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Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Department of Propaedeutics of Internal Diseases

Working curriculum of the discipline "Respiratory system in pathology" (Syllabus

Syllabus

Working curriculum of the discipline "Respiratory system in pathology" Educational program 6B10115 "Medicine"

1, 1.	General information about the discipline	1 3	, Ku, S. 90 K 2, Mu Si 91
1.1	Course Code: RSP 3305	1.6	Academic year: 2025-2026
1.2	Course name: Respiratory system in pathology	1.7	Course: 3
1.3	Prerequisites: General pathology, respiratory system in normal	1.8	Semester: 5
1.4	Postrequisites: Basics of internal diseases	1.9	Number of credits (ECTS): 5
1.5	Cycle: SD	1.10	Component: IC
2	Description of the discipline	10.	20 /L 1 3 /L/1 3 20 /L

2. Description of the discipline

The formation of fundamental knowledge on the basics of semiotics, syndromology, physical examination methods, etiology, pathogenesis, morphogenesis of the respiratory 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 patient-centered approach.

3.	Summative Assessment Form	n. Kr	Sp. Wo Sp. Mr. Sp. Wo. Gr
3.1	Testing	3.5	Coursework
3.2	Writing	3.6	Essay
3.3	Oral State of the Control of the Con	3.7	Project
3.4	OSPE/OSKE or practical skills assessment	3.8	Other (specify)
N	Objectives of the discipline	7.0.	00 11 1 1 10 00 1 10 1

4. Objectives of the discipline

LO discipline

Formation of a holistic understanding of the pathology of the respiratory system, based on symptoms and syndromes, as well as on the methods of their study. Ensuring the achievement of the final learning outcomes based on the joint study of the pathology of the respiratory system on the propaedeutics of internal diseases with fundamental disciplines. Formation of clinical thinking skills based on knowledge of the pathophysiological mechanisms of the course, pathoanatomical changes, complications and outcome of diseases, physical and clinical laboratory methods of examination and the choice of drugs in adults with the main clinical syndromes in the pathology of the respiratory system.

System	
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 respiratory system pathology.
LO2	Proficient in methods of conducting questioning and physical examination of 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 respiratory system pathology.
LO3	Uses clinical thinking in collecting information when interpreting the results of morphological, laboratory and instrumental methods of examining patients with respiratory system pathology, formulates a syndromic diagnosis, and fills out a medical history.
LO4	Communicates information, ideas, problems and solutions to patients and their family members, and is proficient in ethical and deontological practices when communicating with patients, their relatives and colleagues.
LO5	Determines 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 respiratory system pathology, evaluates the results of experimental studies.
LO6	Selects medications in accordance with the diagnosis, writes prescriptions, determines the dosage regimen, recognizes adverse effects of medications, predicts the development of side effects and interactions of medications used in respiratory pathology.
LO7	Analyzes professional literature when working with scientific articles, completes a project, demonstrates a desire for continuous improvement of his/her activities.

Learning outcomes of the EP, which are associated with the discipline LO

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70 70	LO 6 LO7		. Aı	nalyz	es th	ne eff	fectiv	eness	of	diagı	nosis	and	trea	tment	results, app	olying th
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5K11	Lecture 1	affecting respiratory function	conduction disorder syndrome alpha and beta adrenergic stimulants, M- anticholinergics, phosphodiesterase inhibitors,		eqn'k	lecture	feedback
Day 1		Topic Title Medicines	Summary Drugs used in bronchial	LO of module	Numb e er of hours	Forms/ methods/ learning technologies Overview	Forms/ evaluation methods Quick poll,
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4		ıra Zhaksylykovna	Assistant	60,	1.1		00@mail.ru
3	Baydullaev Bak	thram Muzaffarovic	h Assistant	7/1/			@mail.ru
2	Sadykova G	ulzhan Saparovna	Medical Sciences, F PhD, Acting Associate			gulzhan217	71@mail.ru
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6	Muyutova Ma	akhsuda Nasyrovna	Master of Medical Scie Lecturer	STU	Jo. 2.6	mahsu_me	d@mail.ru
5	Dustanova Zl	namila Talibbaevna	Senior Lectur	er		jam11.76.7	6@mail.ru
4	Syrmanova Nu	ırgul Rakhmanovna	Master of Medical Scie Lecturer	nces, Se	nior	n_rakchma	n@mail.ru
3		Zaure Sarybaevna	PhD, Acting Associate			korganbaeva	055@mail.ru
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SKMA АКАDEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ

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Pharmacology. Practical lesson 1	Pharmacology as a scientific discipline.	cavity and respiratory failure. Definition of pharmacology, content and main tasks of pharmacology.		3	Discussion of the topic, solving	Checklist for solving a situational
3K, KWG. SGO	Pharmacokineti cs,	Pharmacodynamics of drugs, definition and content. Types	Mg.	Segn	situational problems,	problem, checklist for
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· KT 24 1	10. 60, 411.1	chloramphenicol group, etc. Classification, mechanism and	1	Jr. x	19. 602" 1	17 3 40
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DIA OF A	1 1	Features of use in children.	TOC	64 /51	1 3 X	
Pharmacology. SIWT/SIW 1	Antiseptic and disinfectant	Antiseptic and disinfectant agents. Classification.	LO6 LO7	1/6	Analysis of the content	Checklist conducting ar
1 5" W. V.	6 90. K	24 Mr. Jes 411, KT	St. 1	Vo.	6, 40., KI	St. Wo.
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SKUS SKUS SKUS SKUS SKUS SKUS SKUS SKUS	edu.kl skria edu.kl	agents. Agents affecting efferent innervation. Adrenergic agents. Cholinergic agents.	Mechanism of action. Application. Localization of alpha- and beta-adrenoreceptors. Characteristics of alpha- and beta-adrenoreceptors, their subtypes. Drugs that stimulate adrenergic synapses (adrenergic agonists, sympathomimetics). Drugs that block adrenergic synapses (adrenergic blockers, sympatholytics). M-N-cholinomimetic agents. Anticholinesterase agents. M-cholinomimetic agents. Toxic effects of muscarine, treatment of poisoning. N-cholinomimetic agents. M-anticholinergics. N-anticholinergics. Gangliblockers. Muscle relaxants. Classification, mechanism of action, pharmacological effects, indications for use, contraindications, side effects	Skriger Skrige	ing of the state o	of scientific articles on the topic and demonstration of results	analysis of a scientific article
	deutics of al diseases. re 1	Questioning, general examination of patients With diseases respiratory system. Palpation of the chest. Comparative and topographic percussion of the lungs. Diagnostic value	Questioning, general examination of patients With diseases respiratory system. Palpation of the chest. Comparative and topographic percussion of the lungs. Diagnostic value.	LO2	io i	Overview lecture	Blitz Poll Feedback
intern	deutics of al diseases. cal lesson 1	value. Questioning, main and additional complaints, general examination of the chest at sick	Questioning, main and additional complaints, general examination of the chest at sick with respiratory diseases. Palpation and comparative and topographic percussion of the lungs at	LO2 LO3 LO4	edu.	Discussion of the topic of the lesson, implementation of practical skills	Practical Skills Mastery Checklist

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	ia.eoudu.ki kna.edu.ki kna.edu.ki kna.edu.ki kna.edu.ki edu.ki edu.ki edu.ki kna.edu. kna.edu.ki kn	with respiratory diseases. Palpation of the chest. Percussion of the lungs. at sick with diseases of the respiratory system in norm and pathology. Diagnostic meaning.	sick with diseases of the respiratory system in norm and pathology. Diagnostic meaning.	edu.k 1. kyr 1. kyr 1. kyr 1. kyr	ikh a edu edu a edu a edu a edu a edu a edu a edu a edu a edu a edu a edu a edu a edu a edu a ed edu a ed ed ed ed ed ed ed ed ed ed ed ed ed	SKULSERIESE SKULSE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULSERIESE SKULS	A.edu.kl.kl. Ma.edu.kl. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu. Skrna.edu.
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Propedeutics of internal diseases. SIWT/SIW 1	Palpation of the chest. Comparative and topographic percussion of the lungs. Diagnostic value.	Palpation of the chest. Comparative and topographic percussion of the lungs. Diagnostic value.	LO2 LO3 LO4	1/6	Presentation defense and practical skills implementation	Checklist for Presentation Defense and Acquisition of Practical Skills
1	Pathological physiology. Lecture 1	Impaired pulmonary ventilation and diffusion capacity of the lungs	Impaired ventilation of the lungs. Alveolar hypo- and hyperventilation, causes, consequences. Obstructive and restrictive types of hypoventilation, characteristics. Impaired diffusion of gases through the alveolar-capillary membrane. Clinical significance	LO1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Overview lecture	Quick poll Feedback
6.00	Pathological physiology. Practical lesson 1	Impaired pulmonary ventilation and diffusion capacity of the lungs	Impaired ventilation of the lungs. Alveolar hypo- and hyperventilation, causes, consequences. Obstructive and restrictive types of hypoventilation, characteristics. Impaired diffusion of gases through the alveolar-capillary membrane. Clinical significance	LO3 LO5	1.4 c	Discussion of the topic, case solution	Topic Discussion Checklist, case solution checklist
9.	Pathological physiology. SIWT/SIW 1	Pleural pathology	Hydrothorax, hemothorax, pneumothorax, concept, causes, development mechanisms, consequences. Pleural adhesions, concept, etiology. Clinical significance	LO3 LO5	1/6	Case solution	Case Solution Checklist
3	Pharmacology. Practical lesson 2	Medicines affecting respiratory	Drugs used for bronchial conduction disorder syndrome: alpha- and beta -	LO6	(2)	Discussion of the topic, solving	Checklist for solving a situational

