


ОҢТҮСТІК-ҚАЗАҚСТАН MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ	 SKMA -1979-	SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
Department of "Propaedeutics of internal diseases"		044 – 47 / 11 ()
Education program (syllabus) on the discipline "Propaedeutics of internal diseases - 1"		1 p. of 24 p.

DEPARTMENT OF PROPAEDEUTICS OF INTERNAL DISEASES
WORKING TRAINING PROGRAM OF THE DISCIPLINE (SYLLABUS)
Educational program «6B10101-General Medicine»

1.	General information about the discipline		
1.1	Discipline code: PID 3302-1	1.6	Academic year: 2023-2024
1.2	Name of the discipline: Propaedeutics of internal diseases - 1	1.7	Course: 3
1.3	Prerequisites: Morphology and physiology.	1.8	Semester: 5
1.4	Post-requirements: Basics of Internal Diseases-1	1.9	Number of Credits (ECTS): 4 credits
1.5	Cycle: DB	1.10	Component: OC

2.	Description of the discipline (maximum 50 words)		
<p>"Propaedeutics of Internal Diseases -1" forms knowledge on examining a patient, skills of questioning, physical examination, necessary for the formation of clinical competencies of a doctor of any specialty. Physical examination of patients with leading syndromes of infectious (tuberculosis, COVID - 19, etc.) and non-communicable diseases. Planning additional research methods. Filling in the medical history (training).</p>			

3.	Summative assessment form		
3.1	Testing <input checked="" type="checkbox"/>	3.5	Coursework
3.2	Written	3.6	Essay
3.3	Oral	3.7	Project
3.4	Practical skills reception <input checked="" type="checkbox"/>	3.8	Other (specify)

4.	Objectives of the discipline		
<p>To form students' skills of practical thinking, based on knowledge of the physiological mechanisms of the development and course of diseases, objective and subjective examination methods and the choice of the laboratory and instrumental research methods for the main clinical syndromes of internal diseases.</p>			

5.	Final learning outcomes (LR disciplines)		
LR 1	Applies the basics of semiotics and syndromology in the study of pathological processes of organs and systems:		
LR 2	Follows the principles of communication with patients and colleagues:		
LR1	LR 1. Provides patient-centered care in the field of biomedical, clinical, epidemiological and socio-behavioral sciences for the most common diseases.		
LR 2	LR 4. Conducts effective measures aimed at the diagnosis, treatment, prevention of common and early forms of diseases.		

6.	Detailed information about the discipline		
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6.1	<p>Venue (building, auditorium): Classes on propaedeutics of internal diseases are held in the classrooms of the department and the CPN, which are equipped with specialized simulation models, as well as computer systems.</p> <p>Location of the department: Shymkent, GKP on the PCV "Regional Clinical Hospital" of the South Kazakhstan Health Department. Ophthalmology Department - D.Kurmanbekov str. 2, e-mail address – propedevtica_vb@mail.ru</p> <p>If you have any questions about training and/or technical support, please contact us by phone and/or email specified on the website of JSC "YUKMA" in the CALL-Center section, Helpdesk on the main page of the site.</p>
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6.2	Number of hours	Lectures	Pract les	SIW	SIWT
		10	30	24	44/12

7.	Information about teachers				
№	Full name	Degrees and title	e-mail	Research interests, etc.	Progress
1	Bekmurzayeva Elmira Kuanyshevna	Head of the Department, MD, Professor	Elmira-bek@mail.ru	Scientific work: "Clinical and hygienic features of the formation of diseases of the digestive organs in workers of modern oil refining production (on the example of JSC "SHNOS")".	<p>Author of more than 260 scientific and methodological publications, 2 textbooks, 8 textbooks. Certificate of therapist, gastroenterologist and rheumatology of the highest category. 2005 - Doctor of Medical Sciences, approved by the Higher Attestation Commission of the Republic of Kazakhstan (diploma GC No. 0000379), (14.00.50 – "Occupational Medicine"), Professor in the specialty "Medicine" (diploma PR No. 0000446), Higher Attestation Commission of the Republic of Kazakhstan.</p> <p>Under the leadership of E.K. Bekmurzayeva, 3 candidates of medical sciences were trained, who received approval from the Committee for Control and Certification in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan. Professor Bekmurzayeva E.K. graduated 6 masters in the specialty "Medicine", member of the Presidium of the Association of Therapists of the Republic of</p>

