



ОҢТҮСТІК ҚАЗАҚСТАН MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ		 SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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Syllabus
Working curriculum of the discipline "Geriatrics in GP practice»
Educational program "6B10101 - General Medicine"

1.	General information about the discipline		
1.1	Discipline code:OVP 7301-4	1.6	Academic year: 2024-2025
1.2	Name of the discipline: «Geriatrics in GP practice»	1.7	Course: 7
1.3	Prerequisites: Outpatient therapy, Outpatient cardiology	1.8	Semester: 13-14
1.4	Postrequisites:residency in family medicine, general surgery, oncology, obstetrics and gynecology	1.9	Number of credits (ECTS): 3
1.5	Cycle: MD (major discipline)	1.10	Component: CC (component of choice)
2.	Description of the discipline (maximum 50 words)		
Senile asthenia syndrome, definition, clinic, diagnosis, treatment the main geriatric syndromes: falls, sarcopenia, osteoporosis, malnourishment syndrome, functional dependence, depression, dementia, urinary incontinence, sleep disorders, polypragmasia, pain syndrome, sensory deficits. Comprehensive geriatric assessment. Assessment of the safety of medicines for elderly patients. Management of elderly patients with cardiovascular diseases and senile asthenia syndrome. Management of elderly patients with functional disorders (low mobility, cognitively impaired). Management of patients with falls. Management of elderly patients with malnourishment syndrome.			
3.	Summative assessment form		
3.1	Testing+	3.5	Coursework
3.2	Writing	3.6	Essay
3.3	Oral +	3.7	Project
3.2	OSCE+	3.8	Other (specify)
4	Objectives of the discipline		
To prepare a specialist general practitioner (family doctor) who possesses the required amount of knowledge, practical and communication skills for successful work in the PHC system: interns acquire theoretical knowledge and improve professional skills necessary to provide qualified medical care and geriatric rehabilitation to elderly and senile people on an outpatient basis and at home, in decommissioning for the most common diseases of the internal organs in accordance with modern principles of evidence-based medicine.			
5.	Final learning outcomes (LO of the discipline)		
LO 1	Recommends an examination plan and uses the results of a clinical and laboratory instrumental examination of the patient to substantiate the diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the participation of the patient;		
LO 2	Knows the principles of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the volume of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients in accordance with the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;		


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LO 3	He is able to form judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;				
LO 4	He is able to apply information technologies in healthcare, knows the principles of the introduction of CSHI, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.				
LO 5	Effectively communicates in medical practice, taking into account the peculiarities of the psychology of patients, multiculturalism, observing the principles of medical ethics and deontology				
1	LO discipline	Learning outcomes of the EP, which are associated with the discipline LO			
	LO 1	LO 5. Develops a plan for laboratory and instrumental examinations of patients with the most common diseases of childhood and adulthood in accordance with current clinical recommendations, interprets their results and formulates a diagnosis according to ICD-10 when the disease is detected; LO 10. Organizes medical and social assistance, conducts preventive and wellness activities among the population;			
	LO 2	LO 4. Practice outpatient admission, diagnosis, treatment, dynamic monitoring and rehabilitation of children and adults, including pregnant women			
	LO 3	LO 8. Evaluates the clinical condition, levels of functional organ failure, complication of the disease requiring emergency care and determination of indications for hospitalization;			
	LO 4	LO 7. Effectively uses information technologies in healthcare and knows the principles of implementing compulsory social health insurance; LO 9. Applies electronic databases of the healthcare system of the Republic of Kazakhstan, providing documentation of the processes of providing medical services;			
	LO 5	LO 3. Plans continuous personal and professional growth to improve the quality of medical care based on self-assessment, self-education and lifelong learning;			
	6.	Detailed information about the discipline			
6.1	Venue (building, auditorium): Location of the department: Shymkent, 4 mkr., Balapan-ata str. 22/1, Medical center "Ai-nury" Shymkent, Abai district, mkr. Samal-3 GKP No.6; E-mail address: kvop3@mail.ru If you have any questions about training and/or technical support, please contact us by phone and/or email indicated on the YUKMA JSC website in the CALL-Center section, Helpdesk on the main page of the site.				
6.2	Number of hours	Lectures	Practical les.	Lab. Les.	SUGT/IWS
		-	30	-	9/51
7.	Information about teachers				
№	Full name	Degrees and Position		Email address	
1	Ospanov Kadyr Eskermesovich	Head of the Department, PhD, Associate Professor		ospanov-kadyr@mail.ru	
2	Dzhakipbekova Zulpiya Kamitbekovna,	PhD, Associate Professor		zdzhakipbekova@mail.ru	
3	Baymakova Gulnur Shulenovna	assistant		gulnur baimakova@mail.ru	


