SYLLABUS

Working curriculum of the discipline "Blood and lymph in pathology" Educational program 6B10115 "Medicine"

1.	General information about the discipline	SK. Wa	6 41. 15 St. Wa.
1.1	Course code: KLP 3307	1.6	Academic year: 2025-2026
1.2	Course name: Blood and lymph in pathology	1.76	Course:3
1.3	Prerequisites: blood and lymph in normal	1.8	Semester: 6
1.4	Postrequisites: Fundamentals of Internal	1.9	Number of credits (ECTS):
). K	Medicine	So Yn. K	4/120
1.5	Cycle: SD	1.10	Component: IC
(231	Description of the discipline	70. 00	1, 1 1/1, 3, 00 1

2. Description of the discipline

Integrated discipline: formation of fundamental knowledge on the basics of semiotics, syndromology, physical examination methods, issues of etiology, pathogenesis, morphogenesis of the blood and lymph system, mastering the skills of selection and analysis of the effectiveness of diagnostic methods and properties of drugs for the treatment of diseases, taking into account the principles of evidence-based medicine and a patient-centered approach.

3.	Summative Assessment Form	V 5	1, 40, 60, 471, 17 et
3.1	• Testing	3.5	Coursework
3.2	Writing	3.6	Essay
3.3	Oral	3.7	Project
3.4	Assessment of practical skills	3.8	Other (specify)
10	Objectives of the dissipline	70, 00	17 1 1/1 20

4. Objectives of the discipline

Formation of a holistic understanding of the main symptoms and syndromes of blood and lymph diseases in adults, as well as methods of their study.

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

Formation of clinical thinking skills based on knowledge of etiology, pathophysiological mechanisms of the course, pathological changes, complications and outcomes of diseases, physical and clinical laboratory examination methods and the choice of drugs in adults with the main clinical syndromes of blood and lymph diseases.

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5.	Final learning outcomes (LO of the discipline)
LO1.	Demonstrates knowledge and understanding of the basics of semiotics and syndromology, etiology, pathogenesis and morphogenesis of pathology of the digestive and endocrine systems
LO2.	Has knowledge of methods for interviewing adults, uses clinical thinking in collecting information when drawing up an examination plan; outlines the scope of basic and additional studies to clarify the syndrome of damage in pathology digestive and endocrine systems
LO3.	Has knowledge of methods for interviewing adults, uses clinical thinking in collecting information when drawing up an examination plan; outlines the scope of basic and additional studies to clarify the syndrome of damage in pathology digestive and endocrine systems, formulates a syndromic diagnosis, fills out a medical history

LO4.	Reportsinformation, ideas, problems and solutions to patients and their family members, knows the norms of ethics and deontology in communication with patients, their relatives and colleagues									
LO5.	Identifies pathological processes at the organ and cellular levels, interprets data on the pathophysiology and morphology of diseases taking into account the clinical data of patients, makes conclusions, explains the patterns of development of complications and outcomes of pathology of the digestive and endocrine systems, evaluates the results of experimental studies									
LO6.	Selects medicinalmeans in according the dosage regimen, recognizes effects and interactions of drug	adverse effects of	drugs, pro	edicts	the developm	nent of side				
5.1	LO discipline	Learning			e EP, which ar scipline LO	e associated				
KWai	LO 1 LO 2	biomedic) · · · · · · · · · · · · · · · · · · ·	l, epic	l knowledge i demiological a actice.					
1, K1	LO 3 LO 4	of biome sciences	dical, clini aimed at d	ical, a liagno	entered care in and epidemiolousing, treating, amon diseases	ogical , and				
yna.	a.edu.kl skrigiedi.	diagnosti rehabilita including	cs, treatmention of pe	ent, d diatrio wom	t consultation ynamic monit c and adult pa en, based on t ased medicine	oring and tients, he				
150	LO 6	LO 11 A	nalyzes the	e effe ts usi	ctiveness of d	iagnostics				
6.	Detailed information about the	discipline	701. K	1	St Mo 8	711.17				
na.edi.k	 Detailed information about the discipline Venue (building, auditorium): Location of the Department of Pathology and Forensic Medicine: Shymkent, Al-Faral sq., 3, academic building No. 2 SKMA, 4th floor, rooms No. 404 a, b, No. 406, No. 408, No. 409, No. 411 a, b; e-mail: Patan.gisto@mail.ru Location of the Department of Pharmacology, Pharmacotherapy and Clinic of Pharmacology: Shymkent, Al-Farabi Ave., 1, main educational building of SKMA, 4th floor, room No. 419, No. 421, No. 425, No. 429, No. 431, No. 434, No. 417, lecture hall No. 4; tel. 40-82-06 (ATS), 227 (ext.). Location of the Department of Internal Medicine Propaedeutics: Shymkent, ParkHealth Clinic, Kabanbai Batyr St., 26; tel.: 8 701 738 6114, e-mail:propedevtica_vb@mail.ru 									
6.2	Number of hours 120	Lectures	Practical les.	Lab	SIWT	SIW				

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АСА**DEMY** АО «Южно-Казахстанская медицинская академия» «Оңтүстік Қазақстан медицина академиясы» АҚ

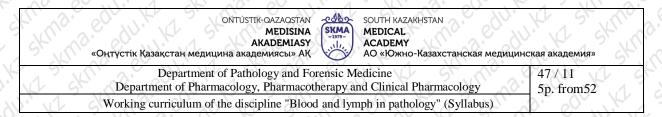
Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus) 47 / 11 3p. from 52

12 68 6.3 Planstudy of the discipline Days 3 4 5 8 Watch Form of the lesson Pathological physiology Lecture 3 3 Practic 2 8 SIWT 1 1 3 SIW 6 2 $14+3(\Pi A)=1$ Pathological anatomy Lecture 1 2 1 (1 cr.) Practic 3 3 2 8 **SIWT** SIW 2 $14+3(\Pi A)=1$ 6 6 Propaedeutics of internal Lecture diseases Practic 4 8 (1 cr.) **SIWT** 3 SIW 6 $14+3(\Pi A)=1$ 7 Pharmacology Lecture (1 cr.) 2 3 Practic 3 8 al **SIWT** 1 1 1 3 $14+3(\Pi A)=1$ SIW

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10	Zhanadilov Serzhan assistant mash1ron Myrzakhmetuly		Zhanadilov Serzhan assistant <u>mash1rorazh@mail.ru</u>					
8.	Thematic plan	0. 60 111.11	cki, a	(y. °C)	1.1.5	141 NO		
Wee k/ day	Topic Title	Summary	RO discipl ine	Quan tity hours	Methods/ learning technologie	Forms/ evaluatio n methods		
Ling sking s	Propaedeutics of internal diseases. Lecture 1 Research methodspatients with pathology of the hematopoietic system. Diagnostic value.	Methods of examination of patients with pathology of the hematopoietic system. Diagnostic value. Questioning, general examination, main and additional complaints of patients with pathology of the hematopoietic system. Data of physical methods of examination of the hematopoietic system. Method and technique of palpation and percussion of the spleen. Method and technique of palpation of the lymph nodes.	LO2, K a edi. kd kma. a kma. a kma	ALL STANDERS OF ST	Overview lecture	Blitz survey, feedback		
Wg. E	Propaedeutics of internal diseases. Practicallesson 1	Methods of examination of	LO 1 LO 2 LO 6	3	Discussion of the topic of the lesson,	Oral Questioni ng		

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Methods of examination of patients with pathology of the hematopoietic system. Diagnostic value.	patients with pathology of the hematopoietic system. Diagnostic value. Questioning, main and additional complaints, general examination of patients with pathology of the hematopoietic system. Data of physical methods of examination of the hematopoietic system. Method and technique of palpation and percussion of the spleen. Method and technique of palpation of the lymph nodes.	a ed	Strate St	practical workwhat skills	Checklist , Practical Assimila bility Checklist their skills
Propaedeutics of internal diseases. SIWT /SIW 1 SIW tasks: theoretical training on the topic of the lesson.	Methods of examination of patients with pathology of the hematopoietic system. Examination, general examination of patients with pathology of the hematopoietic system. Methods	LO 1 LO 2 LO 6	1/5 1/5 20. Edi	Case solution, performanc e of practical skills.	Case solution checklist.Pr actical Skills Checklist

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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pharmacology.Lecture 1 Medicines, affecting hematopoiesis	Drugs used in anemic syndrome. Drugs affecting erythropoiesis and leukopoiesis. Classification. Mechanism of action. Pharmacokinetic s of drugs. Indications and contraindication s.	LO 1 LO 6	Kalaki Kalaki Kalaki Kalaki	Overview lecture	Blitz poll, reverset h connecti on
4 8 8 8 7 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Pharmacology. Practical lesson 1 Medicines, affecting hematopoiesis Agents affecting erythropoiesis and leukopoiesis.	Erythropoiesis stimulants. Leukopoiesis stimulants. Drugs used in anemic syndrome. Drugs used in hemorrhagic and myelo- and lymphoproliferat ive syndrome. Classification. Mechanism of action. Pharmacokinetic s of drugs. Indications and contraindication s.	LO6	Mare Skina.	oral survey, description of images, solution of test tasks	Checklis t for oral questioni ng
3.69	Pharmacology. SIWT /SIW 1 SIW tasks: write prescriptions for drugs	Drugs used for sickle cell anemia. Classification. Comparative	LO 6 LO 7	1/6	Case solutionarti cle	Case Solution Checklist

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War Egginik 17 3	Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology	47 / 11 8p. from52
1/4/9 J. 60 911. 15	Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)	19. CON 1/2 2, CK
SE SKULUS SE SON	characteristics of drugs	Thus. Contra

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	of the discipline "Blood and lymph in			20 Kr
a. edu Ju. K. J. skina. edu. K. skin	characteristics of drugs. Application. Possible complications and their prevention. General characteristics. The mechanism of antitumor action of drugs	edu.k. Skrige Skriger	A SKINA SKIN	sky sky
19.60 gn. 17 7 2KM	of different groups.	18. Sep. 911	1. KI SKI	49.360
PathologicalI am a Lecture 1 Anemia	associated with deficiency of macronutrients and vitamins, bone marrow pathology, dyserythropoietic anemia (suppression of	LO 1 1	Overview lecture	Blitz Poll Feedba k
skura generalika skura edi 1 skura edin ka skura edin ka 1 skura edin ka skura edin ka 1 skura edin ka skura edin ka 1 skura edin ka skura edin ka	utilization), acute and chronic posthemorrhagic anemia. Hemolytic	squikt skilas	TKT Sking sedi	
skug edrinkry s. sku	hemolysis): spherocytosis, elliptocytosis, pathology of erythrocyte	1 5K NO	1. 1	1 Skulgier
ing squ'ht skurg. sku	enzymes, hemoglobin defects; immune, non- immune, toxic anemia. Etiology,	ingregnist	J. Skind. E. Skind. Ski	zdu.ki na zdu.ki 1 skna e

ing equity sking equity ing equity sking equity e	pathogenesis, morphogenesis, pathological anatomy, complications and causes of death. Clinical significance	sking, edi	segni grist	edu.kl sa.kl.kl.sk sa.kl.kl.sk sa.edu.kl.sk	KT SKUS SKUS SGI SEGITIK
PathologicalI am anatomy. Practicallesson 1 Anemia	Anemias associated with deficiency of macronutrients and vitamins, bone marrow pathology, dyserythropoieti c anemia (suppression of erythropoiesis, decreased iron utilization), acute and chronic posthemorrhagic anemia.	LO 3 LO 5	33 SKUSE	Discussion se topics, description of macroand microprep arations with a conclusion , case study	Checklis
PathologicalI am anatomy. SIWT /SIW 1 SIW tasks: theoretical training on the topic of the lesson. Solution of cases specified in the content on the topic of the lesson.	Hemolytic anemias (intra- and extracellular hemolysis): spherocytosis, elliptocytosis, pathology of erythrocyte enzymes, hemoglobin defects; immune (isoimmune, non-immune - microangiopathi c, autoimmune), toxic anemia. Etiology, pathogenesis, pathological anatomy, complications,	LO3 LO5	12 Skings	Case solution	Case Solution Checklist