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KIND	Kusisquiyasquiya	function.	adrenergic stimulants, M- anticholinergics, phosphodiesterase inhibitors, glucocorticosteroids, leukotriene receptor antagonists, mast cell	igiedn egnis	40.KJ	situational problems, writing out prescriptions	problem, checklist for writing prescriptions
ing edu.	L SKINAR J.K. K. SKINAR SKIN	Reduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika Skria eduktika	stabilizers. Drugs used for pulmonary tissue consolidation syndrome: antibacterial therapy, antitussives and mucolytics. Medicines used for the syndrome of increased airiness in the lungs. Drugs used in fluid accumulation syndrome, cavity in the lung and respiratory failure. Drugs used in chronic obstructive pulmonary disease, chronic bronchitis, bronchiectasis. Classification, mechanism of action, pharmacological effects, indications for use, contraindications, side effects of drugs.	Salah Salah	ina. skni skni a.edu skna.e	edu ki	S. Skury S. Sku
inse skin	Pharmacology. SIWT/SIW 2	Irritants. Reflex action expectorants. Antiallergic agents.	Features of use in children. Expectorants with reflex action. Bitters, laxatives and choleretic agents with reflex action. Classification, mechanism of action, pharmacological effects, indications for use, contraindications, side effects of drugs. Antiallergic agents (H1-histamine receptor blockers, glucocorticosteroids, leukotriene receptor blockers, mast cell membrane stabilizers). Classification, mechanism of action, pharmacological effects, indications for use, contraindications, side effects of drugs. Features of use in children.	LO6 LO7	ial/2 ia	Analysis of the content of scientific articles on the topic and demonstration of results	Checklist conducting an analysis of a scientific article
KT.	Pathological anatomy.	Pathological anatomy of	Acute and chronic bronchitis. Lobar	LO1	1	Overview lecture	Quick poll Feedback

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Department of Propaedeutics of Internal Diseases

АО «Южно-Казахстанская медицинская академия» Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology

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Working curriculum of the discipline "Respiratory system in pathology" (Syllabus)

a	Pathological	27	significance	3/10	9. 6	Or With S	Sky Was
	anatomy. Practical lesson 1	Pathological anatomy of respiratory diseases	Acute and chronic bronchitis. Lobar pneumonia. Bronchopneumonia. Lung abscess. Morphogenesis. Pathological anatomy. Complications. Causes of death. Clinical significance	LO3 LO5	1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Discussion of the topic, description of macro- and micro- paratov with the conclusion nim, case solution	Discussion Checklist, Checklist descriptions of macro- and
a	Pathological anatomy. SIWT/SIW 1	Pathological anatomy of respiratory diseases. PROJECT DISCUSSION	Interstitial (restrictive) lung diseases. Pneumosclerosis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death. Clinical significance. PROJECT on the topic: "Pathological anatomy of tuberculosis"	LO3 LO5 LO7	1/4 SKI	Discussion of the PROJECT topic case solution	Case solution checklist
i	Propedeutics of internal diseases. Lecture 2	Auscultation of the chest in patients with respiratory diseases in norm and pathology.	Auscultation of the chest in patients with respiratory diseases in norm and pathology.	LO2	J.K.	Overview lecture	Blitz Poll Feedback
i	Propedeutics of internal diseases. Practical lesson 2	Auscultation of the chest in patients with respiratory diseases in norm and pathology. Diagnostic value.	Auscultation of the chest in patients with respiratory diseases in norm and pathology. Vesicular, bronchial breathing. Pathological respiratory sounds: crepitation, pleural friction noise, wheezing. Diagnostic value.	LO2 LO3 LO4	1 Skus	Discussion of the opic of the esson, inplementation f practical skills	Practical Skills Mastery Checklist

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July Skulg 1 Skulg Sko Sk Sk Sk Sk Sk Sk Sk Sk Sk Sk Sk Sk Sk	Propedeutics of internal diseases. SIWT/SIW 2	Auscultation of the chest in patients with respiratory diseases in norm and pathology.	Auscultation of the chest in patients with respiratory diseases in norm and pathology.	LO2 LO3 LO4	du. K	Presentation defense and practical skills implementation	Checklist for Presentation Defense and Acquisition of Practical Skills
6 84772	Pathological anatomy. Lecture 2	Pathological anatomy of respiratory diseases	Bronchial asthma. Emphysema. Bronchiectasis. Pulmonary edema. Hydrothorax. Pleurisy. Lung cancer.	LOI	15	Overview lecture	Quick poll Feedback
ona.e	Pathological anatomy. Practical lesson 2	Pathological anatomy of respiratory diseases	Bronchial asthma. Bronchiectasis. Emphysema. Pulmonary edema. Hydrothorax. Pleurisy. Lung cancer. Congenital malformations of the respiratory system. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death. Clinical significance.	LO3 LO5	kus Krist Kr K Krist Kr K Krist Kr K Kr K Kr K Kr K Kr K Kr K Kr K Kr	Discussion of the topic, description of macro- and micro- paratov with the conclusion nim, case solution	Checklist descriptions of macro- and
ug's in'y	Pathological anatomy. SIWT/SIW 2	Midterm exam #1 PROJECT IMPLEMENTA TION (SIW)	Topics of lectures, practical classes, independent work, covered during 1 - 6 days of training	LO1 LO2 LO3 LO4 LO5 LO6	1/6	Integrated monitoring of educational achievements using control training cases, olving test tasks	Checklist case solutions, testing checklist
57 Kl JU.Kl J.Edi M.R.	Propedeutics of internal diseases. Lecture 3	Leading clinical syndromes of the respiratory system: compaction of lung tissue, bronchial obstruction. Diagnostic value.	Leading clinical syndromes of the respiratory system: compaction of lung tissue, bronchial obstruction. Diagnostic value.	LO20	1 SKUS	Overview lecture	Blitz Poll Feedback
KT SKU	Propedeutics of internal diseases. Practical lesson 3	Leading clinical syndromes (pulmonary tissue compaction,	Leading clinical syndromes (pulmonary tissue compaction, bronchial dysfunction) patency) of the respiratory system. Causes,	LO2 LO3 LO4	edu.	Discussion of the topic of the lesson, implementation f practical skills	Mastery Checklist

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is eg egn y	bronchial dysfunction) patency) of the respiratory system.	risk factors, classification, clinical picture, diagnostics.	Ja.edi.	911.14	M.K. Skulgi	na.edu.k
Propedeutics of internal diseases. SIWT/SIW 3	Laboratory and instrumental research methods for leading clinical syndromes of the respiratory system: compaction of lung tissue, bronchial obstruction. Diagnostic value.	Laboratory and instrumental research methods for leading clinical syndromes respiratory system: compaction of lung tissue, bronchial obstruction. Diagnostic value.	LO2 LO3 LO4	1/6	Presentation Defense	Presentation Protection Checklist
Propedeutics of internal diseases. Practical lesson 4	Leading clinical syndromes	Leading clinical syndromes (increased airiness) respiratory systems. Diagnostic value. Causes, risk factors, classification, clinical picture, diagnostics.	LO2 LO3 LO4	2	Discussion of the topic of the lesson, implementation of practical skills	Mastery Checklist
Propedeutics of internal diseases. SIWT/SIW 4	Laboratory and instrumental research methods for leading clinical syndromes of the respiratory system: (increased airiness) Diagnostic value.	Laboratory and instrumental research methods for leading clinical syndromes respiratory system: (increased airiness) Diagnostic value.	LO2 LO3 LO4	1/3	Protection p presentations	Presentation Protection Checklist
Pathological physiology. Lecture 2	Impaired pulmonary perfusion and respiratory regulation	Pulmonary blood flow disorder. Pulmonary hypertension, forms, causes of development. Dysregulation of respiration, mechanisms, manifestations. Pulmonary edema, types, etiopathogenesis. Clinical significance	LOI	2 5kg	Overview lecture	Quick poll Feedback

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AT SKUS	Pathological physiology. Practical lesson 2	Impaired pulmonary perfusion and respiratory regulation	Pulmonary blood flow disorder. Pulmonary hypertension, forms, causes of development. Dysregulation of respiration, mechanisms, manifestations. Pulmonary edema, types, etiopathogenesis. Clinical significance	LO3 LO5	siegn gregn	Work in small groups, discussion of the topic, case solution	Checklist for working in small groups, topic discussion checklist, case solution checklist
y Skins	Pathological physiology. SIWT/SIW 2	Pathological types of breathing	Periodic breathing, types, etiopathogenesis. Terminal types of breathing, etiopathogenesis. Dissociated breathing, concept. Clinical significance	LO3 LO5	1/3	Case solution	Case Solution Checklist
2 sking skin	Pharmacology. Lecture 2	Drugs affecting the cardiovascular system.		LOI SKUS SKUS SKUS SKUS SKUS SKUS SKUS SKU	1 skus.	Overview lecture	Quick poll Feedback
Skill	Pharmacology. Practical lesson 3	Drugs used for ischemic heart disease. Medicines used for arterial hypertension.	Drugs used for coronary heart disease: antianginal drugs, anticoagulants, antiplatelet agents, fibrinolytics, lipidlowering drugs. Drugs used in acute and chronic heart failure: Cardiac glycosides, ACE inhibitors, diuretics, beta - blockers. Mechanism of action, indications, contraindications and side effects. Classification. Comparative characteristics of drugs and use. Side effects. Features of use in children. Drugs used for arterial		il. 3 il. 2 il. 2 il. 2 il. 3 il. 4 il. 4 il	Discussion of the topic, solving situational problems, writing out prescriptions	Checklist for solving a situational problem, checklist for writing prescriptions