4	Onlasbekova Gulzhanat Makhsatbekovna	assistant			onlasbekova7979@mail.ru	
5	Oralbek Aizhan Oralbekovna	assistant-magistr			oralbek.ayzhan@mail.ru	
8.	Thematic plan					
Week / Day	Topic Title	Summary	LO discipline	Number of hours	Methods/ learning technologies	Forms/methods of assessment
1	Practical lesson: COPD in the elderly and senile Geriatric rehabilitation. Features of manifestations of lesions of the respiratory system in this category of patients with Covid-19	Features of the COPD clinic in elderly and senile people with bronchial asthma. Features of treatment/ management of patients in PHC conditions. Clinic Features Pneumonia in this category with Covid-19	PO 1- PO 5	5	Individual work, oral interview, work in small groups	Testing, solving situational problems, analyzing the clinical situation and/or clinical analysis of thematic patients//check lists of the listed forms
	SUGT.Consultation on the implementation of IWS. IWS Task: Fundamentals of Geriatric Care Organization (Orders). General Issues of Geriatrics	Modern trends in the organization and management of the quality of geriatric care. Age structure of the population. Aging and diseases, diagnostic features in old and senile age	LO 1 LO 4	1/6	Working with literature and electronic databases, outpatient admission of patients, maintaining medical records	Presentation, magazine club, assessment of the intern's work in the clinic, assessment of the medical history, reception of practical skills//checklists of all forms

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2	<p>Practical lesson. Arterial hypertension in the elderly and senile age. Peculiarities of treatment in men and women. Geriatric rehabilitation. Features of the course of hypertension in patients with Covid-19.</p>	<p>Clinical features of hypertension in elderly and senile individuals. Features of treatment/management of elderly and senile patients in primary health care settings. Features of the treatment of hypertension in patients with Covid-19.</p>	<p>LO 1 LO 5</p>	5	<p>Individual work, oral interview, small group work, standardized patient</p>	<p>Testing, solving situational problems, analysis of the clinical situation and/or clinical analysis of thematic patients, methodological recommendation of the joint venture</p>
	<p>SUGT. Hypertensive crises in the elderly and senile people</p>	<p>Clinical features of hypertensive crises in elderly and senile people. Treatment features depending on comorbidity with hypertension: prostate adenomas, menopause climacteric KMP, KhNMK</p>	<p>LO 3</p>	1/6	<p>Working with literature and electronic databases, outpatient admission of patients, maintaining medical records Analysis of scientific articles</p>	<p>Presentation, magazine club (checklist), assessment of the intern's work in the clinic (checklist), assessment of the medical history (checklist), reception of practical skills Checklist: Analysis of scientific articles</p>
3	<p>Practical lesson. Problems of coronary heart disease and rhythm disorders in geriatrics.</p>	<p>Frequent forms of coronary heart disease in elderly and senile patients, features of pharmacotherapy.</p>	<p>LO 2 LO 3 LO 5</p>	4	<p>Individual work, oral interview, work in small groups</p>	<p>Testing, solving situational problems, analysis of the clinical situation (checklist), clinical analysis of thematic patients</p>
	<p>SUGT/IWS IWS task: The most common rhythm disturbances associated with</p>	<p>Diagnostic criteria for stable coronary heart disease. Laboratory and instrumental research methods and</p>	<p>LO 2 LO 3 LO 5</p>	2/6	<p>Working with literature and electronic databases, outpatient</p>	<p>Presentation, magazine club (checklist), assessment of the intern's work in the</p>