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31.0	Miky ski kusi segan	causes of death. Clinical significance.	s. societi	90.KJ	1 SKUUS.	v.egn
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	PathologicalI am physiology. Lecture 1 Pathology of red blood cells	Anemias, classification, etiopathogenesis, manifestations. Posthemorrhagic, hemolytic and dyserythropoietic anemias, characteristics, changes in the hemogram. Erythrocytosis, concept, types, causes, mechanisms of development, manifestations, changes in the hemogram. Pathological formserythrocytes. Clinical significance	LOTO SKING SKI	1. du. kl. kl. kl. kl. kl. kl. kl. kl. kl. kl	Overview lecture	Blitz Poll Feedbac k
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	PathologicalI am physiology. Practical lesson 1 Pathology of red blood cells	Anemias, classification, etiopathogenesis, manifestations. Posthemorrhagic, hemolytic and dyserythropoietic anemias, characteristics, changes in the hemogram. Erythrocytosis, concept, types, causes, mechanisms of development, manifestations, changes in the hemogram.	LO3 LO5	Syna e	Work in small groups, discuss the topic, case study	Checklis

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geniky skulgiegegni	erythrocytes. Clinical significance.	rwg s	Sqnix	KT SKULO	Mg. Sieg
PathologicalI am physiology. SIWT /SIW 1 SIW tasks: theoretical training on the topic of the lesson. Solution of cases specified in the content on the topic of the lesson.	Blood volume disorders, hyperand hypovolemia. Changes in blood viscosity and osmotic pressure, erythrocyte sedimentation rate and resistance, hemoglobin composition. Clinical significance.	LO3 LO5	And A	Case solution	Case Solution Checklist
Propaedeutics of internal diseases. Lecture 2 Leading clinical syndromes (anemic, hemorrhagicand thrombocytopenic) in hematology.	Predisposing factors and causes leading to the development of anemic, hemorrhagic and thrombocytopeni c syndromes. Questioning, main and additional complaints, anamnestic features, general examination and objective data of the patient. Laboratory and instrumental research methods for leading clinical syndromes of diseases of the	LO 2	11/2 strike stri	Overview lecture	Blitz Poll Feedbac k
2 skn. 1	J.K. Skina. edu. kl. s. s. skina. edu. kl. skina. edu. kl. skina. edu. kl. skina. edu. kl. s. s. skina. edu. kl. skina. edu. k	instrumental research methods for leading clinical syndromes of	instrumental research methods for leading clinical syndromes of diseases of the organs of the	instrumental research methods for leading clinical syndromes of diseases of the organs of the	instrumental research methods for leading clinical syndromes of diseases of the organs of the

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Propaedeutics of internal diseases. Practical lesson 2 Leading clinical syndromes (anemic)in hematology. Diagnostic value.	Predisposing factors and causes leading to the development of anemic syndrome. Questioning, main and additional complaints, anamnestic features, general examination and objective data of the patient with anemic syndrome. Laboratory and instrumental research methods for anemic syndrome.	LO 1 LO 2 LO 6	Skusie Skusie Skusie Skusie Skusie Skusie Skusie Skusie Skusie	Discussion se topics of practical classes, solving situational problems	Oral Checklis tsurvey and situation al tasks
Propaedeutics of internal diseases. SIWT /SIW 2 SIW task:preparation for the final control.	Border control #1 Topics of lectures, practical classes, independent work, covered during 1-5 days of training	LO 1 LO 2 LO 6	1/3 1/3 Kring 1	Integrated monitoring of educational achievemen ts using control educational cases, solving test tasks	Case solution checklist.Pr actical Skills Checklist. Midterm Control Checklist
Pharmacology. Practical lesson 2 Funds, affecting platelet aggregation, blood clotting and fibrinolysis.	Drugs used for the prevention and treatment of thrombosis. Drugs that reduce platelet aggregation (antiplatelet agents). Drugs that reduce blood clotting (anticoagulants).	LO 6	Straged Land	Discussion se questions on the topic, completin g test tasks, solving situational problems.	Checklis t for oral questioni ng

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Kus.	Discourse less CHAIN (CHAIN	Fibrinolytic agents (thrombolytic agents). Agents that help stop bleeding (hemostatics).		a.edu.	Casa	Skulg edi
Skus Skus Skus Skus Skus	Pharmacology. SIWT /SIW 2 SIW tasks: write prescriptions for drugs	Drugs used in hemorrhagic and myelo- and lymphoproliferat ive syndrome. Drugs used in chronic myelogenous leukemia. Drugs used in multiple myeloma.	LO 6 LO 7	1/2	Case solution	Case Solution Checklist
6	PathologicalI am anatomy. Lecture 2 Leukemia	Acute and chronic leukemia. Etiology, pathogenesis, pathological anatomy, complications. causes of death. Clinical significance.	LO 1	Skily S	Overview lecture	Blitz Poll Feedbac k
or skings by skings sking skings sking sking sking skings skings sking s	PathologicalI am anatomy. Practicallesson 2 Leukemia	Acute and chronic leukemia. Etiology, pathogenesis, pathological anatomy, complications, causes of death. Clinical significance	LO 3 LO 5	Ja edu. Ju. K. Ju. Ju. K. Ju.	Discussion se topics, description of macro- and microprep arations with a conclusion , case study	Checklis
Ug.e	PathologicalI am anatomy. SIWT /SIW 2 SIW tasks:theoretical training on the topic of the lesson. Solution of cases specified in	Anemia. Congenitaland acquired hypo- and aplastic anemia.	LO 3 LO 5	1/6	Case solution	Case Solution Checklist

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the content on the topic of the lesson.	Etiology, pathogenesis, pathological anatomy, complications, causes of death. Clinical	ra.edu. Krna.edi Skrna	rwa egan. 13.6da.	SERVING SERVIN	skus eqn.
7 PathologicalI am physiology. Lecture 2 Leukocyte pathology	significance Leukocytosis, concept, types, causes, development mechanisms, manifestations. Changes in the leukocyte formula. Leukopenia, concept, types, pathogenesis. Pathological forms of leukocytes. Clinical significance	LO.I. RO.I. RO	1 Skuly	Overview lecture	Blitz Poll Feedbac k
PathologicalI am physiology. Practical lesson 2 Leukocyte pathology	Leukocytosis, concept, types, causes, development mechanisms, manifestations. Changes in the leukocyte formula. Leukopenia, concept, types, pathogenesis. Pathological forms of leukocytes. Clinical significance	LO 3 LO 5	3. Sking.	Work in small groups, discussion of the topic, case study	Checklis
PathologicalI am physiology. SIWT /SIW 2 SIW tasks:theoretical training on the topic of the lesson.	Disorders of lymph formation, lymph	LO 3 LO 5	1/6	Case solution	Case Solution Checklist

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so start	Solution of cases specified in the content on the topic of the lesson.	circulation, lymph coagulation, lymphostasis. Mechanical, dynamic and resorption lymphatic insufficiency, etiopathogenesis , manifestations. Clinical significance.	a.edu.k kha.ed kha.kl edu.kl	Strate St	Sking s Sking sking s Sking sedu. Kl Sking sedu. Kl Sking sedu. Kl Sking sedu. Kl Sking sedu. Kl	geduik duikl kr sking kr sking ing eduik
18 SKUS SKUS SKUS SKUS SKUS SKUS SKUS SKU	Pharmacology. Lecture 2 Funds, affecting platelet aggregation, blood clotting and fibrinolysis.	Drugs used for the prevention and treatment of thrombosis. Drugs that reduce platelet aggregation (antiplatelet agents). Drugs that reduce blood clotting (anticoagulants). Fibrinolytic agents (thrombolytic agents). Agents that help stop bleeding (hemostatics)	LO 1 LO 6	SKUS SKUS SKUS SKUS SKUS SKUS SKUS SKUS	Overview lecture	Feedbac k (test question s)
es ed ha.ed kina	Pharmacology.Practical lesson 3 Anti-regionmany means	Classification. Comparative characteristics of drugs. Application. Possible complications and their prevention. General characteristics. The mechanism of antitumor action of drugs	LO6	edu.	Discussion se questions on the topic, completin g test assignmen ts, solving situational problems.	Checklis t for oral questioni ng

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11. 11 st 20. 000	groups.	9. 001	1 Kr	2 Miles	J. 900
Pharmacology SIWT /SIW 3 SIW tasks: write prescriptions for drugs	Antitumor agents. Monoclonal antibodies - tarstuzumab, rituximab, bevacizumab, cetuximab. Protein kinase inhibitors - imatinib, gifetinib, erlotinib, temsirolimus and other antitumor drugs: asparaginase-6 hydroxyurea. Application in medicine characteristics of myelo- and lymphoproliferat ive syndromes in children.	LO 6 LO 7	a. edu. kina. edu. kin	Case solution	Case Solution Checklis
PathologicalI am physiology.Practical lesson 3 Pathology of hemostasis	Typical forms of hemostasis pathology. Hemorrhagic syndromes, concept, types. Vasopathies, thrombocyte pathology, coagulopathy, etiopathogenesis, manifestations. Thrombophilia, concept, types, causes of development.	LO3 LO5	2 skr	Work in small groups, discussion of the topic, case study	Checkli
Mikh & Skiller Skiller Sedi	Clinical significance.	Jg. 6	90,717	17 3 TKU.	Vg. 50

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Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology

Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

iskus Skus Skus Skus Skus Skus Skus Skus	physiology. SIWT /SIW 3 SIW tasks: theoretical training on the topic of the lesson. Solution of cases specified in the content on the topic of the lesson.	intravascular coagulation syndrome, concept, causes, development mechanisms, stages, manifestations, outcomes. Clinical significance.	LO 5	J.K. Skri	solution	Solution Checklist
9 ed.	PathologicalI am anatomy. Practicallesson 3 Lymphomas	Lymphomas. Classification. Etiology, pathogenesis, pathological anatomy, complications, causes of death. Clinical significance.	LO 3 LO 5	2 Kings	Discussion se topics, description of macro- and microprep arations with a conclusion , case study	Checklis
na.edu.	PathologicalI am anatomy. SIWT /SIW 3 SIW tasks: theoretical training on the topic of the lesson. Solution of cases specified in the content on the topic of the lesson.	Pathology of hemostasis. Pathological anatomy of DIC syndrome. Etiology, pathogenesis, pathological anatomy, complications, causes of death. Clinical significance	LO3 LO5	1/2	Case solution	Case Solution Checklist
10 redu	Propaedeutics of internal diseases. Practicallesson 3 Leading clinical syndromes (hemorrhagic(thrombocytope nic) in hematology. Diagnostic value.	Predisposing factors and causes leading to the development of hemorrhagic and thrombocytopeni c syndromes. Questioning, main and	LO 1 LO 2 LO 6	du.kl	Discussion of the topic of the lesson, practical workwhat skills	Oral Questioni ng Checklist , Practical Assimila bility Checklist their skills

ONTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АК Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus) SOUTH KAZAKHSTAN MEDICAL ACADEMY AO «Южно-Казахстанская медицинская академия» 47 / 11 18p. from52

ONTÚSTIK-OAZAOSTAN MEDISINA AKADEMIASY «Онтустік Қазақстан медицина академиясы» АҚ Department of Pathology and Forensic Medicine SOUTH KAZAKHSTAN MEDICAL ACADEMY AO «Южно-Казахстанская медицинская академия» 47 / 11

Department of Pathology and Forensic Medicine
Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology

Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

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10.1									
№ LO	Name of learning outcomes	Unsatisfactory	Satisfacto rily	Fine	Great				
LOI LOI SKING	Demonstrates knowledge and understanding of the basics of semiotics and syndromology, etiology, pathogenesis and morphogenesis pathological changes in blood and lymph	1. Doesn't have a basic understanding of the basics semiotics and syndromology, does not determine symptoms and syndromes. 2. It can't explain etiology, pathogenesis and morphogenesis pathological changes in blood and lymph	1. Does not have a basic understand ing of semiotics and syndromol ogy, makes gross mistakes when definition symptoms and syndromes in blood pathologies and lymph. 2. Makes mistakes when explaining etiology, pathogenesi s and morphogen esis pathologica I changes in blood and lymph	1. Has a basic knowledge of semiotics and syndromol ogy,reveals symptoms and syndromes. 2. Explains etiology, pathogenesis and morphogen esis pathological changes in blood and lymph, but allows unprinciple d inaccuracies	1. Fluent in the basics semiotic s and syndrom ology, on one's own defines symptom s and syndrome s. 2. Free explains etiology, pathogen esis and morphog enesis pathologi cal changes blood and lymph				
LO 2	Has mastered the methods conducting an inquiry, physical examinations adults, uses clinical thinking in collecting information when making a plan examinations; plans	Doesn't know the basics physiological system processes blood and lymph	Makes mistakes when describing main physiologic al system processes	Describes main physiologic al system processes blood and lymph	1.Demon stratest main physiolog icallye processes blood systems and				

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in the skilling section of the	volume of main and additional research for clarification of the syndrome defeats at blood pathologies and lymph	12. 6du. K1 5K. 5K. 102 5K. 103 6K. 10	blood and lymph	1 SKYMa. 1.KL SKMa. 3.KL SKMa.	lymph
1.k1 1. skusis si sqi 1. skusi seqinik	Uses clinical thinking in collecting information when interpreting results morphological, laboratory and instrumental research methods patients at blood pathologies and lymph, formulates syndromic diagnosis, fills out medical history	1. Doesn't know the basics metabolic pathways that influence system function blood systems and lymph. 2. Doesn't understand biochemical processes, related to blood system and lymph	2.0 -40.	KT SKUSIEG	ates a syndrome diagnosis, fills out the medical history. 3. Solves problems effectivel y situationa

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Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

YU	15 3K, Wg. 60, M.	157 84, Wg. 6		KU, VS.	1 tasks
LO4 LO4 LO4 LO4 LO4 LO4 LO4 LO4	Communicates information, ideas, problems and solutions to patients and their family members, and is proficient in ethical and deontological practices when interacting with patients, their relatives and colleagues	1. Doesn't know how to apply knowledge about blood and lymph system in a clinical context, has not acquired the skills to collect a clinical anamnesis and physical examination of patients with blood and lymph diseases to provide first aid. 2. Not able to interpret the resultslaboratory and instrumental research	1.Not fully able to apply knowledge about blood and lymph system in a clinical context, collection of clinical The anamnesis and physical examinatio n of patients with blood and lymphatic diseases for the provision of first aid is carried out with errors. 2.Weaknavi gates through interpretati on resultslabor atory and instrumenta 1 research	1. Listsin formation about the blood system and lymph in a clinical context, collects clinical history and physical examinatio n of patients with blood and lymph diseases and provides first aid. 2. Well versed in interpreting the results of laboratory and instrumenta 1 studies	1. Dem onstrates freely knowledge of the blood and lymph system in a clinical context, collects clinical history and physical examination of patients with blood and lymph diseases and provides first aid. 2. Excellent orientation in the interpretation of the results of laborator y and instrume ntal studies
LO 5	Identifies pathological processes at the organ and cellular levels, interprets data on the pathophysiology and morphology of diseases taking into account the clinical data of patients, makes conclusions, explains the patterns of	1. Unable to determine pathological processes at the organ and cellular levels, makes gross errors. 2. Cannot interpret data on the etiology,	1. Determines pathologica l processes at the organ and cellular levels, but	1. Determines pathologica 1 2. processe s at the organ and cellular	1.Indepen dently determine s pathologi calproces ses at the organ

OŃTÚSTIK-QAZAQSTAN ОНТО ПО ПО ПОСТАКА ДЕЛАН МЕДІЗІЛА МЕДІЗІЛА АКАДЕМІАЅУ «Оңтүстік Қазақстан медицина академиясы» АҚ

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development of complications	pathophysiology and	makes	levels.	and
and outcomes of blood and	morphology of	gross	Interprets	cellular
ymph pathology in children,	diseases, taking into	errors.	data on	levels.
valuates the results of	account the clinical	2. Cannot	etiology,	2.
perimental studies	data of patients.	interpret	pathophysi	Interpre
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My Sie Mr. Kr	development of	ology and	account the	siology
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17 94, 29. 600	lymph pathology.	diseases,	3. Dr	gy of
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go, Kr Sightie	experimental research,	clinical	will explain	into
10 41. KT 24 W	makes fundamental	data of	the patterns	accoun
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7. Vg. 60, 111-11	deciding	erroneous	tcomplicati	data of
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1140 3:60 411. KJ	2/2, Wo So M.	outcomes	non-	entcom
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Sylv. Kr Sk We	3. C. M. K. 26.	the results	situational	patholo
3.60 M. M. 24. W	0 60 M. T	of	issues	y.
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111, 11 Apr. 20.	W. T. J. W.	5. Solves	1 3 11	effective

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skug sege	in. Ly skirus skus egr	edu.Kr. s. skul	problems, but makes fundamenta 1 mistakes	1.KT 2 8KU	situationa 1 tasks
LO 6 JULY	Choosesmedicines according to the diagnosis, writes prescriptions, determines the dosage regimen, recognizes adverse effects of medicines, predicts the development of side effects and drug interactions in blood and lymph pathology	overall pharmacological group of drugs. 2. Writes outrecipe with making mistakes	1. Sel ects pharmacolo gical group of drugsfunds for organs and systems. 2. Writ es outrecipe with help reference literature/so urces	treatment and prevention of the most common diseases. 2. Writes outrecipe for the given drugdrug without errors 3. Calcula tesdose of medication means	1. Selects medicinal drugs from various pharmace logical groups is accordance with indications and sid effects. 2. Write outrecipe for medicinal means is the most appropriate dosag form depending g on age gender, and functional
241.KJ 3.KJ 3.KJ 3.KJ 3.KJ 3.KJ 3.KJ 3.KJ 3	kwa egrafiki ki si skura	sugiegniky sie	Kura's Skura's	ug signik	stics. 3. Conductscald ulation of doses by various
ia.e.e.du. kna.e.edu. 1. skna.e.du. 1. kl. skna 1. kl. sk	500 11/K 1 2, CAU, 48.	Kring edin	S. Ego, Ariki	KT SKUS	methods and determin es th frequenc

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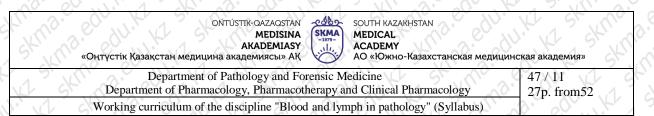
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11.	lethods and criteria fo		E 111.	1	ch, Wa.	60, 71,	1.1	ch. 40
_	klist for practical lesso		, 60 Y/	· (1	2/2, W.), CA	40. K	1 54
No.	Evaluation criteria	Level Great	Fine	C	tiafaatamily	Vo. Vi	Lingotic	sfactory
Prac	tical classes:	Great	Fine	108	atisfactorily	1/1/00	Ulisatis	stactory
1	Written response to the questions of this assignment		21	15	egn'r	KT SKI	000	Signific
2	Oral answer on questions of this task	30	21	SK 15	Wy. Sign	An'y	10 sk	Kugi e
3	Completing test tasks	12	8	6	2 SKULL	3. ed	0	1 SKM
4	Solving situational problems	28	20	14	123	TING.	0	17.KT 21
1.1	General:	100	70	50	Mr. Kr	55/10	0	90. KJ
Che	cklist of situational t	asks	1 2, M	2	90. K	5	Mo	60 411.
N. 0.	Demonstrates origina task. Fully utilizes the	eoretical kno	wledge nece	essary 1	to solve a	Points "Excel	llent" 90-	100%
SKI	given task. Demonstration biochemical parametric biofluid analysis data conclusions on a siture understanding of the	ers when into a. Demonstra ational task,	erpreting the tes the abilit while demon	propo y to dr nstratir	sed aw logical ig a deep	Tugied	og egni	M.KT &
20.	Possesses the necessary task. Allows for mind Is able to draw correctask.	ary knowledg or inaccuraci	ge to solve the es when disc	nis situ cussing	ational this case.	"Good	" 70-89%	US SEGIT
300	difficulty interpreting	ninor inaccuracies when discussing a given task, has interpreting analyses proposed in a situational task. onclusions with difficulty. "Satisfactory" 50-69%				50-69%		
4	Allows fundamental Passive, unable to dr	errors in disc	cussing a situ		l task.	"Unsa	tisfactory	7" 0-49%
_	cklist for assessing a	AND MID	offile vo.	COL	The same of the sa	, My	3 . 0	Jo. Kr
$\wedge \vee$	ALV SI AV	rade	1 3KI	0. °	Evaluation			go, K
Carrying out practical work Greatcorresponds to scores of 95-100 without any errors and it; took an active part in the complete of the practical without any errors and it;		and sub	mitted a rep					