					<p>Kazakhstan, Honorary Professor of the European Scientific Society of Germany (ENN) (Hanover, Germany), full member of the European Academy of Natural Sciences (EAEN) (Hanover, Germany). Awarded for high scientific achievements with medals, diplomas and certificates: Robert Koch 2012, Peterkof 2014, Albert Schweitzer 2015, "Excellent Health Worker of the Republic of Kazakhstan", Republican grant of the Ministry of Education and Science of the Republic of Kazakhstan "The best University teacher - 2014 ". He has certificates from Cambridge University in "Communication Skills", the University of Nebraska (USA) in innovative teaching methods, KazGU in psychology and pedagogy, AGIUV in a competence-based approach to teaching. He has the highest qualification category of a general practitioner. Availability of patents and pre-patents, copyrighted inventions, state registration of intellectual property - 9: –patents and pre-patents - 3</p>
2.	Sadykova G.S.		gulzhan2171@mail.ru	Scientific work: "hepatoprotective effect of pannuvladin in toxic hepatitis".	Author of more than 35 scientific and methodological publications, 8 textbooks, Certificate of a therapist of the highest category. Specialist Certificate GP
3.	Baidullaev B.M.	assistant,	bbm2055@mail.ru	-	Author of more than 65 scientific and methodological publications, 6 textbooks. Certificate of the therapist of the highest category.
4.	Akhaeva L.Zh.	assistant	Laura1990a00@mail.ru	-	Specialist Certificate GP
5.	Bathieva M.B.	assistant	Madin_madina@m	-	Certificate of a specialist

			ail.ru		therapist. International APTIS certificate
6.	Toktarova G.A.	assistant	Toktar_8585@mail.ru	-	Certificate of a specialist therapist, functional diagnostics, cardiology.
7.	Amangeldieva G.S	assistant	Amangeldievag71@mail.ru	-	Specialist Certificate GP
8.	Askar Zh.M	assistant	Zhm.askar@mail.ru	-	Specialist Certificate GP

8. Thematic plan						
Week/day	Topic name	summary	RT of discipline	Number of hours	Forms/methods/technologies of training	Forms/methods/technologies of training
1	Lecture. The importance of internal diseases in general medical education. Tasks of the propaedeutic clinic. Chart of the medical history. Questioning and general examination of patients.	The importance of internal diseases in general medical education. The purpose and objectives of the discipline. Chart of the medical history. Diagnostic value of methods of clinical examination of patients. Interview or medical interview; rules for collecting anamnesis (passport part, complaints-the concept of the definition of "complaints" of the patient", its types, details of complaints; anamnesis, types of anamnesis. Physical research methods	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson: Questioning, examination, palpation of the chest of patients with respiratory system pathology. Diagnostic value.	Interview of a patient with respiratory diseases: main, secondary complaints, their pathogenesis. Features of the history of the disease and life: the role of predisposing factors in the development of diseases of the respiratory system. Static and dynamic examination of the chest. Determination of the frequency, type and rhythm of breaths. Palpation of the chest. Determination of chest resistance and vocal tremor	LR 1,2	2	Discussion of the topic of the lesson,	Solving situational problems, mastering practical skills.
	SIWT. Consultation on the	The history of the development of the main methods of disease recognition, i.e. diagnosis. The	LR 1,2	2/2	Presentation evaluation	Preparing and defending a presentation

	implementation of the SIW 1. The task of the SIW Topic: History of diagnostics development.	concept of "Health and disease". Diagnostic tasks.				
2	Lecture. Questioning, examination, palpation and percussion of patients with respiratory system pathology. Diagnostic value.	Complaints and anamnesis in patients with respiratory system pathology. Examination – examination of the skin, mucous lips, finger tips; the state of external respiration-examination of the nose - the state of the septum and wings of the nose, nasolabial triangle; their changes-examination of the chest - the shape, symmetry of both halves, participation in the act of breathing; their changes. Chest palpation: methods for determining the elasticity of the chest; methods for determining the voice tremor and its changes. Lung percussion: the physical basics of lung percussion and clear lung sound; percussion rules; methods and techniques of comparative and topographic percussion. Diagnostic value.	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson: Lung percussion is normal and abnormal. Diagnostic value.	Comparative lung percussion: methodology, diagnostic value. Topographic percussion of the lungs: a technique for determining the upper and lower boundaries of the lungs, Krenig fields. Diagnostic value. Method of determining the active mobility of the lower edge of the lungs, diagnostic value.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills.
	SIWT. Consultation on the implementation of SIW 2. SIW task Topic: Joining	The relationship between the doctor and the patient, the doctor's duty and the duties of the doctor. Medical deontology. Iatrogeny.	LR 1,2	2/2	Presentati on evaluation	Preparing and defending a presentation