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1 XX	sking.edu.kl	ST SKULUS	hypertension: diuretics, beta - blockers, alpha 1 blockers, direct vasodilators, calcium antagonists, ACE inhibitors, angiotensin receptor antagonists, central alpha-2 adrenergic agonists.	edu.	g.edu yu.kl	SK SKULO. SK ST. SKULO. SK ST. SKULO. SK SKULO. SK SK SKULO. SK SK SK SK SK SK SK SK SK SK SK SK SK S	sedilik maedilik skinaedilik
skus varequi	Pharmacology. SIWT/SIW 3	Drugs used in acute coronary syndrome. Drugs used in ventricular heart rhythm disorders. Prevention of sudden cardiac death.	Drugs used in acute coronary syndrome. Medicines used for heart rhythm disorders (antiarrhythmic drugs). Prevention of sudden cardiac death.	LO6 LO7	11/6 5km 5km	Analysis of the content of scientific articles on the topic and demonstratio n of results	Checklist conducting an analysis of a scientific article
Skus Skus Skus Skus Skus Skus Skus Skus	Propedeutics of internal diseases. Lecture 4	Leading clinical syndromes of respiratory systems: increased airiness, presence of fluid and cavity in the lung. Acute and chronic respiratory failure. Diagnostic value.	Leading clinical syndromes of respiratory systems: increased airiness, presence of fluid and cavity in the lung. Acute and chronic respiratory failure. Diagnostic value.	LO2	skus;	Overview lecture	Blitz Poll Feedback
SKING SKING SU.KI	Propedeutics of internal diseases. Practical lesson 5	Leading clinical syndromes (presence of fluid and cavity in the lung) respiratory systems. Diagnostic value.	Leading clinical syndromes (presence of fluid and cavity in the lung) respiratory systems. Diagnostic value. Causes, risk factors, classification, clinical picture, diagnostics.	LO2 LO3 LO4	A seduced	Discussion of the topic of the lesson, implementation f practical skills	Practical Skills Mastery Checklist
Skill Wai	Propedeutics of internal diseases. SIWT/SIW 5	Laboratory and instrumental research methods for leading clinical syndromes of the respiratory	Laboratory and instrumental research methods for leading clinical syndromes respiratory system: (presence of fluid and cavity in the lung) Diagnostic value.	LO2 LO3 LO4	176		Presentation Protection Checklist

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13,42	Kugiedniki 19. eorginisedniki	system: (the presence of fluid and cavity in the lung) Diagnostic value.	signification of the sking of t	igiegn egni	giedn Grikt	SI SKIND S SUK SKIND S	rugiednik Gegninik
1, ed	Pathological physiology. Practical lesson 3	Insufficiency of external respiration	External respiratory failure, classification, etiopathogenesis, clinical manifestations. Mechanisms of hypoxemia development in respiratory failure. Clinical significance	LO3 LO5	KW3.	Work in small groups, discussion of the topic, case solution	Checklist for working in small groups, topic discussion checklist, case solution checklist
SKY	Pathological physiology. SIWT/SIW 3	Respiratory distress syndrome	Respiratory distress syndrome of newborns and respiratory distress syndrome of adults, concept, etiopathogenesis, manifestations. Clinical significance	LO3 LO5	1/5	Case solution	Case Solution Checklist
12	Propedeutics of internal diseases. Practical lesson 6	Leading clinical syndromes (acute and chronic respiratory failure) of the respiratory system. Diagnostic value.	Leading clinical syndromes (acute and chronic respiratory failure) of the respiratory system. Causes, risk factors, classification, clinical picture, diagnostics.	LO2 LO3 LO4	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Discussion of the lesson topic, implementation f practical skills	Mastery
10, du	Propedeutics of internal diseases. SIWT/SIW 6	Laboratory and instrumental research methods for leading clinical syndromes of the respiratory system: (acute and chronic respiratory failure) Diagnostic value.	Laboratory and instrumental research methods for leading clinical syndromes respiratory system: (acute and chronic respiratory failure) Diagnostic value.	LO2 LO3 LO4	sking 1 sking 1 sking	Presentation Defense	Presentation Protection Checklist
la.	Pathological anatomy. Practical lesson 3	Pathological anatomy of respiratory diseases	Pulmonary tuberculosis. Etiology. Pathogenesis. Morphogenesis. Pathological anatomy. Complications. Causes of death. Clinical significance. Defense of the PROJECT	LO3 LO5 LO7	1.2 1.1.1 1.1.1 1.1.1 1.1.1		Topic Discussion Checklist, Checklist descriptions of macro- and micropreparati

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S. C.	Pathological anatomy. SIWT/SIW 3	Midterm #2		ndent work, covered 7-12 days of training	LO1 LO2 LO3 LO4 LO5 LO6	SKU	Integrated monitoring of educational achievements using control training cases, olving test task	Checklist case solutions testing checklist	
Prepa	aration and implen	nentation of	interim assessm	ent	, CO.	111.10	12 64	15 hours	
9.	Teaching metho	ds and cor	trol forms	, 111. 11 St.	Vg. 0	0,11	K 1 W	100	
9.1	VIII VAV IV	111-11		ctures (quick survey)	, 20.	000	1/4 / 3	K11, 29: 20	
9.2	K 2 SKILLS	ses	prescriptions conclusion, presults. Proje		ing mac	ro- and pretation	micropreparati	ions with a	
9.3	6971111	Krug.	Presentation Project defer	Case study solution, scientific article analysis, Presentation defense and practical skills implementation, discussion of the topic. Project defense					
9.4	case		integrated in	regrated monitoring of educational achievements using control educational ses, testing.					
10	Date I and a	. W. S	cases, testing	/L/ - 01' //\	y. GOI	y //r	12 34	13:00 B)	
10.		 	Th. 19. 0	37.47 34.03	Vg. CO	397/17	X 3 5 KULL	Wais gold	
10.1 No. RO	Name of learni outcomes	assessing tl	ne learning outc	omes of the discipline Satisfactory	Majed!	Good	WAY SHOW	Excellent	
10.1 No.	Criteria for Name of learni	assessing tl ng Un ing I I I d kno of basics synd I not id d d d d d d d d d d d d d d d d d d	ne learning outc	omes of the discipline	sen syndre ca syn sy 2. E pathe morp pathole in the systen for f	Sapir	sic 1. Flue g of basics and sylving ident and s. 2. Fre etiolog and m pathologis of banges inary lows antal	Excellent ently masters the of semiotics and adromology, dependently ifies symptoms d syndromes. ely explains the gy, pathogenesis orphogenesis of ogical changes in genitourinary system	

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Kr.	collecting information when drawing up an examination plan; outlines the scope of basic and additional studies to clarify the syndrome of damage in pathology of the genitourinary system	cus equity skius equity	J.K. 2 SKI Kna. 6 edu. K. 2 SKI kna. 6 na. edu. K. 2 SKI na. edu. K. 2 SKI skina. edu. K. 3 skina. edu. K. 3 skina. edu. K. 3	sorgiikris ediiki kwa ediiki ediiki kwa ediiki ediiki	kusis edilik 1 skusis edilik 1.k1 skusis edilik edilik1 skusis edi edilik1 skusis
RO 3	Uses clinical thinking in collecting information when interpreting the results of morphological, laboratory and instrumental methods of examining patients with pathology of the genitourinary system, formulates a syndromic diagnosis, fills out a medical history	Does not know the main metabolic pathways that affect the function of the genitourinary system. Doesn't understand biochemical processes	Does not fully understand the main metabolic pathways that affect the function of the genitourinary system. Poor understanding of biochemical processes	Explains the main metabolic pathways that affect the function of the genitourinary system. Has a good understanding and knowledge of biochemical processes	Possesses clinical thinking skills, applies knowledge in collecting information when interpreting the results of morphological, laboratory and instrumental methods of examining patients with pathology of the genitourinary system, formulates a syndromic diagnosis, fills out a medical history. Effectively solves situational problems
RO 4	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	Does not know how to apply knowledge of the genitourinary system in a clinical context, has not acquired the skills to collect a clinical history and perform a physical examination of patients with diseases of the genitourinary system to provide first aid, does not able to interpret the results of laboratory and instrumental studies	Does not fully know how to apply knowledge about the genitourinary system in a clinical context, collects clinical anamnesis and physical examination of patients with diseases of the genitourinary system to provide first aid with errors, poorly oriented in interpreting the results of laboratory and instrumental studies	Lists information about the genitourinary system in a clinical context, collects clinical history and physical examination of patients with diseases of the genitourinary system with the provision of first aid, is well versed in interpreting the results of laboratory and instrumental studies	Freely demonstrates knowledge of the genitourinary system in a clinical context, collects clinical anamnesis and physical examination of patients with diseases of the genitourinary system with the provision of first aid, is well versed in interpreting the results of laboratory and instrumental studies
RO 5	Determines pathological processes at the organ and cellular levels, interprets data on the pathophysiology and morphology of diseases taking into account the clinical	1. Is unable to determine pathological processes at the organ and cellular levels, makes gross errors. 2. Cannot interpret data on the etiology, pathophysiology and morphology of diseases taking into	1. Determines pathological processes at the organ and cellular levels, but makes gross errors. 2. Cannot independently interpret data on the etiology, pathophysiology and morphology of	Determines pathological processes at the organ and cellular levels. Interprets data on the etiology, pathophysiology and morphology of diseases, taking into	Independently determines pathological processes at the organ and cellular levels. Independently interprets data on the etiology, pathophysiology and morphology of

