

«SOUTH KAZAKHSTAN MEDICAL ACADEMY» J-SC


«APPROVED»
RECTOR OF SKMA, PROFESSOR
M. RYSBEKOV
2024









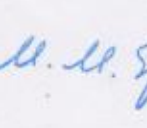
SOUTH KAZAKHSTAN
MEDICAL
ACADEMY


RESIDENTURE EDUCATIONAL PROGRAM
7R01139 « THERAPY »

Shymkent

ONTÜSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ		SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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The residency educational program "Therapy" was developed on the basis of the order of the Minister of Health of the Republic of Kazakhstan dated January 25, 2024 No. 46 "On the approval of professional standards in the field of healthcare."

Position	Full Name	Signature
Developed		
Teaching staff of the Department of Family Medicine		
Head of Department, Associate Professor, Ph.D.	Kauzybay Zh.A.	
Candidate of Medical Sciences, Acting Associate Professor	Temirkulova Sh.A.	
Practical healthcare representative Chief physician of State Hospital No. 13	Moldybaeva A.K	
Resident of the RE " Therapy "	Temirkhan A.N.	
Minutes of the department meeting Protocol No. <u>6</u> from « <u>15</u> » « <u>01</u> » 2024		
Discussed at a meeting of the CRE Programs Chairman of the CRE Protocol No. <u>5</u> from « <u>26</u> » « <u>01</u> » 2024	Kauzybay Zh.A.	
Approved by the Clinical Council Chairman of the Clinical Council Protocol No. <u>8</u> from 29.01.2024	Kauzybay Zh.A.	
Agreed by the First Vice-Rector of JSC SKMA, First Vice-Rector of JSC SKMA Protocol No. _____ from 30.01.2024	Esirkepov M.M.	
Approved by the Academic Council Protocol No. <u>14</u> from « <u>