	the clinic. Fundamentals of medical deontology.					
3	Practical lesson: Auscultation of the lungs in normal and pathological conditions. Diagnostic value.	Basic rules of auscultation of the lungs. Basic respiratory noises. The mechanism of vesicular and bronchial respiration. Bronchophonia. Adverse respiratory noises. The mechanism of occurrence of wheezing, crepitation, pleural friction noise. Differential diagnosis of the secondary respiratory tract. Pulmonary syndromes.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills.
	SIWT. Consultation on the implementation of the SIW 3. The task of the SIW Topic: Diagnostic value of laboratory methods of research of respiratory organs.	The main methods of laboratory research and the definition of a number of diagnostic signs that serve as criteria for the pathological process of the respiratory system.	LR 1,2	1/3	Presentati on evaluation	Preparing and defending a presentation
4	Lecture. Auscultation of the lungs in normal and pathological conditions. Diagnostic value.	Auscultation of the lungs: rules, procedure and technique of auscultation of the lungs; normal respiratory noises, their types: - vesicular respiration-the mechanism of formation, characteristics, places of listening, types of changes, physiological causes of changes; bronchial respiration-the mechanism of formation, characteristics, places of listening, types of changes, reasons for listening in an atypical place. Additional respiratory noises. Wheezing: dry and wet. Crepitation, types. Pleural friction noise. Mechanisms of occurrence. Diagnostic value.	LR 1	1	Overview lecture	Blitz survey on the topic

	<p>Practical lesson: Questioning, examination, palpation of the chest of patients with pathology of the cardiovascular system. Diagnostic value.</p>	<p>Complaints of the patient, characteristic of diseases of the cardiovascular system, the main and secondary. Examination of the heart area, to determine the diagnostic value of the detected changes. Palpation of the heart area. Apical push: the definition of the concept, the methodology for investigating the cause of a negative apical push. Examination and palpation of large vessels. Study of the arterial pulse. Changes in the area of the heart in diseases.</p>	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills.
	<p>SIWT. Consultation on the implementation of the SIW 4. The task of the SIW Topic: Diagnostic value of instrumental methods of research of respiratory organs. Study of the function of external respiration.</p>	<p>The main methods of instrumental research and the determination of a number of diagnostic signs that serve as criteria for the pathological process of the respiratory system. Methods of functional diagnostics.</p>	LR 1,2	2/2	Analysis and discussion of scientific articles (scientific articles on topics)	Check list. Feed-back to each student using the "Sandwich" method
5	<p>Lecture. Questioning, examination, palpation and percussion of patients with pathology of the cardiovascular system. Diagnostic value.</p>	<p>Interview of patients with pathology of the cardiovascular system. Data of physical methods of investigation of the cardiovascular system in a physiological state. General examination: general condition, consciousness, position in bed; physique; examination of the skin and mucous membranes; examination of the nails and terminal phalanges; examination of the heart area – apical push, its localization; Palpation of the heart area: determination of the apical push; rules of palpation of the apical push and its</p>	LR 1	1	Overview lecture	Blitz survey on the topic

		physiological characteristics or properties-localization, size, height, strength. Heart percussion: – percussion goals; rules and procedure for heart percussion-position of the doctor, volunteer, setting of the finger-plethysmometer, impact force; - determination of the boundaries of relative and absolute dullness of the heart, the boundaries of the vascular bundle and the configuration of the heart-rules and order, the position of the doctor, the volunteer, the installation of the finger-plethysmometer, the force of impact;				
	Practical lesson: Heart percussion. Diagnostic value.	Heart percussion: the limits of absolute and relative dullness of the heart. The method of determination. Diagnostic value. Determination of the diameter of the heart, the position of the right and left contours, and the configuration of the heart. Methodology. Diagnostic value.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills.
	SIWT. Consultation on the implementation of the SIW 5. The task of the SIW Topic: Diagnostic value of laboratory studies in diseases of the cardiovascular system.	The main methods of laboratory research and the definition of a number of diagnostic signs that serve as criteria for the pathological process of the cardiovascular system.	LR 1,2	2/2	Presentati on evaluation	Preparing and defending a presentation
6	Practical lesson: Auscultation of the heart and blood vessels is normal. Diagnostic value.	Methods and techniques of auscultation of the heart. The order of listening. Listen to the true projection of the valves. Auscultative characteristics of heart tones in a healthy person.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills

		The mechanism of occurrence of tones.				
	SIWT. Consultation on the implementation of the SIW 6. The task of the SIW Topic: Diagnostic value of ECG. Electrocardiographic signs of hypertrophy of the atria and ventricles of the heart.	The main methods of electrocardiographic examination and identification of a number of diagnostic signs that serve as criteria for the pathological process of the cardiovascular system.	LR 1,2	1/3	Presentati on evaluation	Preparing and defending a presentation
7	Lecture. Methods of investigation of large and peripheral vessels. Diagnostic value.	Examination of peripheral vessels, - vascular examination-palpation of the carotid and radial arteries; visible pulsation, determination of aortic pulsation in the jugular fossa; - method of determining the pulse on the radial arteries, its properties-comparison of the pulse on both hands, frequency, rhythm, filling, tension, size, shape of the pulse; - determination of the pulse on the temporal, carotid, brachial, ulnar, popliteal and foot arteries; - the concept and types of blood pressure; Auscultative method for determining blood pressure (BP) on the ulnar artery.	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson: Auscultation of the heart and blood vessels in pathology. Diagnostic value.	The reasons for the strengthening and weakening of heart tones. Classification of heart murmurs.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills
	SIWT Consultation on the implementation of SIW 7. SIW task	Methods for determining Helicobakter pylori and identifying a number of diagnostic signs that serve as criteria for pathological pylosis of the digestive system.	LR 1.2	2/2	Preparing and defending a presentati on	Presentation evaluation