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SF	W. 60, 411.	ne practical lesson in pl	10, 17, 17 2, c/LU	10. 60 M. K.	2 Kly VS. Ol
LO7 10.2	Analyzes professional literature when working with scientific articles, carries out a project, demonstrates a desire for continuous improvement of his/her activities Methods and cri	1. Does not have research skills. 2. Does not have a desire for continuous self-education and development teria for evaluation	 Cannot analyze the topics of the classes. Participates in the implementation of the project. Violates deadlines for completing tasks 	1. Analyzes scientific articles on the topics of the lesson. 2. Participates in the implementation of the project. 3. Completes assignments on time	Analyzes scientific articles on the topics of the lesson. 2. Uses international databases. at work Successfully defends the completed project. Demonstrates motivation for independent work, approaches tasks creatively
LO 6	Selects medications in accordance with the diagnosis, writes prescriptions, determines the dosage regimen, recognizes adverse effects of medications, predicts the development of side effects and interactions of medications used in pathology of the genitourinary system	Defines the general pharmacological group of drugs. Writes out a prescription with errors	Selects a pharmacological group of drugs by organs and systems. Writes out a prescription using reference literature/ sources	1. Selects medications for the treatment and prevention of the most common diseases. 2. Writes out a prescription for the specified medication without errors. 3. Calculates the dose of the drug	1. Selects medications from various pharmacological groups in accordance with indications for use, contraindications and side effects 2. Writes out a prescription for medications in the most appropriate dosage form depending on age, gender, and functional characteristics. 3. Calculates doses using various methods and determines the frequency and duration of use of the drug
KA SAN GEORGE STAN SAN SAN SAN SAN SAN SAN SAN SAN SAN S	data of patients, makes conclusions, explains the patterns of development of complications and outcomes of pathology of the genitourinary system, evaluates the results of experimental studies	account the clinical data of patients. 3. Makes erroneous conclusions, has poor orientation and does not explain the patterns of development of complications and outcomes of pathology of the genitourinary system. 4. Is unable to evaluate the results of experimental studies and makes fundamental mistakes. 5. Incapable of solving situational problems	diseases taking into account the clinical data of patients. 3. Makes erroneous conclusions, finds it difficult to independently explain the patterns of development of complications and outcomes of pathology of the genitourinary system. 4. Finds it difficult to evaluate the results of experimental studies and makes fundamental inaccuracies. 5. Solves situational problems, but makes fundamental mistakes	account the clinical data of patients. 3. Draws conclusions, explains the patterns of development of complications and outcomes of pathology of the genitourinary system. 4. Evaluates the results of experimental studies, but allows for minor inaccuracies. 5. Solves situational problems	diseases, taking into account the clinical data of patients. 3. Draws conclusions, explains the patterns of development of complications and outcomes of pathology of the genitourinary system. 4. Evaluates the results of experimental studies. 5. Effectively solves situational problems

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Prescription writing	Excellent Corresponds to ratings: A (4.0; 95-100%); A- (3.67; 90-94%)	Writes out a prescription for medicines in the most appropriate dosage form depending on age, gender, and functional characteristics. Writes out a prescription for the selected medicine without errors. Calculates doses using various methods and determines the frequency and duration of use of the medicine.
edu n'y skus	Good Corresponds to ratings: B+ (3.33; 85-89%) B (3.0; 80-84%) B- (2.67; 75-79%) C+ (2.33; 70-74%)	Writes out a prescription for the selected medication without errors. Calculates the dose of the medicine. Limited to general indications "Internal", "External".
ekusisansis	Satisfactory Corresponds to ratings: C (2.0; 65-69%) C- (1.67; 60-64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	Writes out a prescription using reference literature/sources. Allows corrections to the prescription.
KI SKNO	Unsatisfactory FX (0.5; 25-49%) F (0; 0-24%)	Writes out a prescription with errors.
0,11,13		Checklist for SIWT/SIW
Analysis of a scientific article	Excellent corresponds to points 95-100 90-94	 independently substantiated and argued the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; freely presented the semantic content of the scientific article; argued and substantiated conclusions; had the skill of using literature and justifying the selected list of references in this article
Kus si skur	Good corresponds to points 85-89 80-84 75-79 70-74	 substantiated and argued the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; outlined the semantic content of the scientific article; argued and substantiated conclusions; had the skill of using literature and justifying the selected list of references in this article; when answering, he made minor mistakes and inaccuracies
sedirky sking eg	Satisfactory corresponds to points 65-69 60-64 50-54	 found it difficult to justify and argue the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; had difficulty expressing the semantic content of a scientific article; had difficulty arguing and substantiating conclusions; had the skill of using literature and justifying the selected list of references in this article; when answering, he made fundamental mistakes and inaccuracies
kna.edu. Kna.edu. Kna.edu. Kna.edu.	Unsatisfactory corresponds to points 25-49	 found it difficult to justify and argue the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; had difficulty expressing the semantic content of a scientific article; had difficulty arguing and substantiating conclusions;

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usi equit	.KJ Skyngiegoli.	 failed to demonstrate the skill of using literature and justifying the selected list of literature in this article; made gross mistakes when answering 		
edn'n'h skiusi	Unsatisfactory corresponds to points 0-24	 found it difficult to justify and argue the relevance of the problem; could not explain the purpose of the work, the materials and methods used in the work; was unable to convey the semantic content of a scientific article; was unable to argue and justify the conclusions; failed to demonstrate the skill of using literature and justifying the selected list of literature in this article; made gross mistakes when answering 		
Discussion of the topic	Excellent corresponds to points 95-100 90-94	 did not make any mistakes during the discussion; was oriented in the theories, concepts and directions of the discipline and gave them a critical assessment; used scientific achievements of other disciplines 		
KI SKILUSI	Good corresponds to points 85-89 80-84 75-79 70-74	 during the discussion he did not make any gross mistakes, but he did make inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher 		
kugiegniy	Satisfactory corresponds to points 65-69 60-64 50-54	 made fundamental mistakes during the discussion; limited himself to only the educational literature specified by the teacher; experienced great difficulty in systematizing the material 		
1 Skulging	Unsatisfactory corresponds to points 25-49	 made gross mistakes during the discussion; did not study the basic literature on the topic of the lesson; failed to use the scientific terminology of the discipline 		
5911-KT 3K	Unsatisfactory corresponds to points 0-24	skus is egnik to skus is egnik to skur		

Checklist for midterm assessment

Testing - testing is assessed using a multi-point knowledge assessment system.

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Form of control	Grade	Evaluation criteria
carrying out	3. Kr 22. Kr. 3. C.	The student is well-versed in questioning and examining patient
practical work	90. Kr SE Was	Correctly and accurately selects questions when collecting anamnesi
55,000	5 47. 15 2k W.	accurately analyzes primary and secondary complaints, and is wel
KJ 84, WO	6 40. 11 ch.	versed in the collected anamnesis of life and disease.
J. 12 St. 4	10. 60 "11. " T St.	- Accurately performs a basic physical examination (generated)
111. 11 3/4	Excellent	examination, palpation, percussion, auscultation, blood pressur
600 11 K. 1. 3.	corresponds to points	measurement, determination of pulse characteristics, respiratory rate
· COUNTY	95-100	etc.) in children and adolescents.
3. Ogo. Kr	90-94	- Conducts correct linking of objective physical examination dat
110 Jin 1911. A	50-34	(palpation, auscultation, percussion), correctly interprets laboratory an
Mo So M.	1 2 2k War 60	instrumental examination data.
2/2, War 60, 7	1. 15 ch vs. 6	-Ability to evaluate pathophysiological patterns of research result
St. Vs. 60	111.4.1. 4. 43.	Finds and compares the connection between the main symptoms an
1. 41, 20.	300 1/4 1 2 HU, 03	syndromes.
2 771, 3	290 Kr 2 21 M	- Substantiates and establishes a presumptive syndrome-base

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CO. CO. L.	7 11 2 0 1	3 3 10 2 20 10 20 10 10 20
Skug egn segn	Mr. Kr. Skulgieg	diagnosis. - Used additional literature when preparing for the lesson. - Systematizes the material on the given topic. - Effectively communicates in medical practice, objectively conveys relevant information, knows and uses the norms of ethics and deontology when performing the skill; The student differentiates between primary and secondary complaints
Raisedniki skuasedniki skuased	Good corresponds to points 85-89 80-84 75-79 70-74	well, is well oriented in the collected anamnesis of life and disease. Is well oriented when questioning and examining patients, but allows minor inaccuracies or fundamental errors, corrected by the student himself. - Accurately performs a basic physical examination: general examination, palpation, percussion, auscultation, blood pressure measurement, determination of pulse characteristics, respiratory rate, etc. of children and adolescents. Incapable of correctly interpreting examination results. Does not accurately convey appropriate information; - Links data from objective physical examination (palpation, auscultation, percussion), and incorrectly interprets data from laboratory and instrumental studies. - Has errors in assessing pathophysiological patterns based on research results. Finds and compares the relationship between the main symptoms and syndromes. Establishes a presumptive syndrome-based diagnosis without substantiating the data
Skurgiegening Skurgiegning Skur	Satisfactory corresponds to points 65-69 60-64 50-54	 The student is able to navigate when questioning and examining patients, differentiates between primary and secondary complaints with errors, and is poorly oriented in the collected anamnesis of life and illness. Makes mistakes when conducting a physical examination (palpation, percussion, auscultation and general examination) and demonstrates incomplete knowledge of the material on a given topic, while making fundamental mistakes. Links data from objective physical examination (palpation, auscultation, percussion), correctly interprets data from laboratory and instrumental studies. Has errors in assessing examination results. Is unable to evaluate pathophysiological patterns of research results. Is unable to determine the relationships between the main symptoms and syndromes. Establishes a presumptive syndrome-based diagnosis without substantiating the data. Has a low level of communication skills in medical practice; subjectively conveys appropriate information;
SOUNT SKI	Unsatisfactory corresponds to points 25-49	- The student has no idea about the main and secondary complaints, and is not <u>oriented</u> in the collected anamnesis of life and illness Is unable to carry out practical skills to interpret their results. <u>Cannot</u>
Ana.edu.kl Kna.edu.kl 1 skna.edu.kl 1 skna.edu.kl	Unsatisfactory corresponds to points 0-24	determine the relationship of objective physical examination data (palpation, auscultation, percussion), incorrectly interprets laboratory and instrumental examination data. - Does not know how to evaluate pathophysiological patterns of research results. Does not find and is not able to compare the relationship between the main symptoms and syndromes. Establishes a presumptive syndrome-based diagnosis without substantiating the data - Does not participate in the work of the group. Is not able to