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	coronary heart disease.	interpretation of research results. ECG diagnosis of coronary heart disease. Bicycle ergometry, treadmill, functional load tests. Definition of functional classes of CBS. Treatment. Dynamic observation. Filling out accounting and reporting documents. Working with KMIS. Effective communication with patients and colleagues			admission of patients, maintaining medical records	clinic (checklist), assessment of the medical history (checklist), reception of practical skills
4	Practical lesson. CHF and AHF (ALVF, ARVF) in the elderly and senile.	CHF with systolic and diastolic dysfunction, their causes (in the nosounit). Features of drug therapy in the elderly.	LO 2 LO 5 LO 6	4	Individual work, oral interview, work in small groups	Testing, solving situational problems, analysis of the clinical situation (checklist), clinical analysis of thematic patients
	SUGT/IWS IWS task: Features of geriatric rehabilitation of elderly and senile patients with CHF in primary health care and hospice settings. Clinical features and treatment tactics for CHF in patients who have had Covid-19. Border control 1	Features of the clinical picture of CHF in elderly and old people. Problems of congestion: cardiac liver fibrosis, congestive and hypodynamic pneumonia, congestive nephropathy, enteropathy and encephalopathy. The importance of non-drug rehabilitation methods The control includes the content of the topic of practical classes and IWS 1-4.	LO 3 LO 4 LO 6	2/6	Working with literature and electronic databases	Testing
5	Practical lesson. Geriatric aspects in gastroenterology	Features of management in case of gastric ulcer, 12 subcutaneous and	LO 1 LO 2 LO 5	4	Individual work, oral interview,	Testing, solving situational problems,

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	<p>gy and dietetics. Peculiarities of management of elderly and senile patients suffering from kidney diseases.</p>	<p>chronic gastritis, pancreatitis, cholecystitis, hepatitis and cirrhosis of the liver, colitis.</p> <p>Features of the clinical picture and treatment of CKD in the elderly and senile age:</p> <ul style="list-style-type: none"> - hypertension, proteinuria, nephropathy, primary renal scarring; - Diabetes, diabetic nephropathy and glomerulosclerosis - pathology of the prostate gland - UTI 			work in small groups	analysis of the clinical situation (checklist), clinical analysis of thematic patients
	<p>SUGT. Consultation on the implementation of IWS.</p> <p>IWS task:</p> <p>Other local and general somatic syndromes in geriatric gastroenterology.</p> <p>Chronic renal failure in the elderly and senile age</p>	<p>Knowledge of the clinic and treatment of the listed nosologies. Knowledge of the frequency of paroxysms, heart failure, and cardiac arrest, depending on the trimester. Issues of organizing consultations in primary health care, in maternity hospitals of the third level; telemedicine; as well as the organization of hospitalization of pregnant women in centers in Astana, Almaty</p>	LO 2 LO 5	1/7	Working with literature and electronic databases	Checklist: testing
6	<p>Practical lesson.</p> <p>Endocrine and metabolic disorders in old and senile age. Geriatric rehabilitation.</p>	<p>Diabetes mellitus, hypothyroidism and hyperthyroidism (with different nosologies) in the elderly and senile age.</p>	LO 2 LO 5	4	Individual work, oral interview, work in small groups	Testing, solving situational problems, analysis of the clinical situation (checklist), clinical analysis of thematic patients

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	SUGT. Endocrine pathology in the elderly and senile age. Hematology issues in geriatrics.	Features of treatment /management of patients with endocrine pathology in PHC conditions: hypocorticism and hypercorticism (with different nosologies) in the elderly and senile age.	LO 2 LO 5	1/7	Working with literature and electronic databases, outpatient admission of patients, maintaining medical records	Presentation, magazine club (checklist), assessment of the intern's work in the clinic (checklist), assessment of the medical history (checklist), reception of practical skills
7	Practical lesson. Bone and joint syndrome in the elderly and senile age.	Osteoporosis, RA, gout, OA and degenerative-dystrophic changes of the spine in old age and senility.	LO 2 LO 5	4	Individual work, oral interview, work in small groups	Testing, solving situational problems, analysis of the clinical situation (checklist), clinical analysis of thematic patients
	SUGT.Consultation on the implementation of IWS. IWS task: Chronic pain syndrome and ways to overcome it Border control 2	Pain as a medical and social problem. Terminology and classification of pain. The mechanism of formation of chronic pain syndrome. Algorithm of clinical examination of the patient and indications for consultations of narrow specialists of patients with geriatric problems. Control includes the content of the topic of practical classes and IWS 5-7	LO 1- LO 5	1/7	Working with literature and electronic databases Analysis of scientific articles	Testing Checklist: Analysis of scientific articles