	Topic: Laboratory methods for the determination of <i>Helicobacter pylori</i> . Daily pH-metric.	Diagnostic value of intragastric pH-metry.				
8	Lecture. Auscultation of the heart in normal and pathological conditions. Diagnostic value.	Auscultation of the heart: heart tones, the descent of tones, or the mechanism of formation of 1 and 2 tones. Determination of the projection of the valves on the anterior surface of the chest, rules, procedure and technique of auscultation of the heart-the position of the doctor, the volunteer during auscultation of the heart the order of listening to the heart valves characteristics of normal tones -1 and 2, their differences from each other during auscultation, a graphic representation of the sonority of 1 and 2 tones at the top and base of the heart - types of changes, physiological causes of changes.	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson: Methods of research of patients with pathology of the digestive system. Diagnostic value.	Complaints typical of diseases of the gastrointestinal tract. Examination of the oral cavity. General inspection and evaluation of the received data. Abdominal evaluation examination and clinical characteristics. Methods and techniques of conducting superficial palpation of the abdomen according to the Obratsov-Strazhesco method. Methods and techniques of deep palpation of the abdomen according to the Obratsov-Strazhesco method. Methods and techniques for determining the lower border of the stomach. Methods and techniques of abdominal percussion to determine the free fluid in the abdominal cavity.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills
	Midterm control	The control includes the content of	LR 1,2	2/3	Answer-	Demonstration of

	№1	the topic of lectures, practical classes and SIW 1-8 weeks.			question method	practical skills, filling out and defending a medical history, oral interview.
9	Practical knowledge: Methods of research of patients with pathology of the hepatobiliary system. Diagnostic value.	Methods of interviewing patients with liver and spleen diseases. Methods and techniques of liver percussion according to Kurlov. Methods and techniques of liver palpation. Methods and techniques of percussion and palpation of the spleen.	LR 1,2	2	Discussion of the topic of the lesson,	Solving situational problems, mastering practical skills
	SIWT. Consultation on the implementation of SIW 9. SIW task Topic: Preparation and methodology of instrumental methods for the study of patients with diseases of the digestive system of the upper floor.	The main methods of instrumental research and identification of a number of diagnostic signs that serve as criteria for the pathological process of the upper floor of the digestive system.	LR 1,2	1/4	Presentation evaluation	Preparing and defending a presentation
10	Lecture. Methods of research of patients with pathology of the digestive system. Diagnostic value.	Interview of patients with pathology of the digestive system. Data of physical methods of investigation of the digestive system in a physiological state. General examination of patients with pathology of the digestive system. Objective methods of research; examination of patients with diseases of the gastrointestinal tract, diagnostic value of superficial and deep palpation of the abdomen, percussion of the liver and spleen, auscultation of the abdominal organs. Examination of the skin, mouth and abdomen in the lying and standing position. Deep	LR 1	1	Overview lecture	Blitz survey on the topic

		palpation of the abdomen according to the Obraztsov method. Definitions of splash noise.				
	Practical lesson: Methods of research of patients with pathology of the urinary-genital system. Diagnostic value.	Interviewing the patient (study of complaints and their interpretation). Examination of the patient (it is necessary to pay attention to the general condition of the patient, his activity, position in bed, body features, the state of subcutaneous tissue, muscles, weight loss and weight gain, including due to fluid retention, changes in the color of the skin, the appearance of hemorrhagic and other changes). Palpation and percussion of the patient.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills
	SIWT. Consultation on the implementation of SIW 10. SIW Task Topic: Preparation and methodology of instrumental methods for the study of patients with diseases of the digestive system of the lower floor	The main methods of instrumental research and identification of a number of diagnostic signs that serve as criteria for the pathological process of the lower floor of the digestive system.	LR 1,2	2/4	Presentati on evaluation	Preparing and defending a presentation
11	Lecture. Methods of research of patients with pathology of the urinary-genital system. Diagnostic value.	Interview of patients with pathology of the urinary system and external genitalia. Data of physical methods of research of the urinary system and external genitalia. General examination: examination of the face, eyelids; Examination of the lumbar region; assessment of the degree of kidney prolapse; palpation: technique, percussion: method of beating the kidney area, percussion determination of the upper border of the bladder; auscultation-a method of	LR 1	1	Overview lecture	Blitz survey on the topic