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tugis squire	KT SKULS SKULS SOLD	communicate in medical practice; does not convey proper information, does not know and is not able to use the norms of ethics and deontology when performing the skill. When answering the teacher's questions, gross errors, not using specific terminology in answers.
Case solution	Excellent corresponds to points 95-100 90-94	 solved cases within a certain time; gave full answers to all questions Demonstrates original thinking when analyzing a situational task. Fully utilizes theoretical knowledge necessary to solve a given task. Demonstrates excellent knowledge of reference biochemical parameters when interpreting the proposed biofluid analysis data. Demonstrates the ability to draw logical conclusions on a situational task, while demonstrating a deep understanding of the necessary educational material.
KY 1 SKUS EGUN	Good corresponds to points 85-89 80-84 75-79 70-74	 solved cases within a certain time; gave complete answers to all questions; made minor mistakes when solving cases Possesses the necessary knowledge to solve this situational task. Allows for minor inaccuracies when discussing this case. Is able to draw correct conclusions on the proposed situational task.
a.edu.kz skir	Satisfactory corresponds to points 65-69 60-64 50-54	 solved cases within a certain time; gave incomplete answers to questions; made fundamental mistakes when solving cases Allows minor inaccuracies when discussing a given task, has difficulty interpreting analyses proposed in a situational task. Draws conclusions with difficulty
KY SKUUS EGA	Unsatisfactory corresponds to points 25-49 Unsatisfactory corresponds to points 0-24	- solved cases incorrectly or did not solve them at all; - made gross mistakes when solving cases Allows fundamental errors in discussing a situational task. Passive, unable to draw appropriate conclusions.
Interpretation of clinical laboratory test results	Excellent corresponds to points 95-100 90-94	- correctly, without any errors, interpreted the results of clinical laboratory tests; - made a reasoned conclusion
kugi separasa Kugi separasa Kugi separasa	Good corresponds to points 85-89 80-84 75-79 70-74	- correctly interpreted the results of clinical laboratory tests, making minor errors; - made a reasoned conclusion
sqn'ky sky	Satisfactory corresponds to points 65-69 60-64 50-54	 correctly interpreted the results of clinical laboratory studies, having made fundamental mistakes; made an unfounded conclusion
Kugiegegnik	Unsatisfactory corresponds to points 25-49	- incorrectly interpreted the results of clinical laboratory tests, making gross errors; - did not draw a conclusion
1 Skynova	Unsatisfactory corresponds to points 0-24	13. S. Squir. KT 3 skulgi signing KT 3 skilusi soo

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Discussion of the topic	Excellent corresponds to points 95-100 90-94	 did not make any mistakes during the discussion; was oriented in the theories, concepts and directions of the discipline and gave them a critical assessment; used scientific achievements of other disciplines
egn'y skulg ek	Good corresponds to points 85-89 80-84 75-79 70-74	- during the discussion he did not make any gross mistakes, but he did make inaccuracies and minor errors, which he corrected himself; - managed to systematize the program material with the help of the teacher
de egnisegniki	Satisfactory corresponds to points 65-69 60-64 50-54	 made fundamental mistakes during the discussion; limited himself to only the educational literature specified by the teacher; experienced great difficulty in systematizing the material
V.K. SKINA. B.	Unsatisfactory corresponds to points 25-49	- made gross mistakes during the discussion; - did not study the basic literature on the topic of the lesson; - failed to use the scientific terminology of the discipline
(a.eqn.k)	Unsatisfactory corresponds to points 0-24	Krakus eggnikry skrius eggnikry skur

Checklist for assessing the analysis of scientific articles

Score in points by %	Unsatisfactory (0-49%)	Satisfactory (50-69%)	Good (70-89%)	Excellent (90-100%)
Evaluation criteria	691111X 12 84	Thomas Er egnin.	1 3k Wysien	SANIA SKUSISE
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 the scientific article when listing, skips components	1. Lists the structural components of a scientific article, but violates the order of the structure	1. Observes the order of the structure of a scientific article when listing: - Name - Authors - Publishing house - Summary - General part (introduction, purpose, materials and methods, results and discussion) - Conclusions - Bibliography
ina.edu.kl.kl.skina.edu.kl.skina.edu.k	skirina.e.edu.kl kl. kl. skina.edu.kl du.kl. kl. skina. dedu.kl. kl. skina. dedu.kl. kl. skina. dedu.kl. kl. skina. dedu.kl. kl. skina.	i.ki.ki. Si skriina edu.ki.ki.ki.ki.ki. na.edu.ki.ki.ki. skria.edu.ki.ki. i.skria.edu.ki. i.skria.edu.ki. i.skria.edu.ki.	edu. K. K. Skuses Skuses edu. K. Skuses edu. K.	sking ee edu. Kr. Sking edu. Kr. Ski

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Analysis of the	1. Does not	1. Understands	1. Assumes the	1 Independently
Analysis of the content of a scientific article	understand the relevance of the problem, is not capable of discussing the content of the article	the relevance of the problem 2. Lists the purpose of the work, the materials and methods used in the work 3. Understands the content of a scientific article 4. Lists the conclusions and bibliography in this article	relevance of the problem 2. Explains the purpose of the work, the materials used in the work and methods presents the content of a scientific article 3. Justifies the conclusions 4. Justifies the selected list of references in this article	1. Independently substantiates and argues the relevance of the problem 2. Explains the purpose of the work, the materials and methods used in the work 3. Freely expresses the semantic content of a scientific article 4. Argues and justifies conclusions 5. Has the skill of using literature and justifies the selected list of literature in this article
Answer to additional questions (on the topic of the article for the discipline)	1. Does not answer additional questions on the topic 1. Does not understand the problem at hand when answering additional questions		1. Apply the knowledge gained during the practical lesson on the topic when answering additional questions	1. Applies the knowledge gained during the practica lesson on the topic when answering additional questions, provides a deep and comprehensive argumentation
Checklist for	liscipline of pathologi	Tugi segnini	within a certain time;	Sqn'x X Zxug's
training cases	Excellent corresponds to points 95-100 90-94	- gave full ans Demonstrates Fully utilizes to Demonstrates parameters wh Demonstrates	wers to all questions original thinking when a theoretical knowledge ne excellent knowledge of the interpreting the properties ability to draw logical monstrating a deep under	analyzing a situational task. ecessary to solve a given task. reference biochemical osed biofluid analysis data. al conclusions on a situational restanding of the necessary
Good corresponds to points 85-89 80-84 75-79 70-74 Satisfactory corresponds to points 65-69 60-64 50-54		- solved cases - gave comple - made minor Possesses the Allows for mi	 - solved cases within a certain time; - gave complete answers to all questions; - made minor mistakes when solving cases Possesses the necessary knowledge to solve this situational tas Allows for minor inaccuracies when discussing this case. Is all draw correct conclusions on the proposed situational task. 	
		- solved cases - gave incomp - made fundar Allows minor difficulty inter	within a certain time; lete answers to questions nental mistakes when so inaccuracies when discu	s; lving cases

conclusions with difficulty

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Was sylving sy	Unsatisfactory corresponds to points 25-49 Unsatisfactory corresponds to points 0-24	- solved cases incorrectly or did not solve them at all; - made gross mistakes when solving cases Allows fundamental errors in discussing a situational task. Passive, unable to draw appropriate conclusions.
Interpretation of clinical laboratory test results	Excellent corresponds to points 95-100 90-94	- correctly, without any errors, interpreted the results of clinical laboratory tests; - made a reasoned conclusion
skugiednik gierednik	Good corresponds to points 85-89 80-84 75-79 70-74	- correctly interpreted the results of clinical laboratory tests, making minor errors; - made a reasoned conclusion
M. S. SKULL	Satisfactory corresponds to points 65-69 60-64 50-54	 correctly interpreted the results of clinical laboratory studies, having made fundamental mistakes; made an unfounded conclusion
13.60 dn.K.	Unsatisfactory corresponds to points 25-49	 incorrectly interpreted the results of clinical laboratory tests, making gross errors; did not draw a conclusion
Kulais en	Unsatisfactory corresponds to points 0-24	gniky skikusiser egniky skikusi eg egnik

Checklist for the defense of the completed project on pathological anatomy

Interim assessment of project work Max 100				
No.	Criterion	Description	Points	
1 di	Definition of the problem situation and relevance of	The problems are clearly formulated, scientifically substantiated and integrated. The relevance of the research topic is substantiated	15-20	
US.	the research	The problems are formulated and substantiated. The relevance of the research topic is substantiated.	10-14 Maria edi	
5.5	2kusis egnik	The problems are partially formulated, not substantiated. The relevance of the research topic is partially argued.	SUNIKA SKUR	
3U.K	JU.K. X. SKULUS'ES	The problems are not formulated or formulated superficially. The relevance of the topic is not reflected.	0-4	
2	Setting the project goal and defining the tasks to achieve	The objective is formulated clearly and briefly. The research objectives fully correspond to the objective.	15-20	
SKI	Lit a ed all in it	The goal is formulated, but described in too much detail. The research objectives correspond to the goal.	10-14 skyrna.	