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	Подготовка и проведение промежуточной аттестации		12 часов		
9.	Teaching methods and control forms				
9.1	Lectures	-			
9.2	Practical classes	Individual work, oral interview, small group work, situational problem solving, clinical situation analysis, standardized patient, clinical analysis of thematic patients			
9.3	IWS/SUGT	SUGT: Work in the department of GP: outpatient admission of patients, work in a day hospital and a hospital at home, development of a plan of diagnostic and therapeutic and preventive measures, dynamic monitoring, interpretation of the results of diagnostic studies, work with KIIS, work in screening departments, in functional rooms. Labor expertise. Practicing practical skills in the CPN; speaking at scientific conferences, participating in the work of the medical advisory commission, participating in activities to promote a healthy lifestyle, participating in the rehabilitation of patients with socially significant diseases, forming a portfolio/ PF SUGT: Science-based Learning - RBL			
9.4	Border control	Testing			
10.	Evaluation criteria				
10.1	Criteria for assessing the learning outcomes of the discipline				
№ LO	Name of learning outcomes	Unsatisfactory	Satisfactorily	Fine	Great
LO1	Recommends an examination plan and uses the results of a clinical and laboratory instrumental examination of the patient to substantiate the diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the participation of the patient;	He does not know how to recommend an examination plan and does not know how to use the results of a clinical and laboratory instrumental examination of a patient to substantiate a diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the participation of the patient;	Does not fully recommend an examination plan and does not know how to use the results of clinical and laboratory-instrumental examination of the patient to substantiate the diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the participation of the patient;	Recommends an examination plan and omits errors when using the results of clinical and laboratory instrumental examination of the patient to substantiate the diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the participation of the patient;	He fully owns the recommended examination plan and uses the results of clinical and laboratory-instrumental examination of the patient to substantiate the diagnosis and draw up a treatment plan, a medical examination plan, and rehabilitation with the

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					participation of the patient;
PO 2	Knows the principles of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the volume of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients in accordance with the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;	Does not know the principles of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the volume of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients according to the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;	Does not fully know the principles of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the scope of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients according to the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;	Makes mistakes in the principle of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the volume of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients in accordance with the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;	Makes mistakes in the principle of diagnosis and treatment, prevention of diseases of the internal organs of adults and adolescents, the volume of rehabilitation measures according to the clinical protocols of diagnosis and treatment of the Ministry of Health of the Republic of Kazakhstan and from the standpoint of evidence-based medicine; examination of temporary and permanent disability of patients in accordance with the normative legal acts of the Ministry of Health of the Republic of Kazakhstan;
PO3	He is able to form	He is unable to	He is not fully	Makes mistakes in	He is fully

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	judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;	form judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;	capable of forming judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;	forming judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;	capable of forming judgments: to provide emergency and emergency qualified medical care to patients of the basic category of complexity in the volume of primary medical care at the prehospital stage in common emergency conditions;
PO4	He is able to apply information technologies in healthcare, knows the principles of the introduction of CSHI, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.	He is not able to apply information technologies in healthcare, knows the principles of the introduction of CSHI, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.	He is not fully capable of applying information technologies in healthcare, knows the principles of implementing CSHI, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.	He makes mistakes in the application of information technology in healthcare, knows the principles of SMS implementation, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.	He is fully capable of applying information technologies in healthcare, knows the principles of implementing CSHI, applies scientific principles, methods and knowledge in medical practice and research, introduces new methods into clinical practice.
PO5	Effectively communicates in medical practice, taking into account	He does not communicate effectively in medical practice,	He does not fully communicate in medical practice, taking into	He makes mistakes while effectively communicating in medical practice,	He is fully proficient and communicates effectively in