		listening to the renal arteries.				
	Practical lesson: Methods of laboratory research of patients with pathology of the urinary system. Diagnostic value.	Collection of urine for AGU, for a sample of Zimnitsky, Rehberg, its indicators are normal and pathological. Principles of determining the level of creatinine, urea and residual nitrogen in the blood serum, their indicators in normal and pathological conditions. Principles of radioisotope radiography, diagnostic capabilities of the method. Preparation and technique of excretory urography, its indicators in normal and pathological conditions. Determination of glomerular filtration rate: calculated GFR using the CKD-EPI formula. Visual examination methods: X-ray and ultrasound. The importance of endoscopic examination methods.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills
	SIWT. Consultation on the implementation of SIW 11. Task Topic: Instrumental methods of research of patients with diseases of the urinary system.	The main methods of instrumental research and identification of a number of diagnostic signs that serve as criteria for pathological urinary system abscess	LR 1,2	2/4	Presentati on evaluation Preparing and	defending a presentation
12	Practical lesson: Methods of laboratory research of patients with pathology of the hematopoietic system. Diagnostic value.	Методы клинического обследования больных с патологией органов кЛОветворения. Схема кЛОветворения. Показатели периферической кЛОВи в норме. Жалобы, предъявляемые больными с заболеваниями системы кЛОВи Пальпация лимфатических узлов Перкуссия селезенки.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skills
	SIWT.	The main methods of	LR 1,2	1/4	Presentati	Preparing and


	Consultation on the implementation of SIW 12. Task SIW the beginning Topic: Instrumental methods of research of patients with diseases of the hematopoietic system.	instrumental research and identify a number of diagnostic signs that serve as criteria for the pathological process of the hematopoietic system.			on evaluation	defending a presentation
13	Lecture. Methods of research of patients with pathology of the endocrine system. Diagnostic value.	Interview of patients with pathology of the endocrine system. Data of physical methods of research of the endocrine system. General examination: examination of the face, eyelids, skin; palpation of the thyroid gland: technique.	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson: Methods of research of patients with pathology of the endocrine system. Diagnostic value	Complaints of patients with endocrine pathology. Features of the anamnesis of the disease and the patient's life. Pathological symptoms identified in patients with damage to the endocrine system.	LR 1,2	2	Discussion of the topic of the lesson,	Solving situational problems, mastering practical skills
	SIWT. Consultation on the implementation of SIW 13. SIW Task Topic: Endocrine forms of obesity, classification, risk factors.	To inform students about the risk factors for developing obesity. Identify a number of diagnostic signs and forms of obesity.	LR 1,2	2/3	Presentati on evaluation	Preparing and defending a presentation
14	Lecture. Methods of research of patients with pathology of the hematopoietic system. Diagnostic value.	Interview of patients with pathology of the hematopoietic system. Data of physical methods of investigation of the hematopoietic system. General examination: palpation and percussion of the spleen: methodology.	LR 1	1	Overview lecture	Blitz survey on the topic
	Practical lesson:	Methods and techniques of	LR 1,2	2	Discussion	Solving situational

	Methods of research of patients with pathology of the musculoskeletal system. Diagnostic value	examination of the musculoskeletal system. The main symptoms of the pathology of diseases of the musculoskeletal tissue, acute allergoses, their diagnostic significance.			of the topic of the lesson,	problems, mastering practical skills
	SIWT. Consultation on the implementation of SIW 14. SIW task Topic: Functional research methods in neurology.	Introduction of students to functional methods in neurology. Determine the physiological and pathological reflexes.	LR 1,2	1/3	Analysis and discussion of scientific articles (scientific articles on topics)	Check list. Feed-back to each student using the "Sandwich" method
15	Practical lesson: The scheme of filling in the neurological status.	Methods of examination of the neurological status in adults: examination, palpation, determination of tendon reflexes; Methods of questioning complaints, anamnesis of the disease and the life of a patient with a pathology of the nervous system; Methods of external and local examination of a patient with a pathology of the nervous system. General symptomatology of the lesion of the nervous system.	LR 1,2	2	Discussion of the topic of the lesson	Solving situational problems, mastering practical skill
	Midterm control #2	The control includes the content of the topic of lectures, practical classes and SIW 8-15 weeks.	LR 1,2	1/3	Answer-question method	Demonstration of practical skills, filling out and defending a medical history, oral interview.
	16	Preparation and conduct of interim certification		12		
9.	Teaching and learning methods					
9.1	Lectures	Overview lecture				
9.2	Practical classes	Discussion of the topic of the lesson, solving situational problems, mastering practical skills.				
9.3	SIW/SIWT	Preparing and defending a presentation				
9.4	Midterm control	Demonstration of practical skills, filling out and defending a medical history, oral interview.				