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3.6911.KT 3.61	OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОНТОКТІКТЯ ОТОРГАНІЯ ОТОРГАНІА ОТОРГАН	нская академия»
War eggmir	Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology	47 / 11 25p. from52
1, Way 560. 41	Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)	9. 60, 1/4 2, 4,
St. Skillous St.	research results;	CK1. 49. 600 11 Kg. 1

s equitivity skylus	ugiegrafiyi Ki zi zkugi	research results; - made a well-reasoned conclusion demonstrating original thinking
mara edu.kl skina edu.kl	Finecorresponds to scores of 85-89 80-84 75-79 70-74	 completed the practical work on submitted a report on it, making min mistakes; took an active part in the discuss research results
JU.KI S. SKILLIA. B. SKILLA. B. S	Satisfactorilycorresponds to scores of 65-69 60-64 50-54	 completed the practical work on submitted a report on it, having mad fundamental mistakes; was not active during the discuss needed the teacher's help
ma.es.eqn., 1/1	Does not meet the scores satisfactorily 25-49	- failed to submit a report on pract on time, made serious mistakes, and complete all the practical work requ
XI skuras equi	Unsatisfactory corresponds to scores 0-24	program;did not take part in the discussionresults of the work
Case study	Greatcorresponds to scores of 95-100 90-94	 solved cases within a certain time gave full answers to all questions
	Finecorresponds to scores of 85-89 80-84 75-79 70-74	 solved cases within a certain time gave complete answers to all que made minor mistakes when solvi
	Satisfactorilycorresponds to scores of 65-69 60-64 50-54	 solved cases within a certain time gave incomplete answers to ques made fundamental mistakes whe cases
sa squiki s skur	Unsatisfactory corresponds to scores 25-49 Does not meet the scores satisfactorily 0-24	- solved cases incorrectly or did no them at all; - made gross mistakes when solving
Interpretation of clinical laboratory test results	Greatcorresponds to scores of 95-100 90-94	- correctly, without any errors, into the results of clinical laboratory tests - made a reasonable conclusion
Sqn'ky ski, ky skius. Sqn's	Finecorresponds to scores of 85-89 80-84 75-79	- correctly interpreted the results of laboratory tests, making minor error - made a reasonable conclusion
Variety Anit Kar	70-74 Satisfactorilycorresponds to scores of 65-69	- correctly interpreted the results of laboratory studies, having made fund

1 skulgiegiegniki	KT 2 skulging egnik KT 2 skulg	usier egniky	7 skulgi segirik
«Оңтү	MEDISINA SKMA ME AKADEMIASY JI, AC.	JTH KAZAKHSTAN DICAL ADEMY «Южно-Казахстанская медици	інская академия»
19: 690 17: 1 3 3KU U	Department of Pathology and Forensic Medic Department of Pharmacology, Pharmacotherapy and C		47 / 11 26p. from52
Wor	rking curriculum of the discipline "Blood and lymph	in pathology" (Syllabus)	9. 600 14 2.
1, Kuo 3: 62 171. 15 34	60-64	errors;	1,49. 60,40 KM
1 3 4 4 4 6 GM 14 1	50-54		ounded conclusion
15 38, 143. 3. 50 911. K	Does not meet the scores satisfactorily		terpreted the results of ratory tests, making gros

na.edu.kl sking	60-64 50-54 Does not meet the scores satisfactorily 25-49	errors; - made an unfounded conclusion - incorrectly interpreted the resu clinical and laboratory tests, making errors;	
skira. eo du e	Does not meet the scores satisfactorily 0-24	- did not draw a conclusion	
Discussion of the topic	Greatcorresponds to scores of 95-100 90-94	 did not make any mistakes during discussion; was oriented in the theories, conc directions of the discipline and gave critical assessment; used scientific achievements of o disciplines 	
sking a squikl sking squikl du.kl sking sking squi du.kl sking sking squi a squikl sking sking squi a squikl sking sking squi	Finecorresponds to scores of 85-89 80-84 75-79 70-74	 during the discussion he did not regross mistakes, but he did make inaction and minor errors, which he corrected managed to systematize the programaterial with the help of the teacher 	
	Satisfactorilycorresponds to scores of 65-69 60-64 50-54	 made fundamental mistakes durir discussion; limited himself to only the educat literature specified by the teacher; experienced great difficulty in systematizing the material 	
Ky skula ednyk	Does not meet the scores satisfactorily 25-49 Unsatisfactory	made gross mistakes during the discussion;did not study the basic literature of topic of the lesson;	
The beautiful succession.	corresponds to scores 0-24	- failed to use the scientific terminon the discipline	
The test is assessed using a multi-point	90-94	- correctly completed 90-100% of test ta	
knowledge assessment system.	Fine corresponds to scores of 85-89 80-84 75-79 70-74	- correctly completed 70-89% of test tas	
	Satisfactorily corresponds to scores of 65-69 60-64 50-54	- correctly completed 50-69% of test tas	
Ja. eu. du. K. Ski	Unsatisfactory corresponds to scores 25-49 Unsatisfactory	- completed less than 50% of test tasks of	



		opaedeutics of internal diseases''
Form of control	Grade	Evaluation criteria
Implementation of practical skills	Greatcorresponds to grade A (4.0; 95-100%); A- (3.67; 90-94%)	- The student is well-versed in questioning and examining patients. Correctly and accurately selects questions when collecting anamnesis, accurately analyzes primary and secondary complaints, and is well-versed in the collected anamnesis of life and disease. - Conduct physical examination accurately: - general examination (examination of the skin and subcutaneous fat, visible mucous membrane, measurement of respiratory rate, heart rate, blood pressure); - palpation (determination of resistance, pain, vocal fremitus, localization, amplitude, area, strength, pulsation, consistency, mobility, diameters, peristalsis zones of pain, rigidity), - Percussion (determination of comparative, topograp boundaries of the lungs, area, excursion; determination of absolute and relative boundaries of the heart, configuration, diameter and vascular bundle; determination of the boundaries of the liver, spleen as stomach, percussion symptom); - auscultation (listening to vesicular and bronchial breathing, wheezing, crepitations, pleural friction nois in the lungs; listening to normal and pathological heartones and murmurs, diastolic and systolic murmur) Substantiates and makes a tentative syndromic diagnosis Used additional literature when preparing for the lesson. Systematizes the material on the topic. Communicates effectively in medical practice, objectively conveys relevant information, knows and uses the norms of ethics and deontology when performing
KY Z SKUG EG	Fine corresponds to B+ scores (3.33; 85-89%) B (3.0; 80-84%)	skill; - The student is well oriented when questioning and examining patients. Correctly selects questions when collecting anamnesis, accurately analyzes the main an secondary complaints, is well oriented in the collected
a squirk s	B- (2.67; 75-79%) C+ (2.33; 70-74%)	anamnesis of life and disease. -It is good to conduct a physical examination: - general examination (examination of the skin and subcutaneous fat, visible mucous membrane,

KT SKURSIS	egn, Kr. 22 skurg es egn, Kr. 28 skurg es egn, Kr.	1 skulgi en egnirikt
greatify a sk	ONTÚSTIK-OAZAQSTAN MEDISINA AKADEMIASY «Онтүстік Қазақстан медицина академиясы» АҚ ОНТҮСТІК Қазақстан медицина академиясы» АҚ	инская академия»
War egg/nik	Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology	47 / 11 28p. from52
Killo Sign Gill	Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)	49. 60, Mit 2, 34
2 skuly 36	measurement of respiratory rat	e, heart rate, blood

Thus. 5 60 Mr. 11 347.0	3. 60, Mit 1 3. 9	d and lymph in pathology" (Syllabus)	to haart rate blood
SK SKULS SKU	kna. ed. edu. kl. kl. kl. kl. kl. kl. kl. kl. kl. kl	measurement of respiratory rate pressure); - palpation (determination of refremitus, localization, amplitude pulsation, consistency, mobility zones of pain, rigidity), - Percussion (determination of boundaries of the lungs, area, of absolute and relative bound configuration, diameter and variety determination of the boundaries stomach, percussion symptom - auscultation (listening to vestionation), wheezing, crepitation in the lungs; listening to normationes and murmurs, diastolic and Makes a presumptive syndrom	esistance, pain, vocal de, area, strength, y, diameters, peristalsis, comparative, topograph excursion; determination aries of the heart, ascular bundle; es of the liver, spleen and); icular and bronchial ons, pleural friction noise al and pathological hearmed systolic murmur).
3. 80 Mig. 1 3. 8ky, 43. 6g	Mik 1 2 ckurs	without substantiating the data	1. Op. 1/4 2, 12,
kna eduki ka ka kna eduki kna	Satisfactorilycorrespon ds to points C (2.0; 65- 69%) C- (1.67; 60-64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	- The student is able to nar questioning and examining par and secondary complaints with understanding of the collected illness There are errors in the phy-general examination (examin subcutaneous fat, visible muco measurement of respiratory rar pressure); - palpation (determination of r fremitus, localization, amplitur pulsation, consistency, mobility zones of pain, rigidity), - Percussion (determination of boundaries of the lungs, area, of absolute and relative bound configuration, diameter and variet determination of the boundaries stomach, tingling symptom); - auscultation (listening to vest breathing, wheezing, crepitation in the lungs; listening to normationes and murmurs, diastolic and syndromes and syndromes. Mas syndrome-based diagnosis with data	tients, analyzes primary in errors, and has poor anamnesis of life and resical examination: nation of the skin and ous membrane, te, heart rate, blood esistance, pain, vocal de, area, strength, ry, diameters, peristalsis, comparative, topograph excursion; determination aries of the heart, ascular bundle; es of the liver, spleen and constitution in the licular and bronchial ons, pleural friction noise al and pathological heart and systolic murmur). Inship between the main takes a presumptive

OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОМОТОТІКТІК ОДАГАДОВ ОТ ОТТІКТІК ОДАГАДОВ ОТТІКТІК ОТТІКТІК ОДАГАДОВ ОТТІКТІК ОТТІТТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІКТІК ОТТІТТІК ОТТІКТІК ОТТІТТІК ОТТІКТІК ОТТІТТІК ОТТІТТІТЬ ОТТІТТІК ОТТІТТІК ОТТІТТІК ОТТІТТІК ОТТІТТІТЬ ОТТІТТІТЬ ОТТІТ	инская академия»
Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology	47 / 11 29p. from52
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Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology	47 / 11 30p. from52
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S SKILLUS.	"Fine" 70-89%	ectsdata from objective physical examination (palpation, auscultation, percussion), incorrect interprets data from laboratory and instrument studies.
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is squike equit	1.K1 Skus eqn. vs. eqn. k1. k1. k1. k1. k1. k1. k1. k1. k1. k1	and compares the relationship between the main symptoms and syndromes.
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us egnin	K 3 SKUS SGN IN K	The student analyzes the main and secondary complaints with errors and has poor understanding of the collected anamnesis of life and illness.
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SKI SKUS. SKUS.	"Unsatisfactory" 0-49%	student has no idea about the main and second complaints and is not familiar with the collect anamnesis of life and illness.
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Score in points By % Evaluation	e (0-49%) (65-54%)		Good (70-89%)	Excellent (90-100%		
Structure of the article	1. Does not name the structural components of a scientific article	1. Does not follow the order of the structure of a scientific article when enumeration, skips components	1. Lists the structural components of a scientific article, but violates the order of the structure	1. Maintains the order of the structure of a scientific article listing: - Name - Authors - Publishing house - Summary - General part (introduction, materials and methods, Results and discussions) - Conclusions - Bibliography		
Analysis contentsscientif ic article	1. Does not understand the relevance of the	1. Understan ds the relevance problems	1. Suggests relevance problems	On one's ownsubstantiates and argues		