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	the peculiarities of the psychology of patients, multiculturalism, observing the principles of medical ethics and deontology	taking into account the peculiarities of the psychology of patients, multiculturalism, observing the principles of medical ethics and deontology	account the peculiarities of the psychology of patients, multiculturalism , observing the principles of medical ethics and deontology	taking into account the peculiarities of the psychology of patients, multiculturalism, observing the principles of medical ethics and deontology	medical practice, taking into account the peculiarities of the psychology of patients, multiculturalism, observing the principles of medical ethics and deontology
10.2	Methods and criteria for evaluation				
Checklist for practical lesson					
Knowledge Assessment Criteria Checklistassessment interview/oral survey					
Form of control		Grade	Evaluation criteria		
Oral response/ assessment interview		Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	The intern has mastered all the tasks specified in the syllabus, the answers are complete and based on the main literature; knows the regulatory documents (orders, clinical protocols) on the topic; conducts an examination of working capacity and determines indications for hospital and hospital-replacing technology; has mastered the prevention of emergency situations on this topic and the provision of assistance in them; is capable of continuous self-education and development; knows psychological problems. The intern did not make any mistakes or inaccuracies during the answer. He is familiar with the theories, concepts and directions of the studied discipline and gives them a critical assessment, uses scientific achievements of other disciplines.		
		Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	The intern has mastered all the tasks specified in the syllabus, the answers are complete and based on the main literature; knows the regulatory documents (orders, clinical protocols) on the topic; conducts an examination of working capacity and determines indications for hospital and hospital-replacing technology; has mastered the prevention of emergency situations on this topic and the provision of assistance in them; is capable of continuous self-education and development; knows psychological problems. The intern did not make any serious mistakes during his answer, made minor inaccuracies or major mistakes that were corrected by the student himself, and was able to systematize the program material with the help of the		

		teacher.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	The intern made inaccuracies and minor mistakes during his answer, limited himself to the textbooks specified by the teacher, and experienced great difficulty in systematizing the material. The intern has not fully mastered the tasks specified in the syllabus; the answers are incomplete; does not fully know the regulatory documents (orders, clinical protocols); cannot conduct an examination of working capacity and determine indications for hospital and hospital-replacing technology; is not oriented in the prevention of emergency situations on this topic and the provision of assistance in them; does not strive for continuous self-education and development.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	The intern made fundamental mistakes during the answer, did not study the main literature on the topic of the lesson; does not know how to use the scientific terminology of the discipline, answers with gross stylistic errors.

Checklist for completing test tasks		
Form of control	Grade	Evaluation criteria
Выполнение тестовых заданий	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	90 – 100 % correct answers
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	70 – 89 % correct answers
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	50 – 69 % correct answers
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%)	Less than 50 % of the correct answers

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	F(0; 0 - 24%)	
Checklist for the preparation of thematic messages, magazine club in the form of presentations		
Form of control	Grade	Evaluation criteria
Презентация темы	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	The presentation was made independently, at the appointed time, with a volume of at least 20 slides. At least 5 literary sources have been used. The slides are informative and concise. During the defense, the author demonstrates in-depth knowledge of the topic. Does not make mistakes when answering questions during the discussion.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	The presentation was made independently, at the appointed time, with a volume of at least 20 slides. At least 5 literary sources have been used. The slides are informative and concise. During the defense, the author demonstrates good knowledge of the topic. He makes unprincipled mistakes when answering questions that he corrects himself.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	The presentation was made independently, at the appointed time, with a volume of at least 20 slides. At least 5 literary sources have been used. The slides are not meaningful. During the defense, the author makes unprincipled mistakes when answering questions.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	The presentation was not delivered on time, the volume is less than 20 slides. Less than 5 literary sources have been used. The slides are not meaningful. During the defense, the author makes gross mistakes when answering questions. He does not know his own material.
Checklist for working in small groups		
Form of control	Grade	Evaluation criteria
Работа в малых группах	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	He actively participated in the work of small groups, showed original thinking, showed deep knowledge of the material, and used scientific achievements of other disciplines in the discussion.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	He actively participated in the work of small groups, showed knowledge of the material, made unprincipled inaccuracies or fundamental errors corrected by the student himself.
	Satisfactorily	When working in a small group, he was passive, made

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	Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	inaccuracies and unprincipled mistakes, and had great difficulties in systematizing the material.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	He did not participate in the work of small groups, answering the teacher's questions, made fundamental mistakes and inaccuracies, and did not use scientific terminology in his answers.


Checklist for solving situational problems

Form of control	Grade	Evaluation criteria
Preparation and solution of situational tasks	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	There were no mistakes in solving situational problems, he showed original thinking, showed deep knowledge of the material, used clinical protocols of the Ministry of Health of the Republic of Kazakhstan in the discussion.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	There were mistakes in solving situational problems, showed knowledge of the material, made unprincipled inaccuracies or fundamental errors corrected by the student himself.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	There were mistakes in solving situational problems, he made inaccuracies and unprincipled mistakes, and had great difficulties in systematizing the material.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	He did not solve situational problems by answering the teacher's questions, made fundamental mistakes and inaccuracies, and did not use scientific terminology in his answers.