10. Evaluation criteria

10.1. Criteria for evaluating the learning outcomes of the discipline

№ LO	The name of the learning outcomes	Unsatisfactory	Satisfactory	Good	Excellent
LO 1	Applies the basics of semiotics and syndromology in the study of pathological processes of organs and systems.	1) is not able to determine the basics of semiotics and syndromology, the main parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) does not explain the etiology, pathogenesis, morphogenesis of various diseases.	1) it is difficult to determine the basics of semiotics and syndromology 2) knows the basic parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) it is difficult to determine the etiology, pathogenesis, morphogenesis of various diseases	1) defines the basics of semiotics and syndromology 2) applies knowledge of basic parameters of laboratory and instrumental studies of pathological processes of organs and systems 3) explains the etiology, pathogenesis, morphogenesis of various diseases.	1) independently determines the basics of semiotics and syndromology 2) analyzes the basic parameters of laboratory and instrumental studies of pathological processes of organs and systems. 3) analyzes the etiology, pathogenesis, morphogenesis of various diseases.
LO 2	Follows the principles of communication with patients and colleagues.	1) is not able to conduct questioning, physical examination of the patient, to make an examination plan. Cannot communicate properly with his colleagues.	1) admits inaccuracies during questioning, physical examination of patients 2) it is difficult to collect information when drawing up a survey plan; 3) it is not able to justify a plan of basic and additional studies to clarify the lesion syndrome. Difficulty communicating with colleagues.	1) conducts questioning, physical examination of patients 2) collects information when drawing up a survey plan 3) justifies the planned volume of basic and additional studies to clarify the lesion syndrome. Easily communicates with colleagues.	1) is fluent in the methods of questioning and physical examination 2) independently conducts questioning, physical examination of patients 3) uses clinical thinking in the collection of information and the preparation of an examination plan 4) substantiates the indicated volume of basic and additional

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Department of "Propaedeutics of internal diseases"		044 – 47 / 11 ()
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					studies to clarify the lesion syndrome. Relations with colleagues are at a very high level.
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EVALUATION CRITERIA. CHECKLISTS OF PRACTICAL TRAINING and SRO

№	Evaluation criteria	Level			
		Excellent	Good	Satisfactory	Unsatisfactory
Practical exercises:					
1	Written answer to the questions of this assignment/execution of the protocol of laboratory work Solving situational problems	30	21	15	0
2	Oral answer to the questions of this assignment	30	21	15	0
3	Completing test tasks	12	8	6	0
4	Solving situational problems	28	20	14	0
	Common:	100	70	50	

Completing test tasks

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

Solving situational problems

№	Evaluation criteria	Points
1	Shows original thinking while analyzing a situational problem. Fully uses the theoretical knowledge necessary to solve this problem. Shows excellent knowledge of reference biochemical parameters in the interpretation of the proposed data of bio-liquid analyses. Demonstrates the ability to make logical conclusions on a situational task, while showing a deep understanding of the necessary educational material.	25-28
2	Has the necessary knowledge to solve this situational problem. Makes unprincipled inaccuracies when discussing this case. Able to make the right conclusions on the proposed situational task.	19-24
3	Makes unprincipled inaccuracies when discussing this problem, makes it difficult to interpret the analyses proposed in the situational problem. Makes conclusions difficulty.	14-18
4	Makes fundamental mistakes in the discussion of a situational task. Passive, unable to make appropriate conclusions.	0-13


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

№	Questions	Level			
		Excellent	Good	Satisfactory	Unsatisfactory

1	1 situational theme task	14	10	7	0
2	2 situational theme task	14	10	7	0
	Total:	28	20	14	0

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

Evaluation criteria in points by %	Unsatisfactory/ 0-49%	Satisfactory/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 the scientific article when listing, skips the components	1) Lists the structural components of a scientific article, but violates the order of the structure	1) Follows the order of the structure of the scientific article when listing Title Authors Publishing house Resume General part (introduction, purpose, materials and methods, results and discussion) Conclusions List of literature
Analysis of the content of a scientific article	1. Does not understand the relevance of the problem, is not able to discuss the content of the article	1. Understands the urgency of the problem 2. Lists the purpose of the work, the materials and methods used in the work 3. understands the content of the scientific article 4. Lists the conclusions, the list of references in this article	2. Assumes the relevance of the problem 2. Explains the purpose of the work, the materials and methods used in the work 3. sets out the content of the scientific article 4. Substantiates the conclusions 5. Substantiates 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 expounds the semantic content of a scientific article 4) Argues and substantiates the conclusions 5) Has the skill of using literature and justifies the

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				selected list of references in this article
Answer to additional questions (on the topic of the article for the discipline)	Does not answer additional questions on the topic	Does not understand the problem posed for answers additional questions	Applies the acquired knowledge in a practical lesson on the topic to answer	Applies the acquired knowledge in a practical lesson on the topic to answer