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(Q.	699111K 12 3K	The objective is formulated vaguely. The research objectives partially correspond to the objective.	5-9
KU	us egn. KI	The objective is formulated vaguely or not formulated. The research objectives do not correspond to the objective.	0-4
3	Selection and use of literature	The most relevant publications/research studies posted in full-text databases in authoritative publications are indicated. References are given in the text sequentially with numbers.	15-20
	siriki skris	Publications/studies posted in full-text databases from a limited number of sources are indicated. References in the text are given sequentially with numbers.	10-14 Schride dille
1.11	kt skus egn kus sign. Kt skus egn kus	The publications/researches of the same type, placed in open access on the Internet, are indicated. Full-text databases and authoritative publications are practically not used. Most of the sources are not related to the topic of the project. References in the text are not indicated.	a.edu.kl. skma.e.e
Sqi	SUI'KI SKUG	Full-text databases and authoritative publications are practically not used. Most sources are not related to the topic of the project. References are not given in the text.	0-4
4 (1)	Timely submission of interim results	Systematic publication of project work results on the Trello board. Interim project results are presented on time.	15-20
J.K	KT SKULUS'EGAN	Periodic publication of project work results on the Trello board. Interim project results are presented on time.	10-14
wa.	JU.KI SKING	Periodic publication of project work results on the Trello board. Interim project results are not presented on time	5-9
	a.ed. edu. 12 34	Project work results were not published on the Trello board. Interim project results were not presented on time.	0-4
5	Personal involvement, creative approach to work	According to the interim results, there is a collective creative approach to solving problems, an even distribution of functions and coordinated work.	15-20
isqu	MIN S. SKULUS	According to the interim results, there is an even distribution of functions in the team, well-coordinated work	10-14
WS.	siedu.Kr. Kr. sied	According to the interim results, there is an uneven distribution of functions in the team, coordinated work	5-9 Sking edilin
55	Kula segnink	According to the intermediate results, there is a formal attitude of the participants to the work	0-4 1

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ine	al assessment of the p	Max 100	
1113 1113	Depth of disclosure of the project topic	The topic of the project is fully disclosed, and deep knowledge beyond the program being studied is demonstrated during the defense. Research methods are described, and ways to achieve goals are substantiated. Scientific terms are used, and free handling of them is observed. Modern research methods are used.	15-20
3.0	kus segniki skus kus egniki skus kus egniki skus	The topic of the project is disclosed, and residual knowledge within the framework of the program being studied is demonstrated during the defense. Research methods are described, and ways of achieving the goals are substantiated. Scientific terms are not used enough. The text is presented in a logical sequence.	10-14
47	KI Skina. edu.	The topic of the project is partially disclosed. The description of the project is not complete. Scientific terms are not used. The text is presented chaotically.	5-9
13.e Ju. 12. 12. 12. 12. 12. 12. 12. 12. 12. 12	gislaniky sku	The topic of the project is not disclosed. The description of the project is incomplete. Scientific terms are not used. The text is presented chaotically.	
reliabilit obtained their pra	Objectivity and reliability of the obtained results, their practical significance	The results fully reflect the research, are objective and reliable. Tables, figures and formulas are provided. The applicability of the research results and the target consumers of the results are indicated.	a.edu. XI skna
	a.edu.kl skyna.	The results fully reflect the research, are objective and reliable. Tables, figures and formulas are provided. The applicability of the research results and the target consumers of the results are not indicated.	10-14 edulik
F 5	Mg. Scordniki	The results partially reflect the research, are objective and reliable. There are insufficient tables, figures and formulas.	25-9 S. SKULLING
7.K. K.	1.KI Skug. edu	The results do not reflect the research, are not objective, are not reliable. Tables, figures, formulas are not provided or are provided insufficiently.	0-4
10.	Formulating conclusions	The conclusions are formulated correctly, reasoned and fully reflect the results of the research.	15-20
SKIL	Kusis eqnink	The conclusions are formulated correctly and substantiated, but partially reflect the results of the research.	10-14

Checklists for the discipline pathological anatomy

Checklists for the discipline pathological anatomy

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7.U.	segnifix x 3kg	The conclusions are not fully formulated, are not sufficiently substantiated and partially reflect the results of the research.	5-9
SY	Kus egninis	The conclusions are formulated incorrectly, are not substantiated, and partially reflect or do not reflect the results of the research.	0-41 SK KUB
4	Achieving the project goal and	The project goal has been achieved. All set tasks have been fully resolved.	15-20
SGIN	solving the assigned tasks	The project goal has been achieved overall. The tasks set have not been fully completed.	10-14
(g.	6971-15 3K	The project goal has been partially achieved. Not all tasks have been completed.	5-9
KIN	ase equity	The project goal has not been achieved. The tasks set have been partially or not solved.	0-4
7.K7	Compliance of the project design with the requirements and project protection	The project reflects and discloses all sections. The text is presented in a logical sequence, concisely, competently. Technical requirements for the design of the project are met. The presentation is visual. During the defense, the speaker demonstrates professional awareness and artistry.	15-20
12.	skusisansisaniky Nusisanisaniky Kusisanisaniky	The project reflects and discloses all sections. The text is presented in a logical sequence. There are minor grammatical and stylistic errors. The technical requirements for the design of the project are not fully met. The presentation is not very clear. During the defense, the speaker demonstrates professional awareness and artistry.	
SQI J'K	1 SK SKINA. EU 3.K1 SKINA. EU 3.Edu. K1 SKINA. EV 3. Edu. K1 SKINA. EV 3. Edu. K1 SKINA. EV	The project reflects all sections. The logical sequence of presentation of the material is not always observed. There are grammatical and stylistic errors. Technical requirements for the design of the project are not met. The presentation is not very clear. During the defense, the speaker does not demonstrate deep knowledge of the topic, is constrained.	skug segning s
1.	Skus, skus egriff	The project does not reflect all sections. The logical sequence of presentation of the material is not observed. There are grammatical and stylistic errors. Technical requirements for the design of the project are not met. The presentation is not very clear. During the defense, the speaker does not demonstrate deep knowledge of the topic, has difficulty answering questions, and is constrained.	o-4kl si skrivas aledukk skrivas kria.edukk skrivas kria.edukk skrivas

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Form of control	al lesson Grade	Evaluation criteria
ase study	Excellent corresponds to points 95-100 90-94	- solved cases within a certain time; - gave full answers to all questions Demonstrates original thinking when analyzing a situational task. Fully utilizes the theoretical knowledge necessary to solve a given task. Demonstrates the ability to draw logical conclusions on a situational task, while demonstrating a deep understanding of the necessary educational material.
skugiereinikt	Good corresponds to points 85-89	solved cases within a certain time;gave complete answers to all questions;made minor mistakes when solving cases
id.edu.kl sking.edu.kl kna.edu.kl sking.edu.kl	80-84	 solved cases within a certain time; gave complete answers to all questions; made minor mistakes when solving cases Possesses the necessary knowledge to solve this situational problem. Allows for minor inaccuracies when discussing this case.
J. Skind. Skind. edu J. Kl. Skind. edu J. Kl. Skind. edu J. Skind. edu J	75-79 (1 sking)	 solved cases within a certain time; made minor mistakes when solving cases Possesses the necessary knowledge to solve this situational task. Allows for minor inaccuracies when discussing this case. Is able to draw correct conclusions on the proposed situational task.
ing years of the sking of the s	70-74	- solved cases within a certain time; - made fundamental mistakes when solving cases Possesses the necessary knowledge to solve the given situational task. Allows minor inaccuracies when discussing the given case. Is able to draw minor conclusions on the proposed situational task.

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Description of the macropreparation	"Excellent" corresponds to points 95-100	-correctly named the organ, indicated the dimensions, - described the surface: the condition of the capsule or serous membrane, dullness, shine, overlap; - gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis
in Kr skylogise in Kr skylogise	Unsatisfactory corresponds to points 0-24	 solved cases incorrectly or did not solve them at all; made gross mistakes when solving cases Allows fundamental errors in discussing a situational task. Passive, unable to draw appropriate conclusions.
skulgiegniya egniki	Unsatisfactory corresponds to points 25-49	solved cases incorrectly or did not solve them at all;made gross mistakes when solving cases
skirkus. egedu.k kirkirskus. egedu.k ju.kirskus. egedu.k sedu.kirskus. egedu.k sedu	50-54	 solved cases within a certain time; gave incomplete answers to questions; made fundamental mistakes when solving cases Allows minor inaccuracies when discussing a given task, has difficulty interpreting analyses proposed in a situational task. Draws conclusions with difficulty
Taeduki skina ede eduki skina ede na eduki skina ede	60-64	 solved cases within a certain time; gave incomplete answers to questions; made fundamental mistakes when solving cases Allows for minor inaccuracies when discussing a given task, has difficulty interpreting the analyses proposed in a situational task
kwa eqniky sk	Satisfactorily corresponds to points 65-69	 solved cases within a certain time; gave incomplete answers to questions; made fundamental mistakes when solving cases

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	ed 90-94 skina eduluk kana edu	-correctly named the organ, indicated the dimensions, - described the surface: the condition of the capsule or serous membrane, dullness, shine, overlap; - gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; - made a minor mistake -made the correct pathological conclusion/diagnosis
	"Good" corresponds to points 85-89	- correctly named the organ, indicated the dimensions, described the surface: condition of the capsule or serous membrane, dullness, shine, overlap; - gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; - made the correct pathological conclusion/diagnosis, but during the answer made 1 non-fundamental mistakes and inaccuracies
Sedukk Skrigesedukk Skrigesedukk Skrigesedukk Skrigeseduk Skrigese	80-84	correctly named the organ, indicated the dimensions, described the surface: condition of the capsule or serous membrane, dullness, shine, overlap; - gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis, but during the answer made 2 non-fundamental mistakes and inaccuracies
Skulgiedniki	75-79	correctly named the organ, indicated the dimensions, described the surface: condition of the capsule or serous membrane, dullness, shine, overlap;