The checklist for the SRIP

Checklist of clinical analysis of thematic patients


Form of control	Grade	Evaluation criteria
Clinical analysis and discussion of thematic patients	Great Corresponds to ratings: A (4.0; 95 - 100%)	The intern actively participated in the clinical analysis of thematic patients, showed original thinking, showed deep knowledge of the material, and used scientific achievements of other disciplines in the discussion.

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	A- (3.67; 90 - 94%)	
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	The intern actively participated in the clinical analysis of thematic patients, showed knowledge of the material, admitted unprincipled inaccuracies or fundamental errors corrected by the student himself.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	During the clinical analysis of thematic patients, the intern was passive, made inaccuracies and unprincipled mistakes, and had great difficulties in systematizing the material.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	The intern did not participate in the clinical analysis of thematic patients, answering the teacher's questions, made fundamental mistakes and inaccuracies, and did not use scientific terminology in the answers.

Check-list of outpatient admission of patients, maintenance of medical documentation

Form of control	Grade	Evaluation criteria
Амбулаторный прием пациентов	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	Active participation in the admission of outpatient patients. Active filling out of medical documentation. Active use of knowledge about orders and clinical protocols at the reception. Timely and correct completion of diaries.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	Good participation in the admission of outpatient patients. Filling out medical documentation. Good knowledge of orders and clinical protocols. Timely and correct completion of diaries.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	Inactive participation in the admission of outpatient patients. Inactive filling out of medical documentation. Incomplete use of knowledge about orders and clinical protocols at the reception. Late and incomplete completion of diaries.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%)	Rare participation in outpatient appointments of patients, frequent absence from appointments. Failure to complete medical documentation. Ignorance of clinical protocols and orders. Late and incorrect filling of diaries

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	F(0; 0 - 24%)	
Checklist for the analysis of scientific articles		
Form of control	Grade	Evaluation criteria
Checklist for the analysis of scientific articles	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	He actively participated in the analysis of scientific articles. At the same time, he showed original thinking, showed deep knowledge of the material, and used scientific achievements of other disciplines in the discussion.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	He actively participated in the analysis of scientific articles. He showed knowledge of the material, admitted unprincipled inaccuracies or fundamental errors corrected by the student himself.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	When analyzing scientific articles in the group, he was passive, made inaccuracies and unprincipled mistakes, and had great difficulties in systematizing the material.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	He did not participate in the analysis of scientific articles, answering questions from the teacher, made fundamental mistakes and inaccuracies, did not use scientific terminology in his answers.
Check-list of border control		
Form of control	Grade	Evaluation criteria
Testing	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	It is put in the event that the intern did not make any mistakes or inaccuracies during the response. He is guided by theories, concepts and directions in the studied discipline and gives them a critical assessment, uses scientific achievements of other disciplines. 90 – 100 % correct answers on the tests
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	It is put in the event that the intern did not make gross mistakes during the response, made unprincipled inaccuracies or fundamental errors corrected by the student himself, managed to systematize the program material with the help of the teacher. 70 – 89 % correct answers on tests
	Satisfactorily Corresponds to	It is posed if the intern made inaccuracies and unprincipled mistakes during the response, limited

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	ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	himself only to the educational literature indicated by the teacher, and experienced great difficulties in systematizing the material. 50 – 69 % correct answers on tests
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	It is put in the event that the intern made fundamental mistakes during the response, did not work out the main literature on the topic of the lesson; does not know how to use the scientific terminology of the discipline, answers with gross stylistic and logical errors. Less than 50 % of the correct answers on the tests

Intermediate certification

Checklist of practical skills admission

Form of control	Grade	Evaluation criteria
The reception of practical skills	Great Corresponds to ratings: A (4.0; 95 - 100%) A- (3.67; 90 - 94%)	He performed the practical work correctly, showed deep knowledge of the equipment and modern methods of physiological research. Presented a full report on the practical work.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	He performed the practical work correctly, showed good knowledge of the equipment and modern methods of physiological research. There are unprincipled errors and inaccuracies in the report.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	I did the practical work correctly, resorted to the help of a teacher. There are fundamental errors and inaccuracies in the report.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	I was poorly oriented when doing practical work. Completed untimely. The report contains fundamental inaccuracies and gross errors.