Checklist for evaluating the oral response at the midterm examination (Pharmacology-2)

Form of the control	Evaluation	Evaluation criteria
Written	Excellent Matches the scores: A (4,0; 95-100%); A- (3,67; 90-94%)	Given in the event that the student did not make any mistakes during the answer, knows how to use the scientific terminology of the discipline. He is guided in the pharmacological classification and nomenclature of medicines. Gives pharmacological characteristics of medicines. Compares drugs in pharmacological groups, generations (generations) by pharmacokinetic, pharmacodynamic parameters. Writes out a prescription for medicines.
	Good Matches the scores B+ (3,33; 85-89%) B (3,0; 80-84%) B- (2,67; 75-79%) C+ (2,33; 70-74%)	Given in the event that the student did not make any mistakes during the answer, knows how to use the scientific terminology of the discipline. He is guided in the pharmacological classification and nomenclature of medicines. It does not give a complete pharmacological characteristic of medicines. Does not compare drugs in pharmacological groups, generations (generations) by pharmacokinetic, pharmacodynamic parameters. Writes out a prescription for medicines.
	Satisfactory Matches the scores: C (2,0; 65-69%) C- (1,67; 60-64%) D+ (1,33; 55-59%) D- (1,0; 50-54%)	Given in the event that the student did not make many mistakes during the answer, does not know how to use the scientific terminology of the discipline. Does not know the pharmacological classification and nomenclature of medicines. It does not give a complete pharmacological characteristic of medicines. Does not compare drugs in pharmacological groups, generations (generations) by pharmacokinetic, pharmacodynamic parameters. Writes out a prescription for medicines with errors.
	Unsatisfactory FX (0,5; 25-49%) F (0; 0-24%)	Given in the event that the student made fundamental mistakes during the answer, does not know how to use the scientific terminology of the discipline, answers with gross stylistic and logical errors. Does not know the pharmacological classification and nomenclature of medicines. Does not give pharmacological characteristics of medicines. Does not compare drugs in pharmacological groups, generations (generations) by pharmacokinetic,


pharmacodynamic parameters. Does not write a prescription for medicines .

Intermediate certification - CTIC

Frontier control checklist

Form of control	Evaluation	Evaluation criteria
Solving situational problems on tickets	"Excellent" 90-100%	The student accurately analyzes the main and secondary complaints, perfectly navigates the collected anamnesis of life and disease. Connects the data of objective physical examination (palpation, auscultation, percussion), correctly interprets the data of laboratory and instrumental studies. He is able to evaluate the pathophysiological patterns of research results. Finds and compares the relationship between the main symptoms and syndromes. Substantiates and makes a presumptive syndromic diagnosis.
		The student accurately answered the question on the task based on understanding, knowledge and clinical thinking on this clinical situation.
		Unmistakably conducts basic physical research on this problem according to the algorithm (practical skill No. 1)
		Unmistakably conducts basic physical research on this problem using an algorithm (practical skill No. 2)
	«Good» 70-89%	The student perfectly understands the main and secondary complaints, is well-versed in the collected history of life and disease. Connects the data of objective physical examination (palpation, auscultation, percussion), interprets the data of laboratory and instrumental studies with errors. There are errors in the evaluation of pathophysiological patterns of research results. Finds and compares the relationship between the main symptoms and syndromes. Makes a presumptive syndromic diagnosis without substantiating the data
		The student did not answer the question on the task in full for this clinical situation

		Conduct basic physical studies on this problem with gaps in the algorithm (practical skill No. 1)
		Conduct basic physical studies on this problem with gaps in the algorithm (practical skill No. 2)
<p>«Satisfactory» 50-69%</p>		<p>The student examines the main and secondary complaints with errors, is poorly oriented in the collected anamnesis of life and disease.</p> <p>Connects the data of objective physical examination (palpation, auscultation, percussion), correctly interprets the data of laboratory and instrumental studies.</p> <p>Unable to assess the pathophysiological patterns of research results.</p> <p>Is not able to compare the relationship between the main symptoms and syndromes.</p> <p>Makes a presumptive syndromic diagnosis without substantiating the data</p>
		The student answered the question on the task without understanding, knowledge and clinical thinking on this clinical situation
		Conducts basic physical research on this problem with fundamental errors (practical skill No. 1)
		Conducts basic physical research on this problem with fundamental errors (practical skill No. 2)
	<p>«Unsatisfactory» 0-49%</p>	
		The student gave the wrong answer to the question on the problem
		The skill shown for this task does not correspond to the algorithm (practical skill No. 1)
		The skill shown for this task does not correspond to the algorithm (practical skill No. 2)


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Multi-point knowledge assessment system

