics of lectures, practical classes, SIWT from week 8 to week 14 in 5 disciplines	LO 1,2,3,4 ,5,6	10	Oral survey in 5 disciplines (cards)	Checklists for midterm examination
<b>№</b> 15	uisease	Lec	tures			
Geron tology	1.Propaedeuticsof internaldiseases.Features ofclinicalsyndromes(diseases ofinternal organsand endocrinesystem, benignmalignantneoplasms and	Predisposing factors and causes leading to the development of leading clinical syndromes (diseases of internal organs and endocrine system, benign malignant neoplasms and mental disorders) in senile and elderly people. Clinical features.	LR1	1	Overview lecture	Blitz survey on the topic

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-	1		-		1	
mental						
disorders) in						
elderly and						
elderly people		101	1		DI	
2.Propaedeutic	Clinical picture of primary	LO 1	1	Overview	Blitz survey	
s of children's	and secondary			lecture	on the topic	
diseases	morphological elements of					
Features of the	the skin in children of					
structure of the	different age groups.					
skin and their						
appendages in						
children. Skin						
research						
methodology.						
Semiotics of						
skin lesions.		LOI	1		DI	
3. Pathological	Mechanisms of aging.	LO1	1	Overview	Blitz survey	
physiology of	Changes in organs in the	LRO5		lecture	on the topic	
organs and	aging process.Causes and					
systems	mechanisms of development					
(Features of	of leading syndromes in old					
leading	age					
syndromes in						
gerontology						
and geriatrics)		ID 1	4		DI	
4. Pathological	Atherosclerosis of cerebral	LR 1	1	Overview	Blitz survey	
anatomy of	vessels. Senile dementia.	LR 5		lecture	on the topic	
organs and	Alzheimer's disease. Skin					
systems	diseases in children.					
(Individual	Etiology.					
clinical	Pathogenesis. Pathological					
syndromes	anatomy.					
senile and	Complications. Issue.					
childish age)	Draw wood in porking opion	101	1	Overview		
5. Dharmaaalagu	Drugs used in parkinsonism.	LO 1	1	Overview lecture	Blitz survey	
Pharmacology (Drugs used for	Principles of drug therapy for Alzheimer's disease.			lecture	on the topic	
Parkinsonism,	Pharmacotherapy of					
Alzheimer's	depressive syndrome					
disease)	depressive syndrome					
uisease)	Droctics			I		
Practical classes						
1. Propaedeutics	Predisposing factors and	LR 2,3	2	Discussion	Checklist of	
of internal	causes leading to the			of the topic	an oral	
diseases.	development of leading			of the	survey,	
Features of	clinical syndromes (diseases			lesson,	mastering	
clinical	of internal organs and			mastering	practical	
syndromes	endocrine system, benign			practical	skills.	
(diseases of	malignant neoplasms and			skills.		

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internal organs and endocrine system, benign malignant neoplasms and mental disorders) in senile and elderly people. Diagnostic value.	mental disorders) in senile and elderly people. Clinical features.				
2.Propaedeutic s of children's diseases Methods of skin and subcutaneous adipose tissue research. Semiotics of skin lesions, subcutaneous fat, appendages in children of different age groups	The principles of questioning, anamnesis collection and an objective method of studying sick children of different age groups with pathologies of the skin and their appendages. Assessment of the degree of development, distribution, consistency of fat, turgor of soft tissues, the presence of edema, emphysema. Insufficient, excessive fat deposition, lipomatosis, lipodystrophy, seals. Dystrophic, infectious and allergic skin changes, features of rashes in children	LO 2,3	3	Discussion of the topic of the lesson, mastering practical skills.	Checklist of the oral survey, the assimilation of practical skills
3. Pathological physiology of organs and systems (Features of leading syndromes in gerontology and geriatrics)	Mechanisms of aging. Changes in organs in the aging process.Causes and mechanisms of development of leading syndromes in old age	LO 1 LO 5	3	Performing practical work, solving case-study, interpreting the results of clinical and laboratory studies, discussing the main issues of the topic, solving MCQs	
4. Pathological anatomy of organs and systems	Atherosclerosis of cerebral vessels. Senile dementia. Alzheimer's disease. Skin diseases in children.	LR 1,5	3	Discussion of the topic, study and description	Verification of descriptions of macro-

SKMA -1979-OŃTÚSTIK QAZAQSTAN SOUTH KAZAKHSTAN MEDISINA MEDICAL АСАРЕМУ АО «Южно-Казахстанская медицинская академия» AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 69стр. из 104 Working curriculum (syllabus) on the module "Man and disease" (Individual Etiology. of macroand microclinical Dathogenesis Dathological *.*.

clinical syndromes senile and childish age)	Pathogenesis. Pathological anatomy. Complications. Issue.			and micro- preparations , macrophoto graphs and microphoto graphs	preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology (Drugs used for Parkinsonism, Alzheimer's disease)	Drugs used in parkinsonism. Principles of drug therapy for Alzheimer's disease. Pharmacotherapy of depressive syndrome.	LO2,3, 4,5	3	Working in small groups	Oral discussion, dose calculation, prescription writing
	S	IW			
1. Propaedeutics of internal diseases. SROP. Consultation on the implementation of SIW. SIW task Topic: Protection of medical history.Analysis of a scientific article (Alzheimer's disease).	Correctly issue the title page and passport part of the medical history. Competently write complaints, anamnesis of the patient's life and illness, describe the general condition of the patient. Describe all systems by the algorithm (palpation, percussion, auscultation).	LR4,5, 6,7	5 (2/3)	Protection of the medical history. Analysis of a scientific article (Alzheimer' s disease).	Medical history checklist. The checklist of a scientific article.
2.Propaedeutic s of childhood diseases SIWT. Consultation on the implementation of SIW Topic and task of the SIW: Hypomelanosis	Hypomelanosis and hypermelanosis in children. Vascular formations of the skin. Clinical picture, symptoms.	LO 4,5,6,7	5 (2/3)	Preparation and defense of the abstract, presentation of the topic	Checklist of the presentation of the topic, abstract

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hypermelanosis in children. Vascular formations of the skin. <b>3. Pathological</b> physiology of organs and systems Consultation on the implementation of SIW topic: (Individual clinical Syndromes of senile and childich ago)	Alzheimer's disease. Causes and mechanisms of development.	LO 5	6(2/4)	Preparation and performing of the presentation	Performing of presentation
childish age) 4. Pathological anatomy of organs and systems (SYRUP. Consultation on the implementation of SRO 15. The task of the SIW (Individual clinical syndromes senile and childish age	Pathology of the skin and their appendages. Infectious and allergic skin changes	LR1,5	7 (2/5)	Discussion of the topic; work with macro and microphot ographs: description of macro and microphot ographs according to the scheme; preparation of an electronic version on the topic	Verification of descriptions of macro- and micro- preparations , macro- and microphoto graphs/ checklists Feedback mutual evaluation of students by the «Sandwich» method
5. Pharmacology Consultation on the implementation of SIW Drugs used for ankylosing spondylitis	Drugs used for ankylosing spondylitis (Bechterew's disease)	LO 2,3,4,5	6 (2/4)	Preparation and defense of the abstract, presentation of the topic	Checklist of the presentation of the topic, abstract
OSPE/OSCE	Integrated exam for 5 stations	LO 1,2,3,4, 5,6		Integrated clinical situations	Checklist for OSPE/OSC

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			Е
Total:	750		

9.	Training methods and forms of controls				
9.1	Lectures	Lecture overview			
9.2	Practical classes	Discussion of the lesson topic, acquisition of practical skills.			
9.3	SIW	PBL. Project analysis. Sick historyavn to write. Analysis of scientific articles. Acquisition of practical skills			
9.4	Midterm examination	<ul> <li>ME1: integrated monitoring of educational achievements, carried out upon completion of the nervous, respiratory, cardiovascular and digestive(1) systems.</li> <li>ME2: integrated control of educational achievements, carried out upon completion of the digestive (2), urinary, hematopoietic, endocrine, musculoskeletal system.</li> </ul>			
9.5	Intermediate control Final control	MCQ test in 5 disciplines OSPE, written exam			
	PID	Stage 1 - Integrated reception of practical skills. Stage 2 - Written exam			
	PCD				
	Pathological physiology	Stage 1 - Integrated reception of practical skills. Stage 2 - Written exam			
	Pathological anatomy	Stage 1 - Integrated reception of practical skills. Stage 2 - Written exam			
	Pharmacology	Stage 1 - Integrated reception of practical skills. Stage 2 - Written exam			
9.6	Analysis of scientific articles	Analysis of a scientific article			
9.7	Project execution	Project protection. For a perfectly executed project, incentives of $+10\%$ are provided for the assessment of midterm examination No. 1, No 2.			

10. Evaluation criteria					
10.1.Criteria for evaluating the learning outcomes of the module					
N⁰	The name of the learning	Unsatisfactory	Satisfactory	Good	Excellent
LO	outcomes				

«Or	ойти́ятік QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ АСАDEMY				
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LO 1       Demonstrates       knowledge       1) is not able to       1) it is difficult       1) defines the					1)independentl
	and understanding of the basics of semiotics and syndromology, etiology, pathogenesis and morphogenesis of pathological changes in organs and systems.	determine the basics of semiotics and syndromology, the main parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) does not explain the etiology, pathogenesis, morphogenesis of various diseases.	to determine the basics of semiotics and syndromology 2) knows the basic parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) it is difficult to determine the etiology, pathogenesis, morphogenesis of various diseases	basics of semiotics and syndromology 2)applies knowledge of basic parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) explains the etiology, pathogenesis, morphogenesis of various diseases.	y determines the basics of semiotics and syndromology 2) analyzes the basic parameters of laboratory and instrumental studies of pathological processes of organs and systems. 3) analyzes the etiology, pathogenesis, morphogenesis of various diseases.
LO 2	Owns the methods of questioning, physical examination of adults and children, uses clinical thinking in collecting information when drawing up a survey plan; outlines the scope of basic and additional studies to clarify the lesion syndrome.	1) is not able to conduct questioning, physical examination of the patient, to make an examination plan.	1) admits inaccuracies during questioning, physical examination of patients 2) it is difficult to collect information when drawing up a survey plan; 3) it is not able to justify a plan of basic and additional studies to clarify the lesion syndrome.	1) conducts questioning, physical examination of patients 2) collects information when drawing up a survey plan 3) justifies the planned volume of basic and additional studies to clarify the lesion syndrome.	<ol> <li>is fluent in the methods of questioning and physical examination</li> <li>independently conducts questioning, physical examination of patients</li> <li>uses clinical thinking in the collection of information and the preparation of an examination plan</li> <li>substantiates the indicated volume of basic and additional studies to</li> </ol>