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ATTO MATERIAL SALE	3. 0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Sena edu. K. A. Skina edu. K. Skina edu.	kus skus ednyk s Skus kus ednyk Skus kus ednyk Skus ednyk Skus ednyk Skus ednyk Skus ednyk Skus ednyk	- gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis, but during the answer made 3 non-fundamental mistakes and inaccuracies
Sedniky Skusieskus Sedniky Skusiesk	70-74 kma edukuk kana eduku kana	correctly named the organ, indicated the dimensions, described the surface: condition of the capsule or serous membrane, dullness, shine, overlap; - gave a description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis, but during the answer made 4 non-fundamental mistakes and inaccuracies
kna. edu.kk. s skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk. skna. edu.kk.	"Satisfactorily" corresponds to points 65-69	- correctly named the organ, did not indicate the dimensions, did not fully describe the surface: did not describe the condition of the capsule or serous membrane, dullness, shine, overlap; - gave an incomplete description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis, but during the answer made 1- fundamental errors and inaccuracies
Skulus sk		- correctly named the organ, did not indicate the dimensions, did not fully describe the surface: did not describe the condition of the capsule or serous membrane, dullness, shine, overlap; - gave an incomplete description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological

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MEDISINA AKADEMIASY SOUTH KAZAKHSTAN MEDICAL ACADEMY

«Оңтүстік Қазақстан медицина академиясы» АҚ AO «Южно-Казахстанская медицинская академия»

Department of Pathology and Forensic Medicine

Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Department of Propaedeutics of Internal Diseases

SKMA

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Wa's equility a skula's equility	conclusion/diagnosis, but during the answer made 2- fundamental errors and inaccuracies
	correctly named the organ, did not indicate the dimensions, did not fully describe the surface: did not describe the condition of the capsule or serous membrane, dullness, shine, overlap; - gave an incomplete description of the pathological focus: indicated the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; -made the correct pathological conclusion/diagnosis, but during the answer made 3- fundamental errors and inaccuracies
"Unsatisfactory" corresponds to points 25-49	- correctly named the organ, did not indicate the size, did not describe the surface: did not describe the condition of the capsule or serous membrane, dullness, shine, overlap; - gave an incorrect description of the pathological focus: did not indicate the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; - made the correct pathological conclusion/ diagnosis, but during the answer made fundamental mistakes and inaccuracies
"Unsatisfactory" corresponds to points 0-24	 incorrectly named the organ, did not indicate the size, did not describe the surface: did not describe the condition of the capsule or serous membrane, dullness, shine, overlap; gave an incorrect description of the pathological focus: did not indicate the location, size, shape (if it is an ulcer - the condition of the bottom), color, consistency; made an incorrect pathological conclusion/diagnosis, made gross errors during the answer, left some questions unanswered

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АО «Южно-Казахстанская медицинская академия» Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology

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Department of Propaedeutics of Internal Diseases Working curriculum of the discipline "Respiratory system in pathology" (Syllabus)

Description of the nicroslide	"Excellent" corresponds to points 95-100	-correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color;
skirna. edu.	Y S. Skurus egn	-made the correct pathological conclusion/diagnosis
Kus segniki skus segniki segniki skus segniki segniki skus segniki segniki segniki skus segniki seg	90-94	correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color; -made the correct pathological conclusion/diagnosis -made a minor mistake
skring en en skring	"Good" corresponds to points 85-89	-correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 1- non-fundamental errors and inaccuracies
icha.eu edu.i.k. 1. skina.edu.k. 1. skina.edu.k. 1. k. skina.edu.	80-84	-correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 2- non-fundamental errors and inaccuracies
a.edu.kl.kl.s.skirkl.kl.kl.kl.kl.kl.kl.kl.kl.kl.kl.kl.kl.k	75-79	-correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 3- non-fundamental errors and inaccuracies
ina.edu.kl. skriva.e na.edu.kl. skriva.e skriva.edu.kl. skriva.e	70-74	-correctly named the organ or tissue, correctly characterized pathological changes: localization, made a description, named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 4- non-fundamental errors and inaccuracies

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1 Skulgiedniky siedniky skulgiedniky siedniky siedniky siedniky siedniky siedniky siedniky siedniky siedniky s	"Satisfactorily" corresponds to points 65-69	- correctly named an organ or tissue, incorrectly characterized pathological changes: localization, made a description, incorrectly named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 1- fundamental errors and inaccuracies
kusegnika sepika kusegnika sepika kusegnika sepika	60-64	- correctly named an organ or tissue, incorrectly characterized pathological changes: localization, made a description, incorrectly named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 2- fundamental errors and inaccuracies
ina.edu.kl. kl. skina.ed na.edu.kl.kl. skina.ed na.edu.kl.kl. skina.ed	50-54	- correctly named an organ or tissue, incorrectly characterized pathological changes: localization, made a description, incorrectly named the color; -made the correct pathological conclusion/diagnosis, but during the answer made 3- fundamental errors and inaccuracies
J. K. K. Sking edu. J. K. K. Sking edu. J. K. K. Sking edu. Edu. K. Sking edu.	"Unsatisfactory" corresponds to points 25-49	- correctly named an organ or tissue, incorrectly characterized pathological changes: localization, made a description, incorrectly named the color; -made the correct pathological conclusion/diagnosis, made gross errors during the answer
Wase Start as Skula seding skula seding sedi	"Unsatisfactory" corresponds to points 0-24	- incorrectly named an organ or tissue, incorrectly characterized pathological changes: localization, made a description, incorrectly named the color; - made an incorrect pathological conclusion/diagnosis, made gross mistakes during the answer, left some questions unanswered
Discussion of the topic	Excellent corresponds to points 95-100	 did not make any mistakes during the discussion; was oriented in the theories, concepts and directions of the discipline and gave them a critical assessment; used scientific achievements of other disciplines

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)	Working	curriculum	of the di	iscipline "R	espiratory	y system in	patholog	y" (Syllabus) 5	1
	7/10	0	7777.	VI	GF.	200	0,0		1.	1

90-94	 did not make any mistakes during the discussion; was oriented in the theories, concepts and directions of the discipline and gave them a critical assessment; used scientific achievements of other disciplines made a minor mistake
Good corresponds to points 85-89	 during the discussion he did not make any serious mistakes, but he made 1-inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher
80-84	 during the discussion he did not make any serious mistakes, but he made 2-inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher
75-79	 during the discussion he did not make any serious mistakes, but he made 3-inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher
1 Skiring Skiring 20-74 La skiring ski	 during the discussion he did not make any serious mistakes, but he made 4-inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher
Satisfactorily corresponds to points 65-69	- during the discussion, he made 1 fundamental mistakes; - limited himself to only the educational literature specified by the teacher; - experienced great difficulty in systematizing the material
60-64	- during the discussion, he made 2 fundamental mistakes; - limited himself to only the educational literature specified by the teacher; - experienced great difficulty in systematizing the material

scobo south каzaкнятам медісац ACADEMY AO «Южно-Казахстанская медицинская академия»

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Skula eqniki si eqniki	50-54	 during the discussion, he made 3 fundamental mistakes; limited himself to only the educational literature specified by the teacher; experienced great difficulty in systematizing the material
Bedukk skind skind	Unsatisfactory corresponds to points 25-49	 made gross mistakes during the discussion; did not study the basic literature on the topic of the lesson; failed to use the scientific terminology of the discipline
A Skus egn vs egn k	Unsatisfactory corresponds to points 0-24	 found it difficult to answer; did not study the basic literature on the topic of the lesson; failed to use the scientific terminology of the discipline

Checklist for SIWT/SIW

Ana lysis of a scie ntifi c artic	Excellent corresponds to points 95-100 90-94	 independently substantiated and argued the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; freely presented the semantic content of the scientific article; argued and substantiated conclusions; had the skill of using literature and justifying the selected list of references in this article
le XIII	Good corresponds to points 85-89 80-84 75-79 70-74	 substantiated and argued the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; outlined the semantic content of the scientific article; argued and substantiated conclusions; had the skill of using literature and justifying the selected list of references in this article; when answering, he made minor mistakes and inaccuracies
3.640	Satisfactorily corresponds to points 65-69 60-64 50-54	 found it difficult to justify and argue the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; had difficulty expressing the semantic content of a scientific article; had difficulty arguing and substantiating conclusions; had the skill of using literature and justifying the selected list of references in this article; when answering, he made fundamental mistakes and inaccuracies
KU, SKU	Unsatisfactory corresponds to points 25-49	 found it difficult to justify and argue the relevance of the problem; explained the purpose of the work, the materials and methods used in the work; had difficulty expressing the semantic content of a scientific article;

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Working curriculum of the discipline "Respiratory system in pathology" (Syllabus)

Kug.	g.edn.kr. s. skula	 - had difficulty arguing and substantiating conclusions; - failed to demonstrate the skill of using literature and justifying the selected list of literature in this article; - made gross mistakes when answering
og edit	Unsatisfactory corresponds to points 0-24	 found it difficult to justify and argue the relevance of the problem; could not explain the purpose of the work, the materials and methods used in the work; was unable to convey the semantic content of a scientific article; was unable to argue and justify the conclusions; failed to demonstrate the skill of using literature and justifying the selected list of literature in this article; made gross mistakes when answering
Disc ussi on of	Excellent corresponds to points 95-100 90-94	 did not make any mistakes during the discussion; was oriented in the theories, concepts and directions of the discipline and gave them a critical assessment; used scientific achievements of other disciplines
the topi c	Good corresponds to points 85-89 80-84 75-79 70-74	 during the discussion he did not make any gross mistakes, but he did make inaccuracies and minor errors, which he corrected himself; managed to systematize the program material with the help of the teacher
Skug	Satisfactorily corresponds to points 65-69 60-64 50-54	 made fundamental mistakes during the discussion; limited himself to only the educational literature specified by the teacher; experienced great difficulty in systematizing the material
10.KJ	Unsatisfactory corresponds to points 25-49	 made gross mistakes during the discussion; did not study the basic literature on the topic of the lesson; failed to use the scientific terminology of the discipline
Vg.eg	Unsatisfactory corresponds to points 0-24	Se Garin's Skirus segmin in Skurs egnin k