Rating by letter system	The digital equivalent of points	Percentage	Rating by traditional system
A	4,0	95-100	Excellent
A -	3,67	90-94	
B +	3,33	85-89	Well
B	3,0	80-84	
B -	2,67	75-79	
C +	2,33	70-74	
C	2,0	65-69	Satisfactory
C -	1,67	60-64	
D+	1,33	55-59	
D-	1,0	50-54	
FX	0,5	25-49	Not satisfactory
F	0	0-24	

11.	Learning resources
Literature	<p>Electronic resources:</p> <p>1) Ivashkin, V. T. Internal diseases propedeutics [Электронный ресурс] : textbook / V. T. Ivashkin, A. V. Okhiobystin. - Электрон. текстовые дан. (142Мб). - М. : ГЭОТАР - Медиа, 2017. - эл. опт. диск (CD-ROM).</p> <p>Main:</p> <p>1) Vasilenko, V. K. Propaedeutics of internal diseases. 1-volume: textbook / - Almaty : "Evero" , 2017. - 364 p.</p> <p>2) Vasilenko, V. K. Propaedeutics of internal diseases. 2- volum : textbook /. - Almaty : "Evero" , 2017. - 364 p.</p> <p>3) Vasilenko, V. K. Propaedeutics of internal diseases. 3- volume : textbook /. - Almaty : "Evero" , 2017. - 188 p</p>

12.	Discipline Policy
<p>Requirements for students, attendance, behavior, grading policy, penalties, incentive measures, etc.</p> <ol style="list-style-type: none"> 1. Wear special SIWthing (robe, cap) in class. 2. Mandatory attendance of lectures, practical classes and SIWT according to the schedules. 3. Do not be late, do not miss lectures and classes. In case of illness, provide a certificate and a work-out sheet with an indication of the deadline, which is valid for 30 days from the moment of receiving it at the dean's office. 4. Missed classes for a disrespectful reason are not worked out. Students who miss classes for a disrespectful reason in the electronic journal, next to the mark "h", are given a score of " 0 " and deducted penalty points: ұртпағ the penalty point for skipping 1 lecture is 1.0 point from the assessments of the boundary control; ұртпағ The penalty point for skipping 1 SIWT class is 2.0 points out of the SIW grades. 5. Attending SIWT classes is mandatory. In case of absence of students on SIWT, a mark "h" is made in the educational and electronic journal. 6. Each student must complete all forms of SIW assignments and pass on schedule. 7. For each practical lesson and SIWT, all students should prepare in a timely and clear manner and take an active part in the discussion of the topic. 8. Be responsible for the sanitary condition of your workplace and personal hygiene. 9. Eating in clasSIWoms is strictly prohibited. 10. Observe the safety regulations when working with simulation models 	

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11. Observe the academy's internal regulations and ethics of conduct.
12. Be tolerant, open and friendly to fellow students and teachers.
13. Carefully treats the property of the department.

13.	Academic policy based on the moral and ethical values of the Academy
13.1	Academic policy. p. 4 Student Honor Code
13.2	GRADING POLICY 1. The lesson uses several forms of knowledge control. The average score is given to the journal. 2. A student who has not scored a passing score (50%) on one of the types of controls (current control, boundary control No. 1 and / or No. 2) is not allowed to take the exam in the discipline. 3. The final rating admission to the exam in the discipline must be at least 50 points (60%) which is calculated automatically based on the average score of the current control (40%) + the average score of the boundary controls (20%). 4. Intermediate certification-conducted in two stages: the reception of practical skills and in the form of testing.

14.	Approval and revision		
Date of approval at the department	Protocol №	Full name of the head of department	Signature
<i>29.06.2023</i>	<i>№11</i>	Head of the Department of «Propaedeutics of internal diseases» d.m.s., professor Bekmurzaeva E.K.	<i>Бекмурзаева</i>
Meeting approval date EPC	Protocol №	Full name of the chairman of the EPC	Signature
<i>25.05.2023</i>	<i>№11</i>	d.m.s., acting professors Sadykova A.Sh.	<i>Sadykova</i>

Ф-044/270/01-2023

Protocol of coordination of the Working curriculum of the discipline (Syllabus) with others disciplines for 2023-2029y.

Coordination disciplines	Proposals for changes in the proportions of the material, the order of presentation etc	Protocol numbers and meeting dates of the coordinating departments
1	2	3
Prerequisites:		
1. Morphology and physiology.	Agreed	Protocol № <u>11</u> <u>26.06.2023y.</u>
Postrequisites:		
1. Basics of internal diseases –	Agreed	Protocol № <u>11</u> <u>23.06.2023y.</u>

Prerequisites:

1. Department: Normal and pathological physiology
Head of the department, c.b.s., associate prof. Zhakipbekova G.S.


Postrequisites:

1. Department: Therapy and cardiology
Head of the department, c.m.s., associate prof. Asanova G.K.