Check list of oral exam tickets

Form of control	Grade	Evaluation criteria
Oral answer (1,2 questions)	Great Corresponds to ratings: A (4.0; 95 - 100%)	The intern did not make any mistakes or inaccuracies during the response. He is guided by theories, concepts and directions in the studied discipline and gives them a critical assessment, uses scientific achievements of other


Solving situational problems (question 3)	A- (3.67; 90 - 94%)	disciplines; He actively responded, showed original thinking, showed deep knowledge of the material, and used scientific achievements of other disciplines in the discussion.
	Fine Corresponds to ratings: B+ (3.33; 85 - 89%) B (3.0; 80 - 84%) B- (2.67; 75 - 79%) C+ (2.33; 70 - 74%)	The intern did not make gross mistakes during the response, made unprincipled inaccuracies or fundamental errors corrected by the student himself, managed to systematize the program material with the help of the teacher; He actively answered, showed knowledge of the material, admitted unprincipled inaccuracies or fundamental errors corrected by the student himself. disciplines.
	Satisfactorily Corresponds to ratings: C (2.0; 65 - 69%) C- (1.67; 60 - 64%) D+ (1.33; 55-59%) D- (1.0; 50-54%)	The intern made inaccuracies and unprincipled mistakes during the response, limited himself only to the educational literature indicated by the teacher, and experienced great difficulties in systematizing the material; When answering, he made inaccuracies and unprincipled mistakes, and experienced great difficulties in systematizing the material.
	Unsatisfactory Corresponds to the rating: FX (0; 0 - 49%) F(0; 0 - 24%)	The intern made fundamental mistakes during the response, does not know how to use the scientific terminology of the discipline, answers with gross errors; There is no answer, answering additional questions from the teacher, he made fundamental mistakes and inaccuracies, does not understand scientific terminology

Multi-point system of knowledge assessment


Letter Grading	Digital equivalent of points	Percentage content	Traditional system assessment
A	4,0	95-100	Great
A -	3,67	90-94	
B +	3,33	85-89	Fine
B	3,0	80-84	
B -	2,67	75-79	
C +	2,33	70-74	
C	2,0	65-69	Satisfactorily
C -	1,67	60-64	
D+	1,33	55-59	
D-	1,0	50-54	
FX	0,5	25-49	Unsatisfactory
F	0	0-24	