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AKADEMIASY
«Оңтүстік Қазақстан медицина академиясы» АҚ

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Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology

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Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

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Department of Pathology and Forensic Medicine
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Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

Electronic resources	Propaedeutics of internal diseases
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1.KT 2KWg. 9.60 gli	6) Internal non-infectious diseases with clinical radiological assessment KSU named after A. Baitursynov, 2011. – 94 p. http://rmebrk.kz/book/1024356
ugiedniki ki skugier	7) Ajay K. Singh. Joseph Loscalzo. The Brigham Intensive Review of Internal Medicine Question and Answer Companion:Oxford: Oxford University Press. 2014 // eBook Collection EBSCO
Tekus Godniki	8) Thomas Ciesielski .Washington Manual General Internal Medicine Consult: Third edition. Philadelphia: Wolters Kluwer Health. 2017 // eBook Collection EBSCO
Electronic textbooks	Propaedeutics of internal diseases
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in Kr sking edu	3) Propaedeutics of internal diseases: Textbook. / T.S. Ryabova, E.S. Ryss, V.Ya. Plotkin et al St. Petersburg: SpetsLit, 2015 414 p. http://rmebrk.kz/book/1174389

4) Internal diseases in the work of a general practitioner: Study guide. / K.Zh. Sadykova, Sh.U. Skenderova, S.K. Sattiev. - Turkestan: Turan, 2017. - 96 p.http://rmebrk.kz/book/1167635

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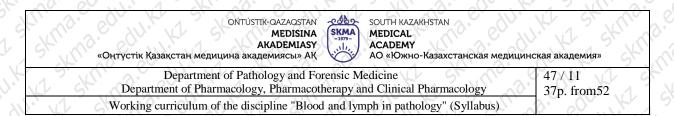
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5) Propaedeutics of Internal Diseases: Textbook. – 6th ed.
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p.https://elib.kz/ru/search/read_book/676/

- 6) Propaedeutics of Internal Diseases: Textbook. 6th ed., II volumerevised and enlarged (Textbook for students of medical universities). – Almaty: Evero, 2020. – 212 p.https://elib.kz/ru/search/read_book/682
- 7) Propaedeutics of Internal Diseases: Textbook. 6th ed., III volume revised and supplemented. (Textbook. For students of medical universities). - Almaty: Evero, 2020. - 208 p.https://elib.kz/ru/search/read_book/684/
- 8) Nursultanova S.D., Bakirova R.E., Mamashalieva S.B., Bekov E.K., Madieva L.S. Zhurek tamyr zhuyesinin aurular bar naukastardy tekseru ədisi zhəne tekhnikasy. Oku-ədistemelik kural.- Almaty, "Evero" baspasy. -2020.https://elib.kz/ru/search/read_book/705/
- 9) Ishki afza aurular propaedeutics. Okulyk Aitmbet B.11 -Almaty "Evero" 2018, -568 bet.https://elib.kz/ru/search/read_book/3086/
- 10) Stryuk, Raisa Ivanovna. Internale diseases: in 3 parts: Part 1 textbook / R. I. Stryuk, I. V. Maev; [First. Moscow State Medical University named after I. M. Sechenov]. - Almaty: Evero, 2016. - URL:
- A. Sking and K. Sk http://elib.kz/ru/search/read_book/2766/.
 - 11) Stryuk, Raisa Ivanovna. Internale diseases: in 3 parts: Part 2 textbook / R. I. Stryuk, I. V. Maev - Almaty: Evero, 2016. -URL:https://elib.kz/ru/search/read_book/2767/
 - 12) Stryuk, Raisa Ivanovna. Internale diseases: in 3 parts: Part 3 textbook / R. I. Stryuk, I. V. Maev. - Almaty: Evero, 2016. URL: https://elib.kz/ru/search/read_book/2768/
 - 13) Pimenov, Yu. S. Internal Medicine. Volume 1: study guide / Yu. S. Pimenov, I. V. Roganova, L. N. Finko. - Moscow: REAVIZ, 2008. - 146 p. / Digital educational resource IPR SMART:https://www.iprbookshop.ru/10141.html
 - 14) Roganova, I. V. Internal Medicine. Volume 2: study guide / I. V. Roganova, V. F. Roganov, I. O. Prokhorenko. - Moscow: REAVIZ, 2008. - 132 p. / Digital educational resource IPR SMART:https://www.iprbookshop.ru/10142.html
 - 15) Clinical tasks in internal medicine: a tutorial / R. I. Saifutdinov, L. K. Kozlova, O. V. Bugrova [et al.]. - Orenburg:



Orenburg State Medical Academy, 2012. - 152 p. -URL:https://www.iprbookshop.ru/21817.html

Pathological physiology:

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1. Pathological physiology. Tazhiribelik sabaktarga nuskau [Electronic resource]: oku kuraly = Pathophysiology. Guide to practical exercises: textbook / Kaz. tiline aud. S. B. Zhutikova; ed. V. V. Novitsky. - Electron. text data (63.4MB). - M.: GEOTAR - Media, 2014. - 768 bet. email wholesale disk (CD-ROM)

2. Adam physiology. Dynamics syzbalar atlases [Electronic resource]: okulyk / K. V. Sudakov [reinforced concrete]; Kazak tel. room M.K. Kankozha. - Electron. text data (105MB). - M.: GEOTAR - Media, 2017. - 464b.

3. Pathological physiology. Doszhanova M.P., – Almaty: Evero, 2015 Central Bank Aknurpress /

https://www.aknurpress.kz/reader/web/2476

4. Kravtsov V.I. et al. Test tasks on pathological physiology with elements of profiling / Edited by professor V.I. Kravtsov. Almaty: Evero, 2020. - 116 p.

https://www.elib.kz/ru/search/read book/472/

5. Kravtsov V.I. et al. Test tasks on pathological physiology with elements of profiling / Edited by professor V.I. Kravtsov. Almaty: Evero, 2020. - 128 p.

https://www.elib.kz/ru/search/read book/471/

6. Kravtsov V.I. et al. Test tasks on pathological physiology with elements of profiling / Edited by professor V.I. Kravtsov. Almaty: Evero, 2020. - 104 p.

https://www.elib.kz/ru/search/read_book/473/

7. Pathological physiology: volume 2. Okulyk/Kazakh tiline audargan, zhauapt editor Zh.B. Akhmetov., – Almaty: Evero, 2020 - 200 https://www.elib.kz/ru/search/read_book/91/

8. Pathological physiology: 1 volume. Okulyk/Kazak tiline audargan, zhauapt editor Zh.B.Akhmetov., - Almaty: Evero, 2020 - 240 p. https://www.elib.kz/ru/search/read_book/88/

9. Pathological Physiology: Textbook for Medical Universities. Volume 2. Almaty: Evero, 2020 – 216

https://www.elib.kz/ru/search/read book/98/

10. Ado A.D., Ado M.L., Pytskogo V.I., Poryadina G.V., Vladimirova Yu.L. Pathological physiology: textbook for medical universities. Volume 1. Almaty: Evero, 2020 - 248 p. https://www.elib.kz/ru/search/read_book/96/

11. Ado A.D., Ado M.L., Pytskogo V.I., Poryadina G.V., Vladimirova Y.L. Pathological Physiology: Textbook for Medical Universities. Volume 3. Almaty: Evero, 2020 https://www.elib.kz/ru/search/read book/100/

12. Urazalin. Tapsyrmalary test, Profiling of elements of pathological physiology, Boyynsha mamandyktar: 051301zhalpy medicine, 051302-dentistry. III-bolim. Hemostasis

OŃTÚSTIR-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОМОТОБІТІК-QAZAQSTAN MEDICAL ACADEMY ACADEMY AO «Южно-Казахстанская медици	нская академия»
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depends on the pathophysiology. Almaty, "Evero" basspasy, 2020, 142 pages. https://www.elib.kz/ru/search/read_book/896/ 13. Urazalina. Tapsyrmalara test. Profiling of elemental pathology physiology, Boyynsha mamandyktar: 051301-zhalpy medicine, 051302-dentistry.II-bolim. Tiptik pathological protsester, Birtektes derttik urdister. Almaty, "Evero" basspasy, 2020, 184 b. https://www.elib.kz/ru/search/read_book/895/ 14. Urazalina. Tapsyrmalary test, Profiling of elementsterimen birge pathology physiology, Boyynsha mamandyktar: 051301zhalpy medicine, 051302-dentistry.IV-bolim. Askorytu, bauyr, buyrek, endocrindik zhyyke zhuyelerinin pathophysiology. Almaty, "Evero" basspasy, 2020, 204 b. https://www.elib.kz/ru/search/read_book/897/ 15. Ado A.D., Ado M.L., Pytsky V.I., Poryadina G.V., Vladimirova Yu.L. Pathological physiology: 3 volume. Okulyk/Kazakh tiline audargan, zhauapt editor Zh.B. Akhmetov. – Almaty: Evero, 2020 – 344 https://www.elib.kz/ru/search/read_book/94/ 16. Kalypty zhane pathology zhagdayyndagy balalar men zhasospirimder gynecologysy. Raisova A.T., Baykoshkarova S.B., - Almaty: Evero, 2020 Central Bank Aknurpress https://www.aknurpress.kz/reader/web/2583 17. Norms and pathologies of pediatric and adolescent gynecology. Raisova A.T., - Almaty: Evero, 2020 CB Aknurpress https://www.aknurpress.kz/reader/web/2584 18. Anatomy, physiology, pathology of the organs of hearing, speech, vision. Akhmetova N.Sh., - Almaty: Evero, 2019 CB Aknurpress / https://www.aknurpress.kz/reader/web/1016 19. Mamandandyrylgan pathology physiology courses. Zhautikova S.B., Omirbaeva E.K., - Almaty: Evero, 2019 Central Bank Aknurpress / https://www.aknurpress.kz/reader/web/1449 20. Kogan, B. M. Anatomy, physiology and pathology of sensory systems: a tutorial / B. M. Kogan, K. V. Mashilov. -Moscow: Aspect Press, 2011. - 384 p. - ISBN 978-5-7567-0560-7. - Text: electronic // Digital educational resource IPR SMART: [site]. - URL: https://www.iprbookshop.ru/8873.html 21. Gerasimova, O. V. Pathology of the main life support systems. Volume 1: study guide / O. V. Gerasimova. - Samara: REAVIZ, 2009. - 143 p. - Text: electronic // Digital educational resource IPR SMART: [site]. - URL: https://www.iprbookshop.ru/10144.html 22. Pathological physiology: theoretical course = Pathological physiology: theoretical course: study guide / E. V. Kulikov, Yu. A. Vatnikov, V. I. Parshina, V. M. Byakhova. - Moscow: Peoples' Friendship University of Russia, 2018. - 92 p. - ISBN 978-5-209-08472-3. - Text: electronic // Digital educational resource IPR SMART : [site]. -