Checklist of SIWT and SIW for the discipline of pathological anatomy

Checklist for assessing responses to the description of a macroscopic preparation in a case

N o.	Evaluation Criteria/Evaluation	Excellent	Good	Satisfactor ily	Unsatisfactory
1	Name of the organ	5.0-4.0	3.9-3.0	2.9-2.0	1.9-0
2	Organ size	5.0-4.0	3.9-3.0	2.9-2.0	1.9-0
3	Surface: condition of the capsule or serous membrane, dullness,	10.0-9.0	8.9-7.0	6.9-5.0	4.9-0

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11.			(Va. 1/2)		1 2
4	Characteristics of the	20.0-19.0	18.9-15.0	14.9-11.0	10.9-0
9/	pathological focus:	KI ST	"War So	77. K	ch, via, en
2	Localization, size, shape (if	1. N.	H, Wo. 6	11, 11, 12	5/1, Vg. 6
9	an ulcer – condition of the	, 40. K	chillo.	ECLYN'E	1 ski no.
Wo.	bottom), color, consistency	60 411.1 K	2 st 0	19. 60 M	12 24 00
5	Pathological	10.0-9.0	8.9-7.0	6.9-5.0	4.9-0
SK.	diagnosis/conclusion	US. CO.Y	J. 11 C	H, Wg. 6	July 1 3 ch
66	Total	50.0-45.0	44.5-35.0	34.5-25.0	24.5-0
1	SK WO. 60 M. 17	CK, Wg.	SOLVIII.	CKI VS	. 600 1 Kr 1
).T	SK 400 60 47:11	ch. Vs	. 60 111 is	11 24	VS. 60, 11.

Checklist for assessing responses to the description of a microscopic specimen in a case study

N	Evaluation	Excellent	Good	Satisfactor	Unsatisfactory
0.	Criteria/Evaluation	00,114,1	3. Ky. 3	ily	1 2, My 2.
10	Name of an organ or tissue	10.0-9.0	8.9-7.0	6.9-5.0	4.9-0
2	Characteristics of pathological changes: localization, description	25.0-23.0	22.9-20.0	19.9-15.0	14.9-0
3	Coloring	5.0-4.0	3.9-3.0	2.9-2.0	1.9-0
4	Pathological diagnosis/conclusion	10.0-9.0	8.8-5.0	4.8-3.0	2.8-0
5	Total	50.0-45.0	44.5-35.0	34.5-25	24.5-0

Checklist for midterm assessment

Testing - testing is assessed using a multi-point knowledge assessment system.

Letter Grading	Digital equivalent of points	Percentage content	Traditional system assessmen
A	4.0	95-100	Excellent
\A- 0	3.67	90-94	40. 15 SK. Way So
B+	3.33	85-89	Good
В	3.0	80-84	ec, 10, 15 ex, wa.
(B - 5)	2.67	75-79	10, 60, 471. LIJ 841, 20
C+ 5	2.33	70-74	19. 800 11 14. 17 2 CAL
1/1,C/1 2	2.0	65-69	Satisfactory
C-, C-	1.67	60-64	Ku vs. com Kr
(D+)	1.33	55-59	13, 174, 35, 390, 14,
D50	1.0	50-54	S. My Jin Sp. K
FX	0.5	25-49	Unsatisfactory
K FO	1 0 0	0-24	1 1 2 W 6 1

Электронная библиотека ЮКМА - https://e-lib.skma.edu.kz/genre

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Resources

- Республиканская межвузовская электронная библиотека (РМЭБ) http://rmebrk.kz/
 - Цифровая библиотека «Aknurpress» https://www.aknurpress.kz/
- Электронная библиотека «Эпиграф» http://www.elib.kz/
- Эпиграф портал мультимедийных учебников https://mbook.kz/ru/index/
- **36C IPR SMART** https://www.iprbookshop.ru/auth
- информационно-правовая система «Заң» https://zan.kz/ru
- Medline Ultimate EBSCO
- eBook Medical Collection EBSCO
- Scopus https://www.scopus.com/

Electronic Textbooks

Propaedeutics of Internal Diseases

- 1) Внутренние болезни. Т. 1 [Электронный ресурс]: учебник / под ред. В. С. Моисеева. 3-е изд., испр. и доп.- Электрон. текстовые дан. (66.5Мб). М.: ГЭОТАР Медиа, 2015. 960
- 2) Внутренние болезни. Т. 2 [Электронный ресурс]: учебник / под ред. В. С. Моисеева. 3-е изд., испр. и доп.- Электрон. текстовые дан. (45.1Мб). М.: ГЭОТАР Медиа, 2015. -895
- 3) Пропедевтика внутренних болезней : Учебник. / Т.С. Рябова, Е.С. Рысс, В.Я. Плоткин и др.. СПб.:СпецЛит, 2015. 414 с. http://rmebrk.kz/book/1174389
- 4) Внутренние болезни в работе врача общей практики :Учебное пособие. / К.Ж. Садыкова, Ш.У. Скендерова, С.К. Саттиева. Туркестан: Туран, 2017. 96 с. http://rmebrk.kz/book/1167635
- 5) Пропедевтика внутренних болезней: Учебник. 6-е изд., I том перераб. и доп. Алматы: Эверо, 2020. 400 с. https://elib.kz/ru/search/read_book/676/
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- 9) Ішкі ағза ауруларының пропедевтикасы. Оқулық Айтмбет Б.11- Алматы «Эверо» 2018ж,-568 бет. https://elib.kz/ru/search/read_book/3086/
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- 11) Стрюк, Раиса Ивановна. Внутренние болезни: в 3 ч.: Ч. 2учебник / Р. И. Стрюк, И. В. Маев Алматы: Эверо, 2016. URL: https://elib.kz/ru/search/read_book/2767/
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- 13) Пименов, Ю. С. Внутренние болезни. Том 1: учебное пособие / Ю. С. Пименов, И. В. Роганова, Л. Н. Финько. Москва: PEABИ3, 2008. 146 с. / Цифровой образовательный ресурс IPR SMART: https://www.iprbookshop.ru/10141.html
- 14) Роганова, И. В. Внутренние болезни. Том 2: учебное пособие / И. В. Роганова, В. Ф. Роганов, И. О. Прохоренко. Москва : PEABИЗ, 2008. 132 с. / Цифровой образовательный ресурс IPR SMART: https://www.iprbookshop.ru/10142.html
- 15) Клинические задачи по внутренним болезням: учебное пособие / Р. И. Сайфутдинов, Л. К. Козлова, О. В. Бугрова [и др.]. Оренбург: Оренбургская государственная медицинская академия, 2012. 152 с. -URL: https://www.iprbookshop.ru/21817.html

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Working curriculum of the discipline "Respiratory system in pathology" (Syllabus)

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- Алматы: Эверо, 2020 200 https://www.elib.kz/ru/search/read_book/91/
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- Алматы: Эверо, 2020 240 c https://www.elib.kz/ru/search/read_book/88/
- 9. Патологическая физиология: Учебник для медицинских вузов. 2 том. Алматы: Эверо, 2020 216 https://www.elib.kz/ru/search/read_book/98/
- 10. Адо А.Д, Адо М.Л, ПыцкогоВ.И.,Порядина Г. В., Владимирова ЮЛ.Патологическая физиология: учебник для медицинских вузов.1 том. Алматы:Эверо, 2020 248 c.https://www.elib.kz/ru/search/read book/96/
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Working curriculum of the discipline "Respiratory system in pathology" (Syllabus)

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12. Discipline Policy

Requirements for students (attendance, behavior, grading policy, penalties, incentives, etc.)

- observe medical ethics and deontology;
- no smoking in the academy;
- maintain cleanliness in the department;
- do not damage furniture in clasrooms;
- treat textbooks with care;
- maintain the appearance of a medical university student;
- observe safety regulations;
- during quarantine, wear medical masks and comply with sanitary and epidemiological regulations;
- 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 for classes conscientiously;
- be active during classes;
- do not engage in other activities during classes: do not talk, do not smoke, do not chew gum, do not eat food, do not use the phone, do not listen to music, do not read newspapers and magazines, do 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 tests (RC 1, RC 2, average grade of the current test) is not admitted to the final test for the discipline.

13.	Academic policy based on the moral and ethical values of the academy
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АО «Южно-Казахстанская медицинская академия»

Department of Pathology and Forensic Medicine Department of Pharmacology, Pharmacotherapy and Clinical Pharmacology Department of Propaedeutics of Internal Diseases

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P.12. Grading Policy

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.

> Final score (100%) = RD (60%) + IC (40%)RD(60%) = RKsr(20%) + TKsr(40%)PKcp = (PK1 + PK2): 2

Final score $(100\%) = RKsr \times 0.2 + TKsr \times 0.4 + IR \times 0.4$

RD – Admission Rating

IC – final control assessment

PKcp – average grade of the midterm control taking into account penalty points

TKsr – average assessment of current control taking into account SIW

PK1 – boundary control 1

PK2 – boundary control 2

14. Approval and revision

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