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		1	1	1	1
					clarify the lesion syndrome.
LO 3	Uses clinical thinking in collecting information when interpreting the results of morphological, laboratory and instrumental methods of examination of patients with diseases of internal organs and systems; formulates a syndromic diagnosis; fills out a medical history.	1) is not able to recognize the connections between the clinical picture and the collected information, formulate a syndrome diagnosis and fill out a medical history.	1) has difficulties in recognizing the relationship between the clinical picture and the collected information 2) has difficulty in comparing the results of morphological, laboratory and instrumental methods of examining patients with diseases of internal organs and systems 3) is able to formulate a syndromal diagnosis 4) does not informatively fill in the history of the disease.	<ol> <li>recognizes the connections between the clinical picture and the collected information 2) compares the results of morphological, laboratory and instrumental methods of investigation of patients with diseases of internal organs and systems</li> <li>is able to formulate a syndromal diagnosis</li> <li>informatively and correctly fills in the history of the disease</li> </ol>	<ol> <li>possesses</li> <li>possesses</li></ol>
LO 4	Communicates information, ideas, problems and solutions to patients and their family members, knows the	1) unable to communicate with patients, their family members	1) has difficulty communicating proper information,	1) conveys appropriate information, ideas, problems and	1) objectively conveys appropriate information, ideas,
	norms of ethics and deontology in	2) does not comply with the	ideas, problems and	solutions to both	problems and solutions to
	communicating with	rules of ethics	solutions, both	specialists and	both
	patients, their relatives	and deontology	to specialists	non-specialists	specialists and
	and colleagues.	when	and non-	2)	non-specialists
		communicating	specialists	communicates	2)
		with patients,	2) he finds it	with patients	communicates
		their relatives	difficult to	and their	effectively
		(legal	communicate	family	with patients
		representatives)	with patients	members	and their

«Ou		MEDISINA DEMIASY	ОUTH KAZAKHSTAN AEDICAL ACADEMY AO «Южно-Казахстан	ская мелицинская а	калемия»
	nents: «Propaedeutics of Internal Dis «Pharmacology, Pharm Working curriculum (sp	eases », «Pediatrics № nacotherapy And Clinic	1 », «Pathology and Fe al Pharmacology»		044-47/11 74стр. из 104
		and the team.	and his family members 3) allows non- compliance with the norms of ethics and deontology in communication with patients, their relatives (legal representatives ) and the team.	3) adheres to the norms of ethics and deontology in communicatin g with patients, their relatives (legal representatives ) and the team.	family members, taking into account the peculiarities of psychology, multiculturalis m; 3) adheres to the norms of ethics and deontology in communicatin g with patients, their relatives (legal representatives ) and the team.
LO 5	Determines pathological processes at the organ and cellular levels, interprets data on the morphology of diseases taking into account the clinical data of patients, makes conclusions, explains the patterns of complications and outcomes of pathology of organs and systems, evaluates the results of experimental studies.	1) does not indicate the main morphological manifestations of various diseases 2) does not name the pathological processes of organs and systems at the organ, tissue and cellular levels.	<ol> <li>indicates the main morphological manifestations of various diseases</li> <li>names pathoanatomic changes of organs and systems at the organ, tissue and cellular levels</li> <li>does not make conclusions, does not name complications and outcomes of pathology of organs and systems</li> <li>conducts experimental research.</li> </ol>	<ol> <li>distinguishes the pathological anatomy of various diseases, their main morphological manifestations</li> <li>names pathoanatomic changes of organs and systems at the organ, tissue and cellular levels</li> <li>makes conclusions, names complications and outcomes of pathology of organs and systems</li> <li>analyzes the results of the conducted experimental studies.</li> </ol>	<ol> <li>and the team.</li> <li>anatomy of various diseases, their main morphological manifestations 2) independently determines the pathological changes of organs and systems at the organ, tissue and cellular levels</li> <li>analyzes pathological changes of organs, tissues and cellular levels</li> <li>analyzes pathological changes of organs, tissues and cells in various diseases, compares morphology with the clinic 4) makes conclusions, explains the laws of the</li> </ol>



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					development
					of
					complications
					and outcomes
					of pathology
					of organs and
					systems
					5) evaluates
					the results of
					experimental
LOC			1) 1 /	1) 1 /	studies
LO 6	Selects medicines in	1) determines	1) selects a	1) selects	1) selects
	accordance with the	the general	pharmacologic	medicines for	medicines
	diagnosis, writes	pharmacological	al groupof		from various
	prescriptions for	group of	medicinal	and prevention	pharmacologic
	medicines, determines the	medicines	products by		al groups in
	dosage regimen,	and prescribes a	organs and		accordance
	recognizes the undesirable	prescription	systems	diseases	with
	effects of medicines,	with the	2) prescribes a	2) prescribes a	indications for
	predicts the development	assumption of	prescription	prescription	use,
	of side effects of	errors.	using reference	for a given	contraindicatio
	medicines.		literature/sourc	drug without	ns and side
			es.	errors	effects
				3) calculates	2) prescribes a
				the dose of the	prescription
				drug	for medicines
					in the most
					acceptable
					dosage form,
					depending on
					age, gender,
					functional
					characteristics
					3) calculates
					doses by
					various
					methods and
					determines the
					frequency and
					duration of use
					of the drug.
LO 7	Formulates adequate	1) does not have	1) does not use	1)uses	1)analyzes
	research questions,	research skills	scientific and	scientific and	scientific and
	critically evaluates	2) has no desire	clinical	clinical	clinical
	professional literature,	for continuous	materials in the	materials in	materials in
	effectively uses	self-education	learning	the learning	the learning
	international medical	and	process	process	process
	databases, executes a	development	2) does not use	2) uses	2) uses
	project, demonstrates a	actorophient	international	international	international
	desire for continuous		databases in	databases in its	databases in its
			Guiubuses III		

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improvement	of	its	work	work	work
activities			2) participates	2) participates	2) protects the
			in the	in the	completed
			implementatio	implementatio	project
			n of the project	n of the project	3)
			3) violates the	3) performs	demonstrates
			deadlines for	tasks on time	motivation for
			completing		independent
			tasks		work,
					creatively
					approaches
					tasks

10.2 Evaluation criteria								
Checklist								
Rating by letter system	Digital equivalent of points	Percentage content	Assessment according to the traditional system					
A	4,0	95-100	Excellent					
A -	3,67	90-94	Excellent					
B +	3,33	85-89	Good					
В	3,0	80-84						
B -	2,67	75-79						
C +	2,33	70-74						
С	2,0	65-69	Satisfactory					
C -	1,67	60-64						
D+	1,33	55-59						
D-	1,0	50-54						
FX	0,5	25-49	Unsatisfactory					
F	0	0-24						

# EVALUATION CRITERIA. CHECKLISTS OF PRACTICAL TRAINING and SRO

N₂	Evaluation criteria		Lev	vel	
		Excellent	Good	Satisfactory	Unsatisf actory
	Practical	exercises:			
1	Written answer to the questions of this assignment/execution of the protocol of laboratory work Solving situational problems	30	21	15	0
2	Oral answer to the questions of this assignment	30	21	15	0
3	Completing test tasks	12	8	6	0
4	Solving situational problems	28	20	14	0
	Common:	100	70	50	

1. Written answer to the questions of this assignment



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N₂	Evaluation criteria	Scores
1	The student showed original thinking, showed deep knowledge of the material, used scientific achievements of other disciplines when answering. Used scientific terminology.	27-30
2	The student showed knowledge of the material, made unprincipled inaccuracies. Used scientific terminology.	21-26
3	The student made inaccuracies and unprincipled mistakes during the answer, used scientific terminology, had great difficulties in systematizing the material, needed the help of a teacher	15-20
4	The student did not answer the questions, made fundamental mistakes and inaccuracies, did not use scientific terminology in the answers.	0-14

#### **Performing laboratory work**

N⁰	Evaluation criteria	Points				
1	In a timely manner and without any mistakes, he completed practical and laboratory					
	work and submitted reports on them, took an active part in discussing the results of the					
	work, made reasonable conclusions, showed original thinking at the same time					
2	He completed practical and laboratory work in a timely manner and submitted reports on	21-26				
	them without fundamental comments, took an active part in discussing the results of the					
	work					
3	Completed practical and laboratory work in a timely manner and submitted reports on	15-20				
	them. During work, he was not active, needed the help of a teacher					
4	Untimely submitted reports on practical work, made fundamental mistakes in their	0-14				
	implementation. I have not completed all the practical work provided for by the program.					
	Did not participate in the discussion of the results of the work					

Oral answer to the questions of this assignment: Approximately 3 questions with a maximum of 10 points:

N⁰	Questions	Level					
		Excellent	Good	Satisfactory	Unsatisfactory		
1	1 theme question	10	7	5	0		
2	2 theme question	10	7	5	0		
3	3 theme question	10	7	5	0		
	Total:	30	21	15	0		

# 1. Oral answer to the questions of this assignment

N⁰	Evalution criteria	Points
1	Points given in the event that the student did not make any mistakes or inaccuracies during the answer. Focuses on the theories, concepts and directions of the discipline under study and gives them a critical assessment, uses scientific achievements of other disciplines.	27-30
2	Points given in the event that the student did not make gross mistakes during the answer, made unprincipled inaccuracies or fundamental mistak corrected by the student himself, managed to systematize the program material with the help of the teacher.	21-26
3	Points given in the event that the student made inaccuracies and unprincipled mistakes during the answer, limited himself only to the educational literature indicated by the teacher, experienced great difficulties in systematizing the	15-20

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SKMA

	material	
4	Points given in the event that the student made fundamental mistakes during the answer, did not work out the main literature on the topic of the lesson; does not know how to use the scientific terminology of the discipline, answers with gross stylistic and logical mistakes.	0-14

#### 1. Completing test tasks

№	Evalution criteria	Points
1	90-100% correct answers	10-12
2	70-89% correct answers	8-9
3	50-69% correct answers	6-7
4	Meнee 50% correct answers	0-2

#### 4. Solving situational problems

N⁰	Evalution criteria	Points
1	Shows original thinking while analyzing a situational problem. Fully uses the	25-28
	theoretical knowledge necessary to solve this problem. Shows excellent knowledge of	
	reference biochemical parameters in the interpretation of the proposed data of bio-	
	liquid analyses. Demonstrates the ability to make logical conclusions on a situational	
	task, while showing a deep understanding of the necessary educational material.	
2	Has the necessary knowledge to solve this situational problem. Makes unprincipled	19-24
	inaccuracies when discussing this case. Able to make the right conclusions on the	
	proposed situational task.	
3	Makes unprincipled inaccuracies when discussing this problem, makes it difficult to	14-18
	interpret the analyses proposed in the situational problem. Makes conclusions	
	difficulty.	
4	Makes fundamental mistakes in the discussion of a situational task. Passive, unable to	0-13
	make appropriate conclusions.	