URL:https://www.iprbookshop.ru/91045.html

Pathological anatomy:

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- 1. Pathological Anatomy [Electronic resource]: atlas: textbook for students of medical universities and postgraduate education / edited by O. V. Zairatyants. - Electronic text data (240 MB). -M.: GEOTAR - Media, 2012. - 960 p. electronic optical disc (CD-ROM). - (Electronic textbook).
- 2. Mitrofanenko, V. P. Pathological negizderi [Electronic resource]: honey. uchishcheler men koljeldergearn. okulyk = Fundamentals of pathology: / - Electron. text data (154MB). M.: GEOTAR - Media, 2015. - 568b. With.
- 3. Pathological anatomy [Electronic resource]: national leadership / editor-in-chief M. A. Paltseva,. - M.: GEOTAR -Media, 2013. - 1264 p.
- 4. Tusupbekova, M. M. Morphological atlas of general pathological processes [Electronic resource]: textbook / M. M. Tusupbekova. - Electronic text data. (1.03 Gb). - Almaty: Epigraph, 2016. -
- 5. Strukov, A. I. Pathological anatomy [Electronic resource]: textbook - M.: GEOTAR - Media, 2013
- Kismanova G.N.. Pathology problems. Okulyk..- Almaty: Evero, 2020. – 92 bet Epigraph
- 7. https://www.elib.kz/ru/search/read_book/861/Nesep-zhynys afzalarynyn anatomy. Akhmad N.S., - Almaty: Evero, 2020 Central Bank Aknurpress
- 8. https://www.aknurpress.kz/reader/web/2357 Pathological anatomy Akhmetov Zh.B., 2021.

https://aknurpress.kz/reader/web/2423 Zhumabekov, Kh.S., Derbyshev, K.Yu. Zhanuarlardyn pathological anatomy http://rmebrk.kz/book/15133 Akhmetov Zh. B. Pathological anatomy - Okulyk. Volume 1 Almaty: Evero, 2020. - 360 bet. https://elib.kz/ru/search/read_book/144/ Akhmetov Zh. B. Pathological anatomy - Okulyk. Volume 2 Almaty: Evero, 2020. - 344 bet. https://elib.kz/ru/search/read_book/141/ Akhmetova N.Sh. Anatomy, physiology, pathology of the organs of hearing, speech.

- 9. of vision: a textbook (3rd edition). Karaganda: Publishing House
- 10. «AKNUR», 2021. 192 p.

https://aknurpress.kz/reader/web/1016 Pomorgaylo, E. G. Diagnostics of general pathological processes through the eyes of a 3rd year student. Part 1. General pathological anatomy: a tutorial / E. G. Pomorgaylo, M. V. Markelova; edited by E. V. Lopanova, A. V. Kononov. - Saratov: IPR Media, 2018. - 77 p. -ISBN 978-5-4486-0328-0, 978-5-4486-0329-7. - Text: electronic // Digital educational resource IPR SMART: [site]. URL: https://www.iprbookshop.ru/74392.html Chernobay, G. N. Pathological anatomy of the orofacial region, head and neck: a tutorial / G. N. Chernobay. — Kemerovo: Kemerovo State Medical Academy, 2011. — 122 p. — Text: electronic // Digital educational resource IPR SMART: [site]. — URL: https://www.iprbookshop.ru/6074.html Demko, P. S. Guide to

The 2, "We " or 40. Mr 26." W	TIK-QAZAQSTAN MEDISINA AKADEMIASY JI, JI, JI, ACADEMY AO «Южно-Казахстанская медиц	цинская академия»
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6 M. M. Br. Wo. 6	11. https://www.aknurpress.kz/reader/web/1452Tusipbekova
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J. K. K. K. L. S. L. S. L. S. K. L. S. L.	"Evero" basspasy, 2020188 b Epigraph 12. https://www.elib.kz/ru/search/read_book/462/Dukenbaeva
, vs. 60, 11 , 17 , c/11,	B.A. Zhalpy pathological anatomical problems: "Kanainalim
14, Vs. 600, 114, 1 2, 4	buzylystary." - Oku kuraly. Almaty: Evero, 2020. – 120 b
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1 2 th, 3. 30, 14	https://www.elib.kz/ru/search/read_book/4197/Kismanova G.N.
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16 M. M. & W.	2020 - 224 bet Epigraph
8 47. 15 ch. 49.	https://www.elib.kz/ru/search/read_book/815/Karakushikova
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. Ws. 602"1" 1 3 The	premature infants: clinical and immunological diagnosis,
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	Newbook, 2021 400. p.

OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	ская академия»
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1 3 76 39 30 1/6 1 3 76 39 30 1/6
2) Vasilenko, V. Kh. PRopedeutics of internal diseases. T. 2.: Textbook / V. Kh. Vasilenko, V. V. Vasilenko; Almaty: Newbook, 2021 212. p.
3) Vasilenko, V. Kh. PRopedeutics of internal diseases. T. 3.: Textbook / V. Kh. Vasilenko, V. V. Vasilenko; Almaty: Newbook, 2021 208. p.
4) Mukhin, N.A.Ishki auralarpropaedeutics: okulyk M.: GEOTAR - Media, 2015
Akhmetov, K. Zh. Zh. Akhmetov Almaty: New book, 2022 266 p.
5) Vasilenko, V. Kh.Ishki aurular propaedeutics. T. 1.: okulyk / mem. tilge aud. K. Askambay Almaty: Evero, 2015 336 b. With
6) Vasilenko, V. Kh.Ishki aurular propaedeutics. T. 2: okulyk / mem. tilge aud. K. Askambay Almaty: Evero, 2015 176 b. With
7) Aitbembet, B. N.Ishkiarza aurularynyn propedeutics: okulyk Almaty: Evero, 2014 568 bet
8) Makolkin, V.I.Ishki aurular: okulyk M.: GEOTAR - Media, 2014 976 bet
Grebenev, A. L. Propaedeutics of Internal Diseases: textbook / A. L. Grebenev 5th ed., revised and enlarged Almaty: Evero, 2014 520 p.
9) "Tynys alu zhuyesi"modules: integration = Module "Respiratory system": integrated textbook / S. K. Zhaugasheva [film] M.: "Litterra", 2014 272 editions.
10) "Zhurek-kan tamyrlar zhuyesi" modules: integrationlangan okulyk = Module "Cardiovascular system": integrated textbook / S. B. Zhaugasheva [zh. b.]; zhauapt ed. S. B. Zhutikova, S. D. Nursultanova M.: "Litterra", 2014 344 bet
11) "As korytuzhuyesi"modules: integrationlanganokulyk = Module "Digestive system": integrated textbook / S.K.
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14) "Endocrindic zhuye"modules: integrationlangan okulyk = Module "Endocrine system": integration textbook / S. K. Zhaugasheva [f. b.]; zhauapt ed. S. B. Zhutikova, S. D.

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16) "Zhuykezhuyesi" modules: integrationlanganokulyk =
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Zhaugasheva [f. b.]; zhauapt ed. S. B. Zhutikova, S. D.
Nursultanova M.: "Litterra", 2014 264 bet. With. : ill.
17) Vasilenko, VK Propaedeutics of internal diseases. 1-volume:
textbook / - Almaty: "Evero", 2017 364 p.
18) Vasilenko, VK Propaedeutics of internal diseases. 2-volum:
textbook/ Almaty: "Evero", 2017 364 p.
19) Vasilenko, VK Propaedeutics of internal diseases. 3-volume:
textbook/ Almaty: "Evero", 2017 188 p
20) Ivashkin, VTInternal diseases propedeutics: textbook / VT

2016. - 176 p.
21) AitbembetB. N. Ishki arza aurularyn propedeutics: okulyk / B. N. Aitbembet. - Almaty: ESPI, 2023

Ivashkin, AV Okhlobystin. -; The book is recommended by the Educational and Methodological association on Medical and Pharmaceutical Education of Russia. - M.: GEOTAR-Media,

22) Diagnosis of diseasesinternal organs. Formulation, classification: a tutorial / edited by V. A. Akhmedov. - M.: GEOTAR - Media, 2016. - 256

Propaedeutics of internal diseases Additional:

- 1) Omarov, T.R.Emergency conditions in the clinic of internal diseases: a tutorial / T. R. Omarov, V. A. Omarova. Karaganda: AKNUR, 2019. 518 p.
- 2) Diagnosis of diseases internal organs. Formulation, classification: a tutorial / edited by V. A. Akhmedov. M.: GEOTAR Media, 2016. 256

Mukhin, N. A.Selected lectures on internal diseases: lecture / N. A. Mukhin. - 2nd ed. - M.: GEOTAR - Media, 2017. - 328 p.

- 3) Ishki aurular boyinshaobjectivetendirilgen κγramdastyrylgan klinikalyk emtikhan: oku-adistemelik kural = Objective structured clinical examination in internal medicine: educational methodological manual / M. Ospanov atyndagy BKMMU; Kuras. K. Zh. Akhmetov [reinforced concrete]. M.: "Litterra", 2016. 368 b.
- 4) Syrkatnama: oku-adistemelik kural / G. M. Yesenzhanova [Zh. b.]; KR DS ZhƏD Minister of League. 2-bass tolyk. zhene өңd. Karaganda: Residential complex "Aknur", 2015. 80 s

Akhmetov K.Ishki aurular propaedeutics pəniniң klinikalyk dəristeri;oku kuraly.-Evero, 2014

OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОМЖНО-Казахстанская меді	ицинская академия»
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- 5) Akhmetov K. Zh.Ishki aurular propaedeutics pəniniң klinikalyk dəristeri: oku kuraly / k. Zh. Akhmetov. - Almaty: New book, 2022. - 266 p.
- 6) Diagnosis of internal diseases by syndromes: training manual / EK Bekmurzaeva. - Almaty: Epigraph, 2022. - 128 s.
- 7) Seydakhmetova A. A.Ishki aurular meteorology and factors of taueldiligi: monograph / A. A. Seidakhmetova. - Shymkent, 2025. - 108 b. - Matin.