11. Educational resources


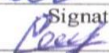
Literature	1. Baimukhamedov Ch. T. Rheumatoid arthritis: diagnosis. Illustrious teaching post for the doctor: Rheumatology in diseases and schemes / Ch. t. Baimukhamedov. - Almaty: health of Kazakhstan,
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	<p>2019. - 212с.</p> <p>2. Aituganova A. T. Diagnostics and treatment of diseases of organs of Veterinary Medicine : A. T. Aituganova. - 2-e ISD. - Karaganda: AKNUR, 2019. - 280 P</p> <p>3. Imangazinova S. S. diagnostics and treatment of diseases of the organs of health : teaching post / Imangazinova S. S. - 2-e ISD. - Karaganda: AKNUR, 2019. - 280 P</p> <p>4. Internal causes. Gastroenterology module: textbook = Intrennie bolezni. Module gastroenterology: учебник / E. M. Laryushina. - M. : "Litterra", 2016. - 384 p.p.</p> <p>5. Kalieva, Sh. S. Clinical Pharmacology and rational pharmacotherapy. Volume 1: учебник / sh.s. Kalieva. "I Don't Know," She Said . - Almaty: Evero, 2016 . - 460 P.</p> <p>6. Internal Medicine. Gastroenterology module: textbook = Intrennie bolezni. Module gastroenterology: учебник / E. M. Laryushina. - M. : "Litterra", 2016. - 384 p.p.</p> <p>7. Internal Medicine: Hematology module :textbook = Internal Medicine: Hematology module : учебник / L. G. Turgunova. - M. : "Litterra", 2016. - 240 P. s</p> <p>Electronic resource:</p> <p>1. Module of the cardiovascular system of the heart [electronic resource]: textbook = module. The main purpose of the event is to promote the development of the Kazakh language. - Electron. text from. (1.42 MB).- M.: GEOTAR-media, 2014. - 344 pages. El. opt. disc (CD-ROM).</p> <p>2. Internal diseases vol. 1 ,2 [electronic resource] : учебник / pod Ed. "What's The Matter?" - 3-e ISD., ISPR. and the ball. - Electron. text from. (45.1 MB). - M.: GEOTAR-media, 2015. - 895 P.</p> <p>3. Makolkin, V. I. Internal Medicine [electronic resource]: textbook / V. I. Makolkin, S. I. Ovcharenko, V. A. Sulimov; Kaz. language. AUD. K. A. Zhamankulov. - 6-head., Ed. and full. Electron. text from. (1.42 MB). - M.: GEOTAR-media, 2014. - 976 pages. El. opt. disc (CD-ROM).</p>
Electronic textbooks	<p>A doctor's consultant. Outpatient outpatient therapy. General medical practice. Version 1. 1 [Electronic resource] : manual. - The electron.text data. (83.6 Mb). - Moscow : GEOTAR - Media, 2006. - electronic opt.disc (CD-ROM). - 27105.00 Tenge. Zhalpa darigerlik practice. Ulttyk nuskaulyk. 2 vol. t. 2 [Electronic resource] : textbook / ed. by I. N. Denisov ; kaztiline aud. by K. A. Alikhanov. - The electron.text data. (84.0Mb). - Moscow : GEOTAR - Media, 2016. - 896 bet.e. wholesale. disc (CD-ROM).</p> <p>Zhalpa darigerlik practice. Ulttyk nuskaulyk. 2 vol. T1. [Electronic resource] : okulyk / ed. by I. N. Denisov ; kaz.tiline aud. by K. A. Alikhanov. - The electron.text data. (110Mb). - Moscow : GEOTAR - Media, 2016. - 992 bet.e. wholesale. disc (CD-ROM).</p> <p>Polyclinic therapy [Electronic resource] : textbook / G. I. Storozhakov, I. I. Chukaeva, A. A. Alexandrov. - The electron.text data. (37.6 Mb). - M. : Publishing house of the GEOTAR-Media group, 2009. - 704 p. e. wholesale.CD-ROM. - (Electronic textbook).</p> <p>A doctor's consultant. Intensive care. Version</p> <p>1.1. The full electronic version of the National Intensive Care Manual in 2 volumes. Standards of medical care. Pharmacological reference book. Medical calculators. Norms of laboratory and instrumental indicators. Online resources.</p>
12.	Discipline Policy
	<p>Intern must:</p> <p>1) comply with medical ethics and deontology;</p> <p>2) observe subordination;</p> <p>3) be tolerant, open and friendly towards fellow students and teachers;</p>

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4) do not smoke in the academy; 5) maintain cleanliness in the department; 6) do not damage furniture in classrooms; 7) treat textbooks with care; 8) maintain the appearance of a medical student; 9) comply with safety regulations; 10) During the epidemic, the group must wear masks; 11) maintain silence and order during breaks.			
In a case of non-compliance with the requirements of inters, punitive measures are applied: 1) in case of late submission of the IWI without good reason (later than the specified week) IWI is not accepted; 2) for a single violation of the discipline policy internal warning is given; 3) in case of systematic violation of the discipline policy, information about the behavior of the intern is transferred to the faculty dean's office.			
13. Academic policy based on the moral and ethical values of the academy			
13.1	Academic Policy. Section 4. Student Honor Code		
13.2	GRADING POLICY 1. Several forms of knowledge control are used in the lesson. The average grade is entered in the journal. 2. An intern who does not achieve a passing score (50%) in one of the types of tests (current test, midterm test No. 1 and/or No. 2) is not allowed to take the exam in the discipline. 3. The final rating for admission to the exam in the discipline must be at least 50 points (60%), which is calculated automatically based on the average grade of the current control (40%) + the average grade of the final controls (20%). 4. Interim certification is carried out in two stages: acceptance of practical skills using the OSCE method and testing.		
14. Согласования, утверждение и пересмотр:			
Date of approval with the library and Information Center	Protocol № <u>9</u> <i>14.06.24</i>	The head of the BIC is R.I. Darbicheva.	Signature 
Date of approval at the department	Protocol № <u>11</u> <i>12.06.24</i>	Head of the Department K.E. Ospanov.	Signature 
Date of approval for the AK OP	Protocol № <u>11</u> <i>14.06.24</i>	Chairman of the COP Kalmenov N.J.	Signature 