#### Situational tasks – maximum 28 points (each task has a maximum of 14 points):

№	Questions	Level			
		Excellent	Good	Satisfactory	Unsatisfactory
1	1 situational theme task	14	10	7	0
2	2 situational theme task	14	10	7	0
	Total:	28	20	14	0

CHECK-LIST SRO:					
Student name					
Criteria for evaluating presentations in multimedia format					
Criteria for eval	uating presentations in mu	ltimedia format			
<u>Criteria for eval</u> Criteria	uating presentations in mu	<i>ltimedia format</i> Level			

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Teacher's signature

#### Evaluation criteria for the analysis of scientific articles (check-list)

V	valuation criteria for the analysis of scientific articles (check-fist)					
	Evaluation	Unsatisfactory/	Satisfactory/65-	Good/70-89%	Excellent/90-	
	criteria in points	0-49%	54%		100%	
	by %					
	Structure of the	1) does not name	1) does not follow	1) Lists the	1) Follows the	
	article	the structural	the order of the	structural	order of the	
		components of a	structure of the	components of a	structure of	
		scientific article	scientific article	scientific article,	the scientific	
			when listing,	but violates the	article when	
			skips the	order of the	listing	
			components	structure	Title	
					Authors	
					Publishing house	
					Resume	
					General part	
					(introduction,	
					purpose, materials	
					and methods,	
					results and	
					discussion)	
					Conclusions	



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АКАDEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ АСАDEMY АО «Южно-Казахстанская медицинская академия» 044-47/11 Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», «Pharmacology, Pharmacotherapy And Clinical Pharmacology»

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				List of literature
Analysis of the content of a scientific article	1. Does not understand the relevance of the problem, is not able to discuss the content of the article	<ol> <li>Understands the urgency of the problem</li> <li>Lists the purpose of the work, the materials and methods used in the work</li> <li>understands the content of the scientific article</li> <li>Lists the conclusions, the list of references in this article</li> </ol>	<ul> <li>2. Assumes the relevance of the problem</li> <li>2. Explains the purpose of the work, the materials and methods used in the work</li> <li>3. sets out the content of the scientific article</li> <li>4. Substantiates the conclusions</li> <li>5. Substantiates the selected list of references in this article</li> </ul>	<ol> <li>Independently substantiates and argues the relevance of the problem</li> <li>Explains the purpose of the work, the materials and methods used in the work</li> <li>Freely expounds the semantic content of a scientific article</li> <li>Argues and substantiates the conclusions</li> <li>Has the skill of using literature and justifies the selected list of references in this article</li> </ol>
Answer to additional	Does not answer additional	Does not understand the	Applies the acquired	Applies the acquired
questions (on the	questions on the	problem posed for	knowledge in a	knowledge in a
topic of the	topic	answers	practical lesson on	practical lesson on
article for the		additional	the topic to answer	the topic to
discipline)		questions		answer

Criteria for evaluating project work.

Criterion "Goal setting and project planning"	
	Points
The goal is <b>not formulated</b>	unsatisfactory 0-49%
The goal is <b>formulated</b> , but there is <b>no plan</b> to achieve it	satisfactory 50-69%
The goal is <b>formulated</b> , justified, and a schematic <b>plan</b> for its achievement <b>is</b> <b>given</b>	good 70-89%
The goal is <b>formulated</b> , clearly <b>justified</b> , and a <b>detailed plan</b> for its achievement	excellent



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is given	90-100%
Criterion "Statement and justification of the project problem"	
The problem of the project is <b>not formulated</b>	unsatisfactory. 0-49%
The formulation of the project problem is superficial	satisfactory 50-69%
The problem of the project is clearly formulated and justified	good 70-89%
	excellent 90-100%
The problem of the project is <b>clearly formulated</b> , justified and is a profound	
Criterion "Diversity of information sources used"	
Information that does <b>not correspond</b> to the topic and purpose of the project was used	unsatisfactory 0-49%
Most of the information provided does not relate to the topic of the work	satisfactory 50-69%
The work contains a <b>small amount</b> of relevant information from a <b>limited</b> number of similar sources	good 70-89%
The work contains fairly <b>complete information</b> from a <b>variety of sources</b>	excellent 90-100%
Criterion "Depth of disclosure of the project topic"	
The topic of the project is <b>not disclosed</b>	Unsatisfactory 0-49%
The topic of the project is revealed <b>in fragments</b>	satisfactory 50-69%
The topic of the project is disclosed, the author showed <b>knowledge of the topic</b> within the framework of the work program on the discipline being studied	good 70-89%
The topic of the project is disclosed exhaustively, the author demonstrated <b>in-</b> <b>depth knowledge</b> that goes <b>beyond</b> the scope of <b>the work program</b> being studied	excellent 90-100%
Criterion "Analysis of the progress of work and the results obtained, co	nclusions''
	Unsatisfactory 0-49%
No attempts have been made to analyze the progress and result of the work	
No attempts have been made to analyze the progress and result of the work The analysis is replaced by a brief description of the progress and order of work	satisfactory 50-69%

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necessary <b>conclusions</b> are drawn, the <b>prospects of work</b> are outlined	90-100%
Criterion "Achievement of the goal and compliance with the content of the source of th	he project''
The goals stated in the project have not been achieved	unsatisfactory 0-49%
A significant part of the methods of work used does not correspond to the theme and purpose of the project	satisfactory 50-69%
The methods of work used <b>correspond</b> to the theme and purpose of the project, but are <b>insufficient</b>	Good 70-89%
The methods of work are <b>sufficient</b> and used <b>appropriately and effectively</b> , the project <b>goals have been achieved</b>	excellent 90-100%
Criterion "Personal participation, creative approach to work"	1
The work is a <b>template</b> , showing the <b>formal attitude</b> of the author	Unsatisfactory 0-49%
The author showed <b>little involvement</b> in the topic of the project, but did not demonstrate independence in the work, did not use the possibilities of a creative approach	satisfactory 50-69%
The work is independent, demonstrating <b>insufficient full participation</b> , an attempt is made to present a <b>personal view on the topic</b> of the project, <b>elements of creativity</b> are applied	good 70-89%
The work is characterized by a <b>creative approach</b> , full participation and the author's own <b>original attitude</b> to the idea of the project	excellent 90-100%
Criterion "Compliance with the requirements of the written par	ť''
The written part of the project <b>does not meet the requirements</b> , all sections of the work are <b>not disclosed</b> and the work is not submitted on time	Unsatisfactory 0-49%
In the written part of the work, all sections are <b>partially disclosed</b> , fundamental mistakes	satisfactory 50-69%
There are typos and incorrect expressions in the work	Good 70-89%
The work fully reflects: the relevance of the topic, novelty and practical significance, conclusions, recommendations, the degree of solution problems and completion of the work, the correctness of its formulation, the author's familiarity with scientific literature, the depth of discussion, the literacy of the presentation and the work was delivered on time according to the schedule	excellent 90-100%
Criterion "Quality of presentation"	
There are a lot of fundamental mistakes in the presentation and answers to questions	Unsatisfactory 0-49%
There are small fundamental errors and inaccuracies in the presentation; partial fundamental errors when answering questions	satisfactory 50-69%

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mistakes, inaccuracies in answering questions	70-89%
Presentation style, presentation of information, content, text meets the general requirements of presentation design. The author confidently and accurately answers the questions	excellent 90-100%
Criterion "Quality of the final product"	
There is <b>no project product</b>	unsatisfactory. 0-49%
The project product <b>does not meet the quality requirements</b> (aesthetics, usability, compliance with the stated goals)	satisfactory 50-69%
The product does not fully meet the quality requirements	good 70-89%
The product <b>fully meets the quality requirements</b> (aesthetic, convenient to use, meets the stated goals)	excellent 90-100%

## Check-list

criteria for evaluating responses to the description of macropreparations at the midterm examination (pathological anatomy)

N₂	Evaluation	Excellent	Good	Satisfactor	Unsatisfactory
	criteria/evaluation			У	
1.	Name of body part	4	3	2	0
2.	Size of body part	10	7	5	0
3.	Surface:	1	1	1	0
	condition of the capsule or				
	serous membrane, dullness,				
	gloss, overlay				
4.	Characteristics of the pathological focus:	5	4	2	0
	Localization, size, shape (if				
	the ulcer is the condition of				
	the bottom), color,				
	consistency				
5.	Pathoanatomic				
	diagnosis/conclusion				
6.	Total	20	15	10	0

The maximum number of points is 20

# Joint Checklist

# criteria for evaluating written tasks at the midterm examination (PDB/PVP)

Form	Evalution	Evaluation criteria
of control		

artments: «Propaedeut		», «Pediatrics №1 », «Pathology and Forensic Medicine»,	044-47/11 84 arm up 10/
		erapy And Clinical Pharmacology» s) on the module "Man and disease"	84стр. из 104
Solving situational problems on tickets	"Excellent" 90-100%	<ul> <li>The student accurately analyzes the main and complaints, perfectly navigates the collected a life and disease.</li> <li>Connects the data of objective physical examt (palpation, auscultation, percussion), correctly the data of laboratory and instrumental studie He is able to evaluate the pathophysiological research results.</li> </ul>	anamnesis of ination y interprets s. patterns of
		Finds and compares the relationship between symptoms and syndromes. Substantiates and makes a presumptive syndr- diagnosis.	
		The student accurately answered the question based on understanding, knowledge and clinic on this clinical situation.	
		Unmistakably conducts basic physical researc problem according to the algorithm (practical	
		Unmistakably conducts basic physical researce problem using an algorithm (practical skill No	
	<b>«Good»</b> 70-89%	The student perfectly understands the main ar complaints, is well-versed in the collected his and disease.	-
		<ul> <li>Connects the data of objective physical examination (palpation, auscultation, percussion), interpret laboratory and instrumental studies with error. There are errors in the evaluation of pathophy patterns of research results.</li> <li>Finds and compares the relationship between symptoms and syndromes.</li> <li>Makes a presumptive syndromic diagnosis with substantiating the data</li> </ul>	ts the data of s. vsiological the main
		<ul><li>The student did not answer the question on th for this clinical situation</li><li>Conduct basic physical studies on this problem in the algorithm (practical skill No. 1)</li></ul>	
		Conduct basic physical studies on this problem in the algorithm (practical skill No. 2)	m with gaps

«Оңтүстік Қазақстан мед	о́мтústik qazaqstan MEDISINA AKADEMIASY ицина академиясы» АҚ		ая академия»
Departments: «Propaedeutics	of Internal Diseases », «I	Pediatrics №1 », «Pathology and Forensic Medicine»	), 044-47/11
		y And Clinical Pharmacology»	85стр. из 104
Working	curriculum (syllabus) or	the module "Man and disease"	
	«Satisfactory»	The student examines the main and second with errors, is poorly oriented in the collect	
	50-69%	of life and disease. Connects the data of objective physical ex (palpation, auscultation, percussion), correct the data of laboratory and instrumental stu Unable to assess the pathophysiological pa- research results. Is not able to compare the relationship bet symptoms and syndromes. Makes a presumptive syndromic diagnosis substantiating the data The student answered the question on the tunderstanding, knowledge and clinical this clinical situation Conducts basic physical research on this p fundamental errors (practical skill No. 1) Conducts basic physical research on this p	amination actly interprets dies. atterns of ween the main a without task without hking on this roblem with
	«Unsatisfactory» 0-49%	The student has no idea about the main and complaints, is not guided by the collected and disease. Does not see the connection of the data of physical examination (palpation, auscultat incorrectly interprets the data of laboratory instrumental studies. Does not know how to evaluate the pathop patterns of research results. Does not find and is not able to compare the between the main symptoms and syndrom Makes a presumptive syndromic diagnosis substantiating the data The student gave the wrong answer to the problem The skill shown for this task does not corre algorithm (practical skill No. 1) The skill shown for this task does not corre algorithm (practical skill No. 2)	anamnesis of life objective ion, percussion), 7 and ohysiological ne relationship es. 6 without question on the espond to the

# Check-list

criteria for evaluating responses to the description of micropreparations at the midterm examination (pathological anatomy)

№	Evalution criteria/ evalution	Excellent	Good	Satisfactory	Unsatisfactory
1.	Name of body part or tissue	4	3	2	0

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2.	Characteristics of pathological changes: localization, description	10	7	5	0
3.	Coloring	1	1	1	0
4.	Pathoanatomic diagnosis/conclusion/	5	4	2	0
5.	Total	20	15	10	0

The maximum number of points is 20

#### Checklist for evaluating the oral response at the midterm examination (pathological anatomy)

№	Evalution criteria	Grades in points			
		excellent	good	satisfc.	unsatisfc.
1.	The student answered the question: characterized the pathological process 1. Gave a definition 2. Named the classification 3. Explained morphogenesis	30-27	26,7-21	20,7-15	15 lower
2.	The student answered the question: characterized the pathological process Pathoanatomic changes 1. Macroscopic signs 2. Microscopic signs 3. Complications 4. Explained the outcome and/or causes of death	30-27	26,7-21	20,7-15	15 lower
3.	Total	60-54	53,4-42	41,4-30	30<

#### The maximum number of points is 60 (30 points for each question) Assessment checklist completion of midterm examination test tasks (pathological physiology) Perfectly The student correctly completed 90-100% of the matches the scores test tasks 95-100 90-94 The student correctly completed 70-89% of the test Matches the scores well tasks 85-89 80-84 75-79 70-74 Satisfactorily The student correctly completed 50-69% of the test matches the scores tasks 65-69 60-64 50-54

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	Unsatisfactorily corresponds to the points 25-49 Unsatisfactorily corresponds to the points 0-24		The student correctly completed h the test tasks	ess than 50% of
		the midter	m examination (Pharmacology-2	)
Form of the control	Evalution		Evaluation criteria	
Written	Excellent Matches the scores: A (4,0; 95-100%); A- (3,67; 90-94%)	during the terminolog pharmacol medicines medicines generation	he event that the student did not ma answer, knows how to use the scie gy of the discipline. He is guided in ogical classification and nomenclat Gives pharmacological characteris Compares drugs in pharmacologic s (generations) by pharmacokinetic dynamic parameters. Writes out a p	ntific the ture of stics of cal groups,
	Good Matches the scores B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%)	during th terminolog pharmacol medicines characteris pharmacol pharmacol	he event that the student did not ma e answer, knows how to use gy of the discipline. He is ogical classification and no . It does not give a complete stic of medicines. Does not co ogical groups, generations (generations) (stinetic, pharmacodynamic paramet on for medicines.	e the scientific guided in the omenclature of pharmacological mpare drugs in generations) by
	Satisfactory Matches the scores: C (2,0; 65-69%) C- (1,67; 60-64%) D+ (1,33; 55-59%) D- (1,0; 50-54%)	mistakes of scientific pharmacol medicines characteris pharmacol pharmacol	the event that the student did during the answer, does not know terminology of the discipline. Do ogical classification and no . It does not give a complete stic of medicines. Does not co ogical groups, generations (g kinetic, pharmacodynamic paramet on for medicines with errors.	how to use the es not know the omenclature of pharmacological mpare drugs in generations) by
	Unsatisfactory FX (0.5; 25-49%) F (0; 0-24%)	Given in mistakes of scientific stylistic pharmacol medicines groups,	the event that the student ma during the answer, does not know terminology of the discipline, ans and logical errors. Does r ogical classification and no Does not give pharmacological of Does not compare drugs in generations (generations) by dynamic parameters. Does not write the student matching the student matching the student matching the student matching the student terminology of the student matching the student matching the student matching the student matching the student matching the student terminology of the student matching the student ma	how to use the swers with gross not know the omenclature of characteristics of pharmacological pharmacokinetic,

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	seases », «Pediatrics №1 », «Pathology and Forensic Medicine»,	044-47/11
	nacotherapy And Clinical Pharmacology»	88стр. из 104
	yllabus) on the module "Man and disease"	1
N₂ Name	Link	
Electronic books	Electronic resources (PVB)	
	Ivashkin, V. T. Internal diseases propedeutics [Электр	
	: textbook / V. T. Ivashkin, A. V. Okhiobystin Элект	1
	дан. (142Мб) М. : ГЭОТАР - Медиа, 2017 эл.	опт. диск (CD-
	ROM).	- ·
	Внутренние болезни. Т. 2 [Электронный ресурс] :	•
	ред. В. С. Моисеева 3-е изд., испр. и доп Элект	1
	дан. (45.1Мб) М. : ГЭОТАР - Медиа, 2015 895 с	
	Внутренние болезни. Т. 1 [Электронный ресурс] :	
	ред. В. С. Моисеева 3-е изд., испр. и доп Элект	
	дан. ( 66.5Мб) М. : ГЭОТАР - Медиа, 2015 960	
	Ішкі аурулар./Бимурзаев Ғ.Н., Зарипов	а Г.К. ,
	2020/https://aknurpress.kz/login	
	Ішкі аурулар пәнінен клиникалық тапсырмалар жи	
	Ержанова Г.А., Муханова А.К. , 2016/https://aknurpu	-
	Шкі аурулар пропедевтикасынан жағдаяттық тапсы	
	Оразова Б.О., Марченко Т.В., 2016/https://aknurpres	-
	Пропедевтика внутренних болезней : Учебник. / Т.	
	Рысс, В.Я. Плоткин и др СПб.: СпецЛит, с.http://rmebrk.kz/	, 2013 414
	Внутренние болезни в работе врача общей практ	
	пособие. / К.Ж. Садыкова, Ш.У. Скендерова, С.	
	Туркестан: Туран, 2017 96 с. http://rmebrk.kz/	
	Жаманқұлов, Қыдырқожа Абдолкәрімұлы.Ішкі ау	оулар [Мотін] ·
	окулык / К. А. Жаманкұлов; Батыс Қазақстан н	
	акад Ақтөбе : [б. ж.], 2013 669 б.http://elib.kazm	
	Пропедевтика внутренних болезней: Учебник. – 6-е	
	перераб. и доп. (Учеб. лит. Для студентов медицин	
	– Алматы: Эверо, 2020. – 400 c.https://www.elib.kz	<b>,</b> ,
	Пропедевтика внутренних болезней: Учебник. – 6-6	е изд., II - том
	перераб. и доп. (Учеб. лит. Для студентов медицин	
	– Алматы: Эверо, 2020. – 212 с.https://elib.kz	- /
	Пропедевтика внутренних болезней: Учебник. – 6-е	е изд., III - том
	перераб. и доп. (Учеб. лит. Для студентов медицине	ских вузов).
	– Алматы: Эверо, 2020. – 208 c.https://elib.kz	
	Нұрсұлтанова С.Д., Бакирова Р.Е., Мамашалиева С	
	Беков Е.К., Мадиева Л.С.Жүрек тамыр жүйесінін	, аурулары бар
	науқастарды тексеру әдісі және	-
	техникасы. Оқу-әдістемелік құрал Алматы, «Эве	еро» баспасы
	2020.https://elib.kz	
	Ахметов Қайырғали Жәлелұлы. Ішкі аурулар пропе	
	пәнінің клиникалық дәрістері. Алматы: «Эверо», 2	2020. – 262 bet
	https://elib.kz	Δ μπικό στ. Γ. 1.1
	Ішкі ағза ауруларының пропедевтикасы. Оқулық	ANIMUET D.II-
Litopotuno	Алматы «Эверо» 2018ж,-568 бет.https://elib.kz	
Literature	Main literature (PVB)           Василенко, В. Х. Пропедевтика внутренних бол	ториой Т 1 .
	Учебник / В. Х. Василенко, В. В. Василенко ;	
	Newbook, 2021 400. c.	· - AJIMAIDI ·
	110 WOODR, 2021 TOU. C.	

1	AZAQSTAN MEDISINA MEDISINA MEDISINA MEDICAL MACADEMY MACADEMY AO «Южно-Казахстанская медицинская ак	алемия»
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Working curriculum (s	yllabus) on the module "Man and disease"	
	Василенко, В. Х. Пропедевтика внутренних бо	пезней. Т. 2. :
	Учебник / В. Х. Василенко, В. В. Василенко	
	Newbook, 2021 212. c.	,
	Василенко, В. Х. Пропедевтика внутренних бо	лезней. Т. 3. :
	Учебник / В. Х. Василенко, В. В. Василенко Newbook, 2021 208. с.	; Алматы :
	Мухин , Н. А.Ішкі аурулар пропедевтикасы: с ГЭОТАР - Медиа, 2015 672 бет-	оқулық М. :
	Василенко, В. Х. Ішкі аурулар пропедевтикасы. окулық / В. Х. Василенко, В. В. Василенко ; ме	
	Асқамбай Алматы : Эверо, 2015 336 б. с	
	Василенко, В. Х. Ішкі аурулар пропедевтикасы. окулық / В. Х. Василенко, В. В. Василенко ; ме	
	Асқамбай Алматы : Эверо, 2015 176 б. с	<b>T</b> 2 D ( <sup>1</sup> 1
	Василенко, В. Х. Ішкі аурулар пропедевтикасы.	
	окулық / В. Х. Василенко, В. В. Василенко ; ме Асқамбай Алматы : Эверо, 2015 192 б. с	-
	Айтбембет, Б. Н.Ішкіағза ауруларының пропедев Алматы : Эверо, 2014 568 бет	гикасы: оқулық
	Маколкин, В. И. Ішкі аурулар : оқулық М. : ГЭ 2014 976 бет	ОТАР - Медиа,
	Гребенев, А. Л. Пропедевтика внутренних боло	езней [Текст] :
	учебник / А. Л. Гребенев 5-е изд., перераб. и д Эверо, 2014 520 с	цоп Алматы :
	"Тынысалужүйесі"модулі: интеграцияланғаноқул "Дыхательная система" : интегрированный уч	
	Жауғашева [ж. б.] ; жауапты ред. С. Б. Жа Нұрсұлтанова М. : "Литтерра", 2014 272 бет. с.	утікова, С. Д.
	"Жүрек-қан тамырлар жүйесі" модулі : интеграци	
	<ul> <li>Модуль "Сердечно-сосудистая система" : ин учебник / С. Б. Жауғашева [ж. б.] ; жауапты ред. С. С. Д. Нұрсұлтанова М. : "Литтерра", 2014 344 б</li> </ul>	ттегрированный С.Б.Жәутікова,
	"Ас қорытужүйесі"модулі: интеграциялан	
	Модуль"Пищеварительная система" : интегрирова С. К. Жауғашева [ж. б.] ; жауапты ред. С. Б. Ж	нный учебник /
	Нұрсұлтанова М. : "Литтерра", 2014 376 бет. с.	
	"Зәршығаружүйесі"модулі: интеграцияланғаноқу "Мочевыделительная система" : интегрированный	
	Жауғашева [ж. б.] ; жауапты ред. С. Б. Жа Нұрсұлтанова М. :Литтерра, 2014 256 бет. с. : н	утікова, С. Д.
	"Қан түзуші жүйесі" модулі: интеграциялан	тан оқулық =
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	Нұрсұлтанова М. : "Литтерра", 2014 288 бет. с.	-
	"Эндокриндік жүйе" модулі: интеграцияланғ Модуль"Эндокринная система" : интеграционный	
	Жауғашева [ж. б.] ; жауапты ред. С. Б. Жә	утікова, С. Д.
	Нұрсұлтанова М. : "Литтерра", 2014 328 бет. с.	
	"Тірек-қимылжүйесі" модулі :интеграциялан Модуль"Опорно-двигательная система" : ин	ғаноқулық = птегрированный

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		. Жауғашева [ж. б.]; жауапты ред. (	
	С. Д. Нұрсұлта "Жүйкежүйесі	анова М. :Литтерра, 2014 240 бет	т. с. : ил. ноқулық =
	Нұрсұлтанова. Vasilenko, V.	к. б.]; жауапты ред. С. Б. Жа М.: "Литтерра", 2014 264 бет. с. K. Propaedeutics of internal dise naty: "Evero", 2017 364 p.	: ил.
	Vasilenko, V. textbook / Al Vasilenko, V.	K. Propaedeutiks of internal diseas maty : "Evero" , 2017 364 p. K. Propaedeutics of internal diseas maty : "Evero" , 2017 188 p	
	Extra literatur	re (PVB).	
	Омаров, Т. Р болезней [Теко - Караганда : А	<ul> <li>Неотложные состояния в клинист]: учебное пособие / Т. Р. Омаров, АҚНҰР, 2019 518 с</li> </ul>	, В. А. Омарова
	классификаци Ахмедова М	заболеваниях внутренних органов. и [Текст] : учебное пособие / п . : ГЭОТАР - Медиа, 2016 256	юд ред. В. А
	: лекция / Н. А 328 с.	Избранные лекции по внутренним б А. Мухин 2-е изд М. : ГЭОТАР	- Медиа, 2017.
	клиникалық е структурирова болезням : уче	бойынша объективтендірілген құр емтихан : оқу-әдістемелік құрал = анный клинический экзамен п ебно методическое пособие / М. Оси ас. Қ. Ж. Ахметов [ж.б.] М. : "Ли	<ul> <li>Объективный</li> <li>внутренним</li> <li>панов атындағы</li> </ul>
	ҚР денсаулық толық. және өн	оку-әдістемелік құрал / Г. М. Есена сақтау және әлеуметтік даму Мини ңд Қарағанды : ЖК "Ақнұр", 2015. ікі аурулар пропедевтикасы пәнін құралы.	істрлігі 2-бас - 80 с

#### Пропедевка детских болезней-1

Основная

- 1. Ахметова Н.Ш. Психопатологические особенности детского, подросткового и юношеского возраста : учебное пособие / Н. Ш. Ахметова. 3-е изд. Караганда : АҚНҰР, 2019. 140 с
- 2. Исаева, Л. А. Детские болезни. 1 том]: учебник. Алматы : Эверо, 2015.
- 3. Исаева, Л. А. Детские болезни. 2 том: учебник Алматы : Эверо, 2015.
- 4. Исаева, Л. А. Детские болезни. 3 том : учебник Алматы : Эверо, 2015.
- 5. Исаева, Л. А. Детские болезни. 4 том: учебник Алматы : Эверо, 2015
- 6. Альмухамбетова Э.Ф. Ахметова Г.Д Острая дыхательная недостаточность у детей. Ақ-Нұр, 2014
- 7. Поликлиническая и неотложная педиатрия: учебник М.: ГЭОТАР Медиа, 2013. 896 с
- 8. Шабалов, Н. П. Детские болезни. В 2 т. Т. 1: учебник . 7-е изд., перераб. и доп. СПб. : Питер , 2012.
- 9. Шабалов, Н. П. Детские болезни. В 2 т. Т. 2.: учебник . 7-е изд., перераб. и доп. СПб.: Питер,

AKADEMIASY

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АСАDEMY АО «Южно-Казахстанская медицинская академия» <u>....</u> «Оңтүстік Қазақстан медицина академиясы» АҚ Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 91стр. из 104 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» Working curriculum (syllabus) on the module "Man and disease"

<u>cdb2</u>

SKMA

2012.

- 10. Кабилдина, Н. А. Балалардағы сүйек және жұмсақ тіндер ісіктері] : оқу құралы Алматы : Эверо, 2013.
- 11. Исаева, Л. А. Балалар аурулары. Т. 1: оқулық Алматы : Эверо, 2015
- 12. Исаева, Л. А.Балалар аурулары. Т. 2: оқулық Алматы : Эверо, 2015
- 13. Исаева, Л. А. Балалар аурулары. Т. 3: оқулық Алматы : Эверо, 2015
- 14. Исаева, Л. А. Балалар аурулары. Т. 4: оқулық Алматы : Эверо, 2015.
- 15. Миалл, Л. Көрнекті педиатрия оқу құралы М. : ГЭОТАР Медиа, 2015. 184 бет
- 16. Балалар аурулары : оқулық М. : ГЭОТАР Медиа, 2015. 1024 бет
- 17. Емханалық педиатрия М. : ГЭОТАР Медиа, 2014. 752 бет.
- 18. Гатауова, М. Р. Балаларда кездесетін жіті жұқпалы ауруларды емдеуде антибиотиктерді дәлелдемелі медицина тұрғысынан қолдану : оқу құралы. - Алматы : Эверо, 2014..
- 19. Альмухамбетова Э.Ф. Ахметова Г.Д. Балалардағы жіті тыныс жетіспеушілігі. Ақ-Нұр, 2014
- 20. Жетіліп және шала туылған нәрестелердегі туа біткен даму ақаулары : оқу құралы / Т. А. Маймаков [және т.б.]. - Шымкент : Әлем баспаханасы, 2019. - 132 бет с
- 21. Бала ауруларының пропедевтикасы: оқулық / К. А. Мұстафина [ және т.б.] 2 ші бас.толық.өңделген - Шымкент: Әлем баспаханасы, 2019. - 460 б. с
- 22. Балалардың жасына қарай аурушаңдық көрсеткішінің қалыптасуы, қатерлі себептері және оларға амбулаторлық емханалық көмекті ұйымдастыруды жетілдіру аспектілер мен қиындықтар : оқу құралы / М.А. Булешов [және т.б.]. - Түркістан : Элем баспаханасы, 2019. - 112 бет. с
- 23. Балалар ауруларының пропедевтикасы. 1 т.: оқулық / А. В. Мазурин Алматы : Эверо, 2016. -166 бет. с.
- 24. Балалар ауруларының пропедевтикасы. 2 т.: оқулық / А. В. Мазурин Алматы : Эверо, 2016. -188 бет. с.
- 25. Балалар ауруларының пропедевтикасы. 3 т.: оқулық / А. В. Мазурин. Алматы : Эверо, 2016. -156 бет. с.
- 26. Балалар ауруларының пропедевтикасы. 4 т.: оқулық / А. В. Мазурин Алматы : Эверо, 2016. -156 бет. с.
- 27. Issayeva, L. A. Childhood diseases. Part 1.: textbook /. Almaty : "Evero", 2017. 204 p.
- 28. Issayeva, L. A. Childhood diseases. Part 2.: textbook / Almaty : "Evero", 2017. 188 p.
- 29. Issayeva, L. A. Childhood diseases. Pfrt 3.: textbook / Almaty : "Evero", 2017. 188 p.
- 30. Issayeva, L. A. Childhood diseases. Part 4. [: textbook / Almaty : "Evero", 2017. 196 p.
- 31. Mazurin, A. V. Propaedeutics of childhood diseases. 1 volume [: textbook / Almaty: "Evero", 2017. -144 p
- 32. Mazurin, A. V. Propaedeutics of childhood diseases. 2 volume] : textbook / Almaty: "Evero", 2017. -172 p.
- 33. Mazurin, A. V. Propaedeuutics of childhood diseases. 3 volume [: textbook / Almaty: "Evero", 2017. -140 p.
- 34. Mazurin, A. V. Propaedeutics of childhood diseases. 4 volume: textbook / Almaty: "Evero", 2017. -136 p.

Дополнительная

- 1. Руководство участкового педиатра М.: ГЭОТАР Медиа, 2014. 528 с
- 2. Рахимова, К. В. Первичное звено здравоохранения: принципы диспансеризации детей: рук. для педиатров. - 2-е изд. - Алматы: Эверо, 2013.
- 3. Рахимова К.В. Организация диспансерного наблюдения за детьми в амбулаторных условиях: руководство - Алматы. - Эверо, 2012

Давлетгильдеева З.Г. Балалардағы жүрек ырғағының және өткізгіштігінің бұзылысы: оқу әдістемелік құрал.- Эверо, 2014

Электронные ресурсы:

1. Запруднов, А. М. Детские болезни. Т.1 [Электронный ресурс] : учебник / А - 2-е изд. - Электрон.

SOUTH KAZAKHSTAN MEDICAL ACADEMY

 АКАDEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ
 -4979-АСАDEMY АСАDEMY АСАDEMY АО «Южно-Казахстанская медицинская академия»

 Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», «Pharmacology, Pharmacotherapy And Clinical Pharmacology»
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текстовые дан. (108Мб). - М. : ГЭОТАР - Медиа, 2013. - 768 с. 2. Запруднов, А. М. Детские болезни. Т. 2 [Электронный ресурс] : учебник - 2-е изд., перераб. и доп. - Электрон. текстовые дан. (Обайт). - М. : ГЭОТАР - Медиа, 2013. - 752 с. 3. Кильдиярова, Р.Р. и др. Педиатрия. История болезни : Учебное пособие. / Р.Р. Кильдиярова, В.И. Макарова, Р.М. Файзуллина. - М.: ГЭОТАР-Медиа, 2016. - 96 с. - http://rmebrk.kz/ 4. Заболевания детей раннего возраста.Учебноепособие.2016/https://aknurpress.kz/login 5. Балалар ауруларының пропедевтикасы мен балаларда жиі кездесетін аурулар. Баймұханбетова Б.Н., Садвакасова М.А., 2012/https://aknurpress.kz/login 6. Дадамбаев, Е. Т. Амбулаторлық- емханалық педиатрия [Электронный ресурс]: оқулық / Электрон. текстовые дан. (1.85Гб). - Алматы : Эпиграф, 2016. 7. Балалар аурулары [Электронный ресурс] : оқулық / ред. бас. А. А. Баранов. - Электрон. текстовые дан. (233Мб). - М. : ГЭОТАР - Медиа, 2015. - 1024 б. Ерте жастағы балалар аурулары. Оқуқұралы.2017/https://aknurpress.kz/login Патологическая физиология Электронные ресурсы: на русском языке: 1. Патологиялық физиология. Тәжірибелік сабақтарға нұсқау [Электронный ресурс]: оқу құралы = Патофизиология. Руководство к практическим занятиям: учебное пособие/ каз. тіліне ауд. С. Б. Жәутікова; ред. В. В. Новицкий. - Электрон. текстовые дан. (63,4Мб). - М.: ГЭОТАР - Медиа, 2014. -768 бет, эл. опт. диск. на казахском языке: 1. Патология. Екітомдық. 1-2 т.: [Электронный ресурс]: оқулық/ қаз. тіл. ауд. С. А. Апбасова; ред. М. А. Пальцев. - Электрон. текстовые дан. (1,42Мб). - М.: ГЭОТАР - Медиа, 2015. - 536 бет, эл. опт. диск. 2. Патологиялық физиология. Тәжірибелік сабақтарға нұсқау [Электронный ресурс]: оқу құралы = Патофизиология. Руководство к практическим занятиям: учебное пособие/ каз. тіліне ауд. С. Б. Жәутікова; ред. В. В. Новицкий. - Электрон. текстовые дан. (63,4Мб). - М.: ГЭОТАР - Медиа, 2014. -768 бет, эл. опт. диск. Электронные базы данных: Репозиторий ЮКМАhttp://lib.ukma.kz/repository/ Республиканская межвузовская электронная библиотека http://rmebrk.kz/ Консультант студента http://www.studmedlib.ru/ Открытый университет Казахстана https://openu.kz/kz Закон (доступ в справочно-информационном секторе) https://zan.kz/ru Параграф https://online.zakon.kz/Medicine/ Научная электронная библиотека https://elibrary.ru/ Ашық кітапхана https:// kitap.kz/ Thomson Reuters«Web of Science» www.webofknowledge.com Scopus https://www.scopus.com/ Sciencedirect http://www.sciencedirect.com/

На русском языке

OŃTÚSTIK QAZAQSTAN MEDISINA AKADEMIASY SOUTH KAZAKHSTAN MEDICAL ACADEMY

«Оңтүстік Қазақстан медицина академиясы» АҚ УУ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 93стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

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#### основная:

1. Адо. Патофизиология: Учебник, Т. 1-2. - Эверо, 2015.

2. Патологическая физиология (Общая и Частная): учебник/ В.А. Фролов [и др.]. - 4-е изд., пер.и доп. - М.: Издательский дом "Высшее образование и наука", 2019. - 730 с.: с ил.

3. Патофизиология. В 2 т. Т. 1-2: учебник/ под ред. В. В. Новицкого, Е. Д. Гольдберга, О. И. Уразовой; М-во образования и науки РФ. - 4-е изд., перераб. и доп; Рек. ГОУ ВПО "ММА им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2012. - 1488 с.

# дополнительная:

1. Патологиялық физиология. Тәжірибелік сабақтарға нұсқау [Мәтін]: оқу құралы = Патофизиология. Руководство к практическим занятиям: учеб. пособие/ В. В. Новицкий [ж. б.]; ред. басқ. В. В. Новицкий, О. И. Уразова; қаз. тіліне ауд. С. Б. Жәутікова. - М.: ГЭОТАР - Медиа, 2014. - 768 бет с.

2. Патофизиология. Задачи и тестовые задания: учеб.-методическое пособие/ под ред. П. Ф. Литвицкого; М-во образования и науки РФ. - Рек. ГОУ ВПО "ММА им. И. М. Сеченова". - М.: ГЭОТАР - Медиа, 2013. - 384 с.: ил.

## На казахском языке

#### основная:

1. Патофизиология. Екітомдық. 1-2 т.: оқулық/ қазақ тіл. ауд. Б. А. Жетпісбаев, С. Б. Жәутікова; ред. В. В. Новицкий. - М.: ГЭОТАР - Медиа, 2018. - 1104 б. + эл. опт.диск (CD-ROM).

2. Адо. Патофизиология: Окулык. 1-2 т. - Эверо, 2015.

3. Нұрмұхамбетұлы, Ә. Патофизиология. 1-4 т.: оқулық/ Ә. Нұрмұхамбетұлы. - өңд., толықт. 4-бас. - Алматы: Эверо, 2015. - 766 бет с.

#### дополнительная:

1. Нұрмұхамбетұлы, Ә. Патофизиология-1. Клиникалық практикада өте маңызды біртектес дерттік үрдістердің патогенезі мен емдеу жолдарына нұсқама. 1-2 т.: оқу құралы. - Алматы: Эверо, 2016. - 504 б. 2. Патологиялық физиология. Тәжірибелік сабақтарға нұсқау [Мәтін]: оқу құралы = Патофизиология. Руководство к практическим занятиям: учеб. пособие/ В. В. Новицкий [ж. б.]; ред. басқ. В. В. Новицкий, О. И. Уразова; қаз. тіліне ауд. С. Б. Жәутікова. - М.: ГЭОТАР - Медиа, 2014. - 768 бет с.

3. Уразалина, Н. М. Тест тапсырмалары. І-ІІ бөлім. Жалпы нозология, этиология және патогенез, тұқымқуалаушылық реактивтік патологиясы және аллергия. Біртектес дерттік үрдістер. - Алматы: Эверо, 2014. - 386 бет.

4. Жәутікова, С. Б. Мамандандырылған патологиялық физиология курсы: оқу-әдістемелік құралы. -Қарағанды: ЖК "АқНұр", 2013.

5. Жәутікова, С. Б. Патологиялық физиология пәні бойынша ситуациялық есептер жинағы: оқуәдістемелік құрал. - Қарағанды: ЖК "АқНұр", 2013.

#### На английском языке

#### основная:

1. Norris Tommie L.Porth's Pathophysiology: Concepts of Altered Health States: Textbook/ Tommie L. Norris. - 10 nd ed. - [s. l.]: Wolters Kluwer, 2019. - 1573 p.

2. Kumar V. Robbins Basic Pathology: Textbook/ V. Kumar, A. K. Abbas, J. C. Aster. - 10 nd ed. - [s. l.]: Elsevier, 2018. - 935 p.

3. Pathophysiology. Volume 1-3: the book for medical institutes/ A. D. Ado [and others]. - Almaty: "Evero", 2017. - 732 p.

4. Zhautikova, S. B. Review of pathophysiology: educational-methodical manual/ S. B. Zhautikova, U. Faroog. - Караганда: АҚНҰР, 2017. - 388 р.

5. Zhautikova, S. B. Collection of situational problems for discipline of pathological physiology-2: educationalmethodical manual/ S. B. Zhautikova, U. Faroog. - Караганда: АҚНҰР, 2017. - 126 р.

6. Kumar V. Robbins and Cotran. Pathologic Basis of Disease: Textbook/ V. Kumar, Abyl K. Abbas, Jon C. Aster. - 9 nd ed. - [s. l.]: Elsevier/ Saunders, 2015. - 1391 p.

#### Патологическая анатомия

Электронные ресурсы, включая, но не ограничиваясь ими: базы данных, анимации симуляторы,

OŃTÚSTIK QAZAQSTAN

SOUTH KAZAKHSTAN MEDICAL

<u>cdb2</u> MEDISINA SKMA AKADEMIASY ACADEMY <u>, 11</u>, «Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 94стр. из 104 Working curriculum (syllabus) on the module "Man and disease" профессиональные блоги, веб-сайты, другие электронные справочные материалы (например, видео, аудио, дайджесты) Электронный контент к 1-15 занятиям: -презентация теоретической части - лекционный материал; -макро- и микрофотографии; -видео-файлы с описанием и заключением по макро- и микрофотографиям. **Google disk:**https://drive.google.com/drive/folders/1rybSm6GhZkiuIGJaNAh5gh8nJ8tD3uxk?usp=sharing Электронные учебники 1. Патологическая анатомия [Электронный ресурс] : национальное рук. / гл. ред. М. А. Пальцева,. - М. : ГЭОТАР - Медиа, 2013. - 1264 с 2. Струков, А. И. Патологическая анатомия [Электронный ресурс] : учебник - М. : ГЭОТАР - Медиа, 2013 3. Струков, А. И. Патологическая анатомия [Электронный ресурс] : учебник. - 5-е изд. стер. - Электрон. текстовые дан. (51,9 МБ). - М. : Изд. группа "ГЭОТАР-Медиа", 2011. - . эл. опт. диск (CD-ROM). 4. Патологическая анатомия [Электронный ресурс] : атлас: учеб. пособие / О. В. Зайратьянц [и др.]; под общ. ред. О. В. Зайратьянца. - Электрон. текстовые дан. (144 Мб). - М. : Изд. группа "ГЭОТАР-Медиа", 2010. - 472 с. эл. опт. диск (CD-ROM) .-Ссылка для доступа: http://www.studmedlib.ru, ЛОГИН ibragim123, ПАРОЛЬ Libukma123 (логин и пароль единый для всех) и/или на сайте библиотечно-информационного центра академии lib.ukma.kz 5. Тусупбекова, М. М. Морфологический атлас общепатологических процессов [Электронный ресурс] : учебник / М. М. Тусупбекова. - Электрон. текстовые дан. (1.03Гб). - Алматы : Эпиграф, 2016.

6-Электронды кітапхана -http://lib.ukma.kz 7-Электронды каталог

-ішкі пайдаланушылар үшін http://89.218.155.74 -сыртқы пайдаланушылар үшін 8-Республикалық жоғары оқу орындары аралық электронды кітапхана http://rmebrk.kz/ 9-«Студент кеңесшісі» Медициналық ЖОО электронды кітапханасы http://www.studmedlib.ru 10-«Параграф» ақпараттық жүйе «Медицина» бөлімі https://online.zakon.kz/Medicine

http://10.10.202.52

https://zan.kz https://elibrary.ru/

www.scopus.com

11-«Заң» құқықтық ақпараттың электронды дереккөзі

12-Ғылыми электрондық кітапхана

13-«BooksMed» электронды кітапханасы

http://www.booksmed.com

14-«Web of science» (Thomson Reuters)

http://apps.webofknowledge.com

15-«Science Direct» (Elsevier)

https://www.sciencedirect.com

16-«Scopus» (Elsevier)

17-PubMed

https://www.ncbi.nlm.nih.gov/pubmed

#### Литература

#### основная и дополнительная

на русском языке

1. Тусупбекова, М. М. Клиническая патоморфология: монография / М. М. Тусупбекова. - Алматы : Эверо, 2016. - 184 с.

2.Повзун, С. А. Патологическая анатомия в вопросах и ответах: учеб. пособие / С. А. Повзун. - 3-е изд., перераб. и доп. ; Рек. ГБОУ ВПО "Первый Мос. гос. мед. ун-т им. И. М. Сеченова". - М. : ГЭОТАР -Медиа, 2016. - 176 с. -

AKADEMIASY

SOUTH KAZAKHSTAN MEDICAL ACADEMY

<u>, 11.</u> «Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 95стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

<u>cabs</u>

SKMA

3.Патологическая анатомия. Руководство к практическим занятиям: учебное пособие / М-во образ. и науки РФ. Рек. ГБОУ ВПО "Первый МГМУ им. И. М. Сеченова"; 4. Под. ред. О. В. Зайратьянца, Л. Б. Тарасовой. - 2-е изд., испр. и доп. - М. : ГЭОТАР - Медиа, 2015. - 696 с. : ил.

4. Тусупбекова, М. М. Морфологический атлас общепатологических процессов : атлас. - Алматы : Эверо, 2012.

дополнительная

6.5. Тусупбекова, М. М. Клиническая патоморфология : учебное пособие. - Алматы : Эверо, 2012. 6.Современные проблемы теоретической и клинической морфологии: материалы конф. 3 дек. 2009 / Мво здравоохранения РК; Каз. нац. мед. ун-т им. С. Д. Асфендиярова; Ассоциация Казахстана. - Алматы : Б. и., 2009. - 341 с.

## **Pharmacology**

# **Electronic textbooks**

1. Kharkevitch, D. A. Pharmacology [Electronic resource] :textbook for medical students / D. A. Kharkevitch. - Electron.text data. (83.9 Mb). - Moscow: GEOTAR-Media, 2017. - e.opt. Disk

2. Pharmacology [Electronic resource]: okukuraly / ed. bas. G. M. Pichkhadze = Pharmacology: textbook / ed. G. M. Pichkhadze. - Electron.text data (43.0 Mb). - M.: "Litterra", 2016. - 504 bet p.

3. Maisky, V. V. Pharmacology with a general recipe [Electronic resource]: textbook for medical schools and colleges / V. V. Maisky, R. N. Alyautdin. - 3rd ed., add. and reprint. - Electron.text data. (36.1 MB). - Moscow: Publishing group "GEOTAR-Media", 2011. - 240 p.

4. Alyautdin, R.N. Pharmacology [Electronic resource]: textbook for secondary Prof. education / R. N. Alyautdin, N. G. Preferansky, N. G. Preferanskaya. - Electron.text data. (44.6 MB). - M.: Publishing Group "GEOTAR-Media", 2010. -704 p.

5. Harkevich, D. A. Pharmacology [Electronic resource]: textbook-Electron. text data. (62.1 MB). - M.: Publishing house of the group "GEOTAR-Media", 2010. - 752 p.

# In Russian:

# Main:

1. Pharmacology: textbook / ed. by R. N. Alyautdin-M: GEOTAR-Media, 2013. -832 +e-mail.

2. Kopasova V. N. Pharmacology: textbook.manual/V. N. Kopasova. - M.: Eksmo, 2011. - 352 p.

3. Harkevich D. A. Fundamentals of pharmacology: textbook. - M.: GEOTAR-Media, 2015. - 720 p.

4. Alyautdin R. N. Pharmacology: textbook. - M.: GEOTAR-Media, 2014. - 704 p. :

# **Additional information:**

1. Pharmacology of antimicrobial agents: textbook.manual / T. A. Muminov. - Almaty: Letter Print. Kazakhstan, 2016. - 784 p. -

2. Mashkovsky M. D. Medicinal products. 16. - e edition. pererab., add. and ispr. M. New Wave. 2017. - 1216 p.

3. Pharmacology:guide to laboratory classes: studies. manual / ed. by D. A. Harkevich. - 6th ed., ispr. and add.; Rec. educational and methodological association for medical and pharmaceutical sciences. education of Russian universities. - Moscow: GEOTAR-Media, 2014. - 512 p.

4. Fundamentals of pharmacology with a recipe: textbook / M. Z. Shaidarov [et al.]. - Astana: Aknur, 2014. -406 p.

5.Ormanov N. Zh. Pharmacological reference book of medicinal products (classification, nomenclature, mechanism of action and indications for use): textbook.- methodical manual /SKGFA. -; Approved by the Academic Council of the SKGFA. - Almaty: Evero, 2013. - 138 p.

# In English:

# Main:

1. Katzung, Bertram G.Basic and Clinical Pharmacology [Text] : textbook / Katzung Bertram G. - 14 nd ed. -[S. l.]: McGraw-Hill education, 2018.

Goodman end Gilman's, A. The Pharmacological Basis of Therapeutics [Text] : textbook / Goodman 2.



SOUTH KAZAKHSTAN MEDICAL ACADEMY

«Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 96стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

#### & Gilman's A.; editor L. L. Brunton . - 13 nd ed. - New York : McGraw-Hill Education, 2018.

11.	Educational resources	
N⁰	Name	Link
1	Republican Interuniversity Electronic	http://rmebrk.kz/
	Library	
2	Student's Consultant	http://www.studmedlib.ru/
3	Open University of Kazakhstan	https://openu.kz/kz
4	Law (access in the reference and	https://zan.kz/ru
	information sector)	
5	Paragraph	https://online.zakon.kz/Medicine/
6	Scientific Electronic Library	https://elibrary.ru/
7	Open library	https:// kitap.kz/
8	ThomsonReuters	www.webofknowledge.com
9	ScienceDirect	http://www.sciencedirect.com/
10	Scopus	https://www.scopus.com/
Elec	tronic books	1. Ф.А. Бердалиева Гельминтозы человека (этиология,
		эпидемиология, патогенез, клиника, диагностика, лечение,
		профилактика) [Электронный ресурс]:учебное пособие / Ф.
		А. Бердалиева, Р. Т. Джанабаев Электрон. текстовые дан.
		( 340 Кб). – Шымкент:ЮКГМА, 2012 46 эл. опт. диск
		(CD-ROM;
		2.Инфекционные болезни с основами эпидемиологии.
		Алшинбаева Г.У. 2018https://aknurpress.kz/login;
		3.Эпидемиология [Электронный ресурс]:учеб.
		пособие/Минздрав РФ, КГМУ; сост.:Г. Р. Хасанова, О. А.
		Назарова, Л. М. Зорина Казань :КГМУ, 2017 73 с.
		http://elib.kaznu.kz/
12	PVR Modulo Policy	· -

#### **12.** | **PVB Module Policy**

Requirements for students, attendance, behavior, grading policy, punitive measures, incentive measures, etc.

- 1. Be in special clothes (white robes, caps, masks, shoe covers) during classes.
- 2. Compulsory attendance of lectures, practical classes and SROP according to schedules.
- 3. Do not be late, do not miss lectures and classes. In case of illness, provide a certificate and a work-out sheet with an indication of the deadline, which is valid for 30 days from the moment it is received at the dean's office.
- 4. Missed classes for a disrespectful reason are not worked out. Students who missed classes for a disrespectful reason in the electronic journal next to the mark "h" are given a score of "0" and penalty points are deducted:

the penalty point for skipping 1 lecture is 1.0 point from the assessments of the midterm examination;

- the penalty point for skipping 1 session of the SRO is 2.0 points from the SRO assessments.
- 5. Attending classes with a doctor is mandatory. In case of absence of students at the SROP, a mark "ab" is made in the educational and electronic journal.
- 6. Each student must complete all forms of SRO assignments and pass on schedule.
- 7. For each practical lesson and SROP, all students should prepare in a timely and clear manner and take an active part in the discussion of the topic.
- 8. Be responsible for the sanitary condition of your workplace and personal hygiene.
- 9. Eating in classrooms is strictly prohibited.
- 10. Observe safety regulations when working with simulation models

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<u>.....</u> «Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 97стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

<u>cdb2</u>

SKMA

- 11. Comply with the Academy's internal regulations and ethics of conduct.
- 12. Be tolerant, open and friendly to fellow students and teachers.
  - Carefully treats the property of the department.
  - Active participation in the educational process. •
  - In the absence of activity and in case of non-fulfillment of tasks, penalties are applied and the score for the practical lesson is reduced.
  - Have an idea of the topic of the upcoming lecture, be ready for feedback at the lecture. •
  - Be able to work in a team.
  - Mandatory implementation of the SIW at a set time according to the schedule. •
  - Delivery of midterm examinationat the set time. •
  - Active participation of students in research work and in the activities of the department to improve the educational and methodological process.
  - Observe safety precautions in the classroom; •
  - Midterm examination of students' knowledge is carried out at least twice during one academic period on • 8/15 weeks (days) of theoretical training with the resolution of the results of midterm examinations in the academic progress journal and electronic journal, taking into account penalty points for missing lectures (lecture passes in the form of penalty points are deducted from the assessments of midterm examination). The penalty point for skipping 1 lecture is 2.0 points, taken away from the midterm examination. A student who has not appeared at the midterm examination without a valid reason is not allowed to take the exam in the discipline. The results of the midterm examination are provided to the dean's office in the form of a report doh09009-0\e until the end of the control week.
  - The SIW score is set at the SIW classes according to the schedule in the academic progress log and the electronic log, taking into account penalty points for skipping SIWT classes (skipping SIW classes in the form of penalty points are deducted from the SIW grades). The penalty point for skipping 1 session of the SIWT is 2.0 points.
  - The rating of admission to the exam consists of the average score of lectures, practical classes, SIW, midterm examination.
  - A student who has not scored a passing score (50%) on one of the types of controls (current control, • midterm examination No. 1 and /or No. 2) is not allowed to take the exam in the discipline.
  - In case of late delivery of the SIW, the student receives 0 points. •

13.	Academic policy based on the moral and ethical values of the Academy		
	Academic policy. Item 4 Code of Honor of students		
	The policy of grading by discipline.		
	The final assessment (FA) of students at the end of the course consists of the sum of the assessment		
	of the admission rating (AAR) and the assessment of the final control (AFC) and is set according		
	to the point-rating letter system		
	FA=AAR+AFC		
	The assessment of the admission rating (AAR) is equal to 61 points or 60% and includes an		
	assessment of the current control (ACC) and an assessment of the midterm examination (ABC)		
	The assessment of the current control (ACC) is an average assessment of the practical training of		
	the SIW.		
	The Midterm examination Assessment (MEA) is an average assessment of two midterm		
	examinations.		
	Assessment of the admission rating (AAR) 60 points are calculated according to the formula,		
	MEA $x 0,2 + ACC x 0,4$		
	The final control (FC) is carried out according to the testing formula and the student can get 40		
	points or 40% of the total score		
1			



SOUTH KAZAKHSTAN MEDICAL

АСАDEMY АО «Южно-Казахстанская медицинская академия» «Оңтүстік Қазақстан медицина академиясы» АҚ Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 98стр. из 104 Working curriculum (syllabus) on the module "Man and disease"

During testing, the student is offered 50 questions.

The calculation of the final control is performed as follows; if the student answered 45 questions out of 50, then this is 90%, 90x0.4 = 36 points, the final score is calculated if the student has positive ratings, both by the admission rating (AR) = 50 points or 30% or more, and by the final control (FC)=20 points or 20% or more

Final score (FS) (100 points)= MEA x0,2 + ACC x0,4 + (FC) x0,4 a student who received an unsatisfactory grade for one of the types of controls (RC, RC1, TCsr) is not allowed to take the exam. Penalty points are subtracted from the average score of the current control.

14. Approva	l and revision.		
Date of approval at the	Protocol №	Full name of the head of department	Signature
department	J1 <u>0</u>		
29.09.2023	N <u>°</u> 2	Head of the Department of «Propaedeutics of Internal Diseases», Doctor of Medical Sciences, Professor Bekmurzaeva E.K.	beeg-
26.09.2023	N <u>∘</u> 2	Head of the Department "Pediatrics №1" PhD Kemelbekov K.S.	OP
04.09.2023	<b>№</b> 2	Head of the Department of «Pathology and forensic medicine» Doctor of Medical Sciences, acting Professor Sadykova A.Sh.	Ch
14.09.2023	N <u>°</u> 2	Head of the Department of «Pharmacology, Pharmacotherapy and Clinical Pharmacology», Candidate of Science in Pharmacy, acting Professor Toksanbaeva Zh.S.	mefuces
Meeting approval date EPC	Protocol №	Full name of the chairman of the EPC	Signature
04.09.2023	Nº2	Doctor of Medical Sciences., acting Professor Sadykova A.Sh.	Ch

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Departments: «Propaedeutics of Internal Diseases », «Pediatric	044-47/11	
«Pharmacology, Pharmacotherapy And (	99стр. из 104	
Working curriculum (syllabus) on the mo		

# Φ-044/270/01-2022

Protocol of coordination of the Working curriculum of the discipline (Syllabus) with other disciplines for 2022-2027

Coordination disciplines	Proposals for changes in the proportions of the material, the order of presentation, etc.	Protocol numbers and meeting dates of the coordinating departments
1	2	3
Prerequisites:	I	
1. Propaedeutics of Internal Diseases -1	Agreed	<b>Protocol</b> № <u>4</u> <u>4</u> , from <u>13.12</u> . 2022y.
2. Propaedeutics of childhood diseases - 1	Agreed	<b>Protocol</b> № <u>5</u> , from <u>29</u> <u>11</u> , 2022y.
3. General pathological anatomy	Agreed	<b>Protocol</b> $\mathbb{N}_{2}$ $\underline{5}$ , from $\underline{\mathcal{OL}}$ $\underline{\mathcal{IL}}$ . 2022y.
4. General pathological physiology	Agreed	<b>Protocol</b> № <u>4/</u> <i>A</i> , from <u>13. 12.</u> 2022y.
5. Pharmacology -1	Agreed	<b>Protocol</b> № <u>5</u> , from <u>19. 12.</u> 2022y.
Post-requisites:		
1. Basics of Internal Diseases -1	Agreed	<b>Protocol</b> № <u>4</u> , from <u>25, 11.</u> 2022y.
2. Basics of childhood diseases-1	Agreed	<b>Protocol</b> № <u>4</u> , from <u>3.11.</u> 2022y.
3. Basics of surgical diseases	Agreed	<b>Protocol</b> № <u>4</u> , from <u><u>18</u>, <u>11</u>. 2022y.</u>
4. Basics of Obstetrics and gynecology	Agreed	<b>Protocol</b> № <u>6</u> , from <u>15.12.</u> 2022y.

SOUTH KAZAKHSTAN MEDICAL

<u>cdbo</u> **SKMA** AKADEMIASY ACADEMY  $\mathcal{M}_{i}$ «Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 100стр. из 104 Working curriculum (syllabus) on the module "Man and disease" - Prerequisites: 1. Propaedeutics of Internal Diseases 1 Head of the Department J.M.H., Doctor of Medical Sciences, Professor Bekmurzaeva E.K. Beree 2. Propaedeutics of childhood diseases -1 Head of the Department PhD Kemelbekov K.S. 3. General pathological anatomy Head of the Department Doctor of Medical Sciences, acting Professor Sadykova A.Sh. 4. General pathological physiology Head of the Department Candidate of Biological Sciences, Associate Professor Zhakipbekova G.S. 5. Pharmacology-1 Head of the Department Candidate of Science in Pharmacy, acting Professor Toksanbaeva Zh.S. - Post-requisites: 1. Basics of Internal Diseases-1 Head of the Department Candidate of Medical Sciences, Associate Professor G.K.Asanova 2. Basics of childhood diseases-1 Head of the Department Candidate of Medical Sciences, prof. G.E.Bektenova 3. Basics of surgical diseases Head of the Department Candidate of Medical Sciences, Associate Professor K.N.Zhumagulov 4. Basics of Obstetrics and gynecology Head of the Department PhD., ass. prof. S.N.Kulbaeva

ОŃTÚSTIK QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	SKMA -1979- 	SOUTH KAZAKHSTAN MEDICAL ACADEMY AO «Южно-Казахстанская медицинская ак	адемия»
Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine»,			044-47/11
«Pharmacology, Pharmacotherapy And Clinical Pharmacology»			101стр. из 104
Working curriculum (syllabus) on the module "Man and disease"			

# Addition and change:

Protocol of coordination of the working curriculum of the discipline (Syllabus) with other disciplines for 2022-2027

Coordination disciplines	Proposals for changes in the propotijns of the material, the order of presentation, etc.	Protocol numbers and meeting dates of the coordinating departaments 3	
1	2		
Prerequisites:			
1. Propaedeutics of Internal Diseases 1	Agreed	Protocol № £, from <u>19.09. 2083</u>	
2. Propaedeutics of childhood diseases -1	Agreed	Protocol № 2, from 26.09.2023	
3. General pathological anatomy	Agreed	Protocol № 2, from 04.09.2023	
4. General pathological physiology	Agreed	Protocol № <u>L</u> , from <u>09.2023</u>	
5. Pharmacology- 1	Agreed	Protocol № d, from 14.09.2023.	

<u>cdb2</u> OŃTÚSTIK QAZAQSTAN SOUTH KAZAKHSTAN MEDISINA SKMA MEDICAL AKADEMIASY ACADEMY <u>, 1</u> «Оңтүстік Қазақстан медицина академиясы» АҚ АО «Южно-Казахстанская медицинская академия» Departments: «Propaedeutics of Internal Diseases », «Pediatrics №1 », «Pathology and Forensic Medicine», 044-47/11 «Pharmacology, Pharmacotherapy And Clinical Pharmacology» 102стр. из 104 Working curriculum (syllabus) on the module "Man and disease" - Prerequisites: 1. Propaedeutics of Internal Diseases 1 Head of the Department d.m.s, Doctor of Medical Sciences, Professor Bekmurzaeva E.K. Sete-2. Propaedeutics of childhood diseases -1 Head of the Department PhD Kemelbekov K.S. 3. General pathological anatomy Head of the Department Doctor of Medical Sciences, acting Professor Sadykova A.Sh. 4. General pathological physiology Head of the Department Doctor of Medical Sciences, acting Professor Sadykova A.Sh. 5. Pharmacology-1

Head of the Department Candidate of Science in Pharmacy, acting Professor Toksanbaeva Zh.S. Actuary