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- 1. Pathophysiology. 2 tomdyk. 1 t.: okulyk / kazakhtil. room B. A. Zhetpisbaev; ed. V. V. Novitsky. - M.: GEOTAR - Media, 2017. - 640 bet.
- 2. Pathophysiology. Eki tomdyk. 2 volumes: okulyk / kazakhtil. room S. B. Zhutikova; ed. V. V. Novitsky. - M.: GEOTAR Media, 2018. - 464 b. + el. optical disk (CD-ROM).
- 3. Nurmuhambetuly, A. Clinical pathophysiology. I volume: Okulyk Pathophysiology-II on the clinic of medicine and medicine. - 2nd bass. - Almaty: Evero, 2016. - 180b. With.
- 4. Nurmuhambetuly, A. Clinical pathophysiology. 2 -t. Pathophysiology - 2 zhane onyn klinikalyk medicinadagy manyzdy məselelerine nuskama: okulyk. - 2nd bass. - Almaty: Evero, 2016. - 252 bet.
- 5. Nurmuhambetuly, A. Clinical pathophysiology. 3 volumes. Pathophysiology - II on the clinic of medicine, manyzdy maselelerine nuskam: okulyk. - 2nd bass. - Almaty: Evero, 2016.
- 6. Nurmuhambetuly, A. Pathophysiology. Volume 1: okulyk / Ond., tolykt. 3-bass - Almaty: Evero, 2015. - 182 bet
- 7. Nurmuhambetuly, A. Pathophysiology. Volume 2: okulyk / Ond., tolykt. 4-bass - Almaty: Evero, 2015. - 214 bet
- 8. Nurmuhambetuly, A. Pathophysiology. Volume 3: okulyk / Ə Nurmukhambetuly. - Ond., tolykt. 4- bass - Almaty: Evero, 2015. - 216 bet
- 9. Nurmuhambetuly, A. Pathophysiology. Volume 4: okulyk / Ond., tolykt. 4-bass - Almaty: Evero, 2015. - 154 bet
- 10.Pathophysiology: okulyk. 2 tomdyk. 1 volume / Kazakh tel. room B. A. Zhetpisbaev; ed. V. V. Novitsky. - 4-bass.ond.tolyk. - M.: GEOTAR - Media, 2017. - 640
- 11.Pathophysiology: okulyk. 2 tomdyk. Volume 2 / Kazakh tel. room S. B. Zhutikova; ed. V. V. Novitsky. - 4-bass.ond.tolyk. -M.: GEOTAR - Media, 2018. - 464 b. + el. wholesale disk (CD-

ONTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОНТОСТІК ҚАЗАҚСТАН МЕДИЦИНА АКАДЕМИЯСЫ АСАДЕМУ АО «Южно-Казахстанская медицинская академия»				
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Working curriculum of the discipline "Blood and lymph in pathology" (Sy	yllabus)

27. Kharissova, NM Physiology of the digestive system: teaching textbook / NM Kharissova. - Almaty: Evero, 2016. - 428 p. Additional:

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- 1. Pathological physiology. Also: pathophysiology. Guide to practical classes: textbook / V. V. Novitsky [f. b.]; ed. Bask. V. V. Novitsky, O. I. Urazova; Kaz. tiline aud. S. B. Zhutikova. -M.: GEOTAR - Media, 2014. - 768 bet.s.
- 2. Urazalina, N. M. Tapsyrmalary test. II-bolim. Birtektesdertikurdister: - Almaty: Evero, 2014. - 184 bet.
- 3. Zhautikova, S. B. Mamandandyrylgan pathology physiology courses: oku-adistemelik kuraly / S. B. Zhautikova, E. K. Omirbaeva; KR densaulyk saktau ministerligi; KMMU. -Karaganda: Residential complex "Aknur", 2013. - 268 bet.
- 4. Zhautikova, S. B. Pathological physiology of the situational situation: ocu-adistemelikkural. - Karaganda: Residential complex "AkNur 2013"
- 5. Pathophysiology. Tasks and test assignments: a teaching aid edited by P. F. Litvitsky; Ministry of Education and Science of the Russian Federation. -; Rec. State Educational Institution of Higher Professional Education "MMA named after I. M. Sechenov". - Moscow: GEOTAR-Media, 2013. - 384 p.: ill.
- 6. Rose, Alan G. Atlas of pathology. Macro- and microscopic changes in organs: atlas: trans. from English. edited by E. A. Kogan / Alan G. Rose; ed. E. A. Kogan. - M.: GEOTAR-Media, 2010. - 576 p.
- 7. Klatt, Edward C Robbins and Cotran Atlas of Pathology: textbook / Edward C. Klatt. - 3rd ed. - Philadelphia: Elsevier Saunders, 2014. - 587 p. - ISBN 978-1-4557-4876-1: 33050.00 Tg. Translation of the title: Robbins and Cotran Atlas of Pathology

Pathological anatomy:

Main:

- 1. Akhmetov, Zh. B. Pathological anatomy. T.1: okulyk / Zh.
- B. Akhmetov. Almaty: New book, 2022. 360 bet.
- 2. Akhmetov, Zh. B. Pathological anatomy. T.2: okulyk / Zh.
- B. Akhmetov. Almaty: New book, 2022. 344 bet.
- 3. Robbins derttan negizderi (zhalp bolim). 1 : okulyk / ed. V. Kumar [w/w]. - / Kazakh tiline audargan K. Karymbaev; To the white ministers of the League. - Almaty: Evero, 2014. - 480 bet
- 4. Manekenova K.B. Pathology process men aurular morphology korinisterin salystyrmala sipattamasy. Oku kuraly. "Sky Systems" 2019
- 5. Akhmetov, Zh. B. Pathological anatomy: okulyk. M.: "Litterra", 2016. - 792 bet p.
- 6. Strukov, A. I. Pathological anatomy: okulyk /. M.: GEOTAR - Media, 2015. - 984 bet.

ONTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОНТУСТІК ҚАЗАҚСТАН МЕДИЦИНА АКАДЕМИЯ	нская академия»
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Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)	y. 30, 14.

- 7. Pathology. Eki tomdyk. Volume 1: okulyk / Ed. bass. M. A. Paltsev, Kaz. tel. room S. A. Apbasova. - M.: GEOTAR -Media, 2015. - 536 bet p.: ill.
- 8. Akhmetov, Zh. B. Pathological anatomy: okulyk / Zh. B. Akhmetov. -; KP densaulyksaktauministerligi. - Almaty: Evero, 2014. - 700 bet.
- 9. Pathological anatomy. T.1. General pathology: textbook: in 2 volumes / ed. V. S. Paukova. - 2nd ed. add. - M.: GEOTAR -Media, 2020. - 720 p.
- 10. Pathological anatomy. T.2. Particular pathology: textbook: in 2 volumes / ed. V. S. Paukova. - 2nd ed. add. - M.: GEOTAR -Media, 2020. - 528 p.
- 11. Strukov, A. I. Pathological anatomy: textbook. 6th ed., revised and enlarged. - M.: GEOTAR - Media, 2021. - 880 p. 12. Manekenova K.B. Comparative characteristics of morphological manifestations of pathological processes and diseases. Study guide. "Sky Systems" 2019
- 13. Esirkepov, M. M. Pathological anatomy of the genome: a textbook and visual aid - Karaganda: IP "Izd-vo AKNUR", 2013 14. Kumar, V. Robbins Basic Pathology: textbook / V. Kumar, AK Abbas, JC Aster. - 10th ed. - [S. 1.]: Elsevier, 2017. - 930 p. 15. Kumar, Vinay Robbins and Cotran. Pathologic Basis of Disease: south Asia edition. Vol. 2 / V. Kumar, Abyl K. Abbas, Jon C. Aster. - 9nd ed. - [S. 1.]: Reed Elsevier India private limmed, 2015. - 1391 p. .
- 16. Kumar, Vinay Robbins and Cotran. Pathologic Basis of Disease: south Asia edition. Vol. 1 / V. Kumar, Abyl K. Abbas, Jon C. Aster. - 9th ed. - [S. 1.]: Reed Elsevier India private limmed, 2015. - 1391 p.

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- 1. Pathological anatomy atlas: = Pathological anatomy: atlas: textbook. manual - M.: GEOTAR - Media, 2014.
- 2. Kismanova, G. N. Zhalpy pathology protsester nuskauy: oku kuraly / G. N. Kismanova. - Almaty: Evero, 2010. - 122 bet.
- 3. Povzun, S. A. Pathological anatomy in questions and answers: textbook / S. A. Povzun. - 3rd ed., revised and enlarged; Rec. GBOU HPE "First Moscow State Medical University named after I. M. Sechenov". - M.: GEOTAR Media, 2016. - 176 p. -
- 4. Pathological Anatomy. Guide to Practical Classes: Textbook / Ministry of Education and Science of the Russian Federation. Rec. GBOU HPE "First Moscow State Medical University named after I.M. Sechenov"; Ed. by O. V. Zairatyants, L. B. Tarasova. - 2nd ed., corrected and enlarged. - M.: GEOTAR -Media, 2015. - 696
- 5. Pathological Anatomy. Guide to Practical Classes [Text]: study guide / ed. O. V. Zairatyants. - 2nd ed., corrected and supplemented. - M.: GEOTAR - Media, 2021. - 696
- 6. Tusupbekova, M. M. Clinical pathomorphology: monograph / M. M. Tusupbekova. - Almaty: Evero, 2016. - 184 p.

OŃTÚSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ ОНТУСТІК ҚАЗАҚСТАН МЕДИЦИНА АКАДЕМИЯСЫ» АҚ	ская медицинская академия»
Department of Pathology and Forensic Medicine	47/11
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Working curriculum of the discipline "Blood and lymph in pathology" (Syll	labus)

- 7. Tusupbekova, M. M. Morphological atlas of general pathological processes: a tutorial. - Almaty: Evero, 2016. - 164
- 8. Moiseev, V. S. Acute heart failure: a guide / V. S. Moiseev, J. D. Kobalava. - M.: OOO "Medical Information Agency", 2012. - 328 p.
- 9. Rose, Alan G. Atlas of pathology. Macro- and microscopic changes in organs [Text]: atlas: trans. from English. edited by E. A. Kogan / Alan G. Rose; ed. E. A. Kogan. - M.: GEOTAR -Media, 2010. - 576 p.
- 10. Sinelnikov, A. Ya. Atlas of human microscopic pathology: textbook. -; Rec. Textbook-methodical society on medical and pharmaceutical education of higher education institutions of Russia. - M.: New wave: Publisher Umerenkov, 2007. - 320 p. 11. Klatt, Edward C. Robbins and Cotran Atlas of Pathology: textbook / Edward C. Klatt. - 3rd ed. - Philadelphia: Elsevier Saunders, 2014. - 587 p.

Klatt, Edward C. Robbins and Cotran Atlas of Pathology: textbook / Edward C. Klatt. - 3rd ed. - Philadelphia: Elsevier Saunders, 2014. - 587 p.

Pharmacology

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Stikeeva, R. K. Pharmacology-1: okukuraly / R. K. Stikeeva. -Almaty: Evero, 2016. - 148 bet.s.

Kharkevich, D. A. Fundamentals of Pharmacology: textbook. -M.: GEOTAR - Media, 2015. - 720 p.

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

Kharkevich, D. A. Pharmacology: okulyk. - M.: GEOTAR Media, 2014. - 784 bet.

Rakhimov, K. D. Pharmacology: okukuraly. - Almaty: Zhaniya-Poligraf Housing Society, 2014. - 554 bet.s.

Ormanov, N. Zh. Pharmacology. 1-kitap: okulyk / N. Zh.

Ormanov, L. N. Ormanova. - Almaty: Evero, 2013. - 656 bet.s.

Ormanov, N. Zh. Pharmacology. 2-kitap: okulyk / N. Zh.

Ormanov, L. N. Ormanova. - Almaty: Evero, 2013. - 512 bet.s. Pharmacology: textbook / ed. R. N. Alyautdina. - M.: GEOTAR - Media, 2013. - 832 + el.

Katzung, Bertram G.Basic and Clinical Pharmacology: textbook / Katzung Bertram G. - 14 nd ed. - [S. 1.]: McGraw-Hill education, 2018. - 1250 p.

Goodman end Gilman's, A. The Pharmacological Basis of Therapeutics: textbook / Goodman & Gilman's A.; editor L.L. Brunton. - 13th ed. - New York: McGraw-Hill Education, 2018.

Whalen Karen Pharmacology: lippincott Illustrated reviews / Karen Whalen; ed.: Garinda Feild, Rajan Radhakrishnan. - 7th ed. - [sl]: Wolters Kluwer, 2019. - 593 p.

Additional:

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Mashkovsky M.D. Medicines. 16th edition. revised, supplemented and corrected. M. Novaya Volna. 2017. – 1216 p.

Daneker ulpalar aurularynyn pharmacotherapy: okulyk / Z. A. Kerimbaeva [zh.b.]. - Almaty: Evero, 2016. - 184 b. With.

Microbes karsy darilerdin pharmacology: oku kuraly / T. A. Muminov [reinforced concrete]; Kaz. tel. room N. M. Maldybaeva. - Almaty: Liter Print. Kazakhstan, 2016.-552 bet. With.

Pharmacology of antimicrobial agents: a tutorial / T. A. Muminov. - Almaty: Liter Print. Kazakhstan, 2016.

Pharmacology: a guide to laboratory classes: a textbook / edited by D. A. Kharkevich. - 6th edition, corrected and supplemented; Rec. educational and methodological association for medical and pharmaceutical education of universities in Russia. - M .: GEOTAR - Media, 2014. - 512 p.

Rakhimov, K. D. Phytopharmacology. Pharmacology -Thesaurus. : oku kuraly = Phytopharmacology. Pharmacology Thesaurus: textbook. allowance. - Almaty: Zhaniya-Poligraf Housing Society, 2015. - 528

Pharmacology of non-medical formulations: okulyk / M. Z. Shaidarov [f/.b.]. - Astana: Aknur, 2014. - 398 bet. With.

Fundamentals of Pharmacology with a Recipe: Textbook / M. Z. Shaidarov [et al.]. - Astana: Aknur, 2014. - 406 p.

Zhaugasheva, S.K. Pharmacological glossary = Pharmacological glossary / сөздік = PHARMACOLOGIC GLOSSARY: dictionary. - 2nd ed. - Almaty: Evero, 2013. - 132 p.

Askorytu agzalary aurularyn pharmacotherapy: oku kuraly/ N.Zh. Ormanov, G.Zh. Sadyrkhanova. 2013.

Tynys alu zholdary ағzalary aurularynyn pharmacotherapy.: оқу құraly/ N.Zh. Ormanov. 2013.

Ormanov, N. Zh. Zhalpy recipe. Zhalpy pharmacology: okukuraly.- Shymkent: "RISO", 2013. - 76 bet.s. Ormanov, N. Zh. Pharmacological reference book of drugs (classification, nomenclature, mechanism of action and

SOUTH KAZAKHSTAN ONTUSTIK-QAZAQSTAN SKMA **MEDISINA** MEDICAL. **AKADEMIASY** ACADEMY АО «Южно-Казахстанская медицинская академия» «Оңтүстік Қазақстан медицина академиясы» АҚ Department of Pathology and Forensic Medicine 47 / 11 Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology 49p. from 52 Working curriculum of the discipline "Blood and lymph in pathology" (Syllabus)

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indications for use): a teaching aid. - Almaty: Evero, 2013. - 138 Ormanov, N. Zh. Zhalpy recipe. Zhalpy pharmacology: okukuraly / ҚР densaulyκ saktau ministerligi; OKMMA. Almaty: Evero, 2012. - 102 bet.s. Ormanov, N. Zh. Pharmacotherapy. 1-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. – Shymkent: SKGFA, 2012. Ormanov, N. Zh. Pharmacotherapy. II-kitap: okulyk / N. Zh. Ormanov, L. N. Ormanova. - Shymkent: OKMFA, 2012. Electronic resources Askorytu agzalary aurularynyn pharmacotherapy. Electronic resource]: Okulik/Kerimbaeva Z.A., Ormanov N.Zh., Dzhakipbekova Z.K., Ormanov T.N. Shymkent, 2018 Kharkevitch, DA Pharmacology: [Electronic resource]textbook formedical students / DA Kharkevitch. - Electronic text data. (83.9 MB). - M.: GEOTAR - Media, 2017. Pharmacology: okukuraly / ed. bass. G. M. Pichkhadze = Pharmacology: [Electronic resource] textbook / edited by G. M. Pichkhadze. - Electronic text data. (43.0 Mb). - M.: "Litterra", 2016. Clinical and pharmacological approaches to perioperative antithrombotic therapy. Dyusembayeva N.K. 2016https://aknurpress.kz/reader/web/1560 Lecture course on pharmacology for students of the dental faculty. Stikeeva R.K., Koranova T.S., 2014https://aknurpress.kz/reader/web/1384 Aisina, R.A., Oryntaeva, M.D. Pharmacology with toxicology for the formulation section: Guidelines. - Kostanay: KSU named after. A. Baitursynova, 2012. http://rmebrk.kz/book/1024531 Kalieva Sh.S. Clinics of pharmacology and pharmacotherapy. Volume 2 – Okulyk / Sh.S.Kalieva, N.A. Simokhin, B.E. Tonkabaeva. - Almaty: "Evero" basspasy, 2020.https://www.elib.kz/ru/search/read_book/2799/ Ormanov N.Zh., Syrmanova N.R., Ormanova L.N.Zhalpy recipe. Zhalpy pharmacology-Almaty: Evero, 2020.https://elib.kz/ru/search/read_book/743/ Stikeeva R.K. Pharmacology - 1 - textbook. - R.K.Stikeeva.-Almaty: Evero, 2020.https://elib.kz/ru/search/read_book/2742/ Stikeeva R.K.Pharmacology-I.- oku kuraly.- Stikeeva R.K. -Almaty Evero. - 2020. https://elib.kz/ru/search/read_book/2741/ Ormanov N.Zh., Ormanova L.N.Pharmacology-1. Almaty. "Evero" ZhS. 2020.https://elib.kz/ru/search/read_book/735/ Ormanov N.Zh., Ormanova L.N. Pharmacology-2. "Evero" ZhShS. Almaty, 2020. https://elib.kz/ru/search/read_book/736/

Pharmacology: oku kuraly / B. D. Aitzhanov, N. A.

Zamanbekov, A. M. Otenov [etc.]; edited by B. D. Aitzhanov.

Almaty: Nur-Print, 2014. - 495 p. -:https://www.iprbookshop.ru/67173.

Malevannaya, V. N. General pharmacology: a textbook / V. N. Malevannaya. - 2nd ed. - Saratov: Scientific book, 2019. - 159 p.: https://www.iprbookshop.ru/81075.

Shilova, N. V. Antibacterial drugs: a teaching aid / N. V. Shilova, A. Yu. Savchenko, N. S. Dubovik. - Moscow: National Research Nuclear University MEPhI, 2023. - 32 p. https://www.iprbookshop.ru/141169.

Fitiley, S. B. General pharmacology (fundamentals of clinical pharmacokinetics and pharmacodynamics): a textbook / S. B. Fitilev, I. I. Shkrebneva, V. K. Lepakhina. - Moscow: Peoples' Friendship University of Russia, 2008. - 112 p. -:https://www.iprbookshop.ru/11578.

Vallance, Patrick; Smart, Trevor G. The future of pharmacology. British Journal of Pharmacology, 2006, //eBook Collection EBSCO

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Requirements for students, attendance, behavior, grading policies, penalties, incentives, etc.

- observe medical ethics and deontology;
- no smoking in the academy;
- maintain cleanliness in the department;
- do not damage furniture in clasSIW oms;
- treat textbooks with care;
- maintain the appearance of a medical university student;
- maintain personal hygienestudents (short and clean nails, clean and ironed medical uniform, spec change of shoes)
- observe safety regulations;
- during quarantine, wear medical masks and comply with sanitary and epidemiological regulation
- do not miss classes without a good reason;
- classes missed for a valid reason must be made up in a timely manner, but only with permission from the dean's office and at a time determined by the teacher;
- don't be late for classes;
- have the necessary documentation in class: syllabus, methodological instructions for classes, lectures, notebook and textbook;
- prepare conscientiously for classes and lectures;
- be active during classes;
- do not engage in other activities during classes: do not talk, do not smoke, do not chew gum, do eat food, do not use the phone, do not listen to music, do not read newspapers and magazines not prepare for classes in another subject;
- maintain silence and order during breaks;
- implement SIW in a timely manner.

Penalties for failure to complete sections of the work:

• If you miss lectures without a valid reason, your midterm assessment grade will be reduced

- 1 point for each missed lecture;
- If you miss a SIW without a valid reason, your midterm assessment score will be reduced by 2 points for each missed lesson;
- In case of a single violation of the discipline policy, the student is given a warning;
- In case of systematic violation of the discipline policy, information about the student's behavior is transferred to the faculty dean's office.

Criteria for non-admission to final control:

A student who has received an unsatisfactory grade for one of the types of assessments (RC 1, RC 2, average assessment of the current assessment) is not admitted to the final assessment for the discipline.

13.	Academic policy based on moral and ethical values of JSC "UKMA"
16-	Regulations and Rules of SKMA. Academic policy.
	P.4. Code of honor of the student
1/1	P.10. Organization of the educational process
5.0	P.12. Grading Policy
FL.	The final grade is calculated automatically based on the average grade of the current control, the average grade of the midterm control and the grade of the final control.
70,.	Final score (100%) = RD (60%) + IC (40%)
.eo	RD (60%) = RKsr (20%) + TKsr (40%)
2	PKcp = (PK1 + PK2): 2
7.0	Final score (100%) = RKsr x $0.2 + TKsr x 0.4 + IR x 0.4$
3/-	RD – Admission Rating
1	IC – final control assessment
1, 1	PKcp – average grade of the midterm control taking into account penalty points
	TKsr – average assessment of current control taking into account SIW
S. S.	PK1 – boundary control 1
2	PK2 – boundary control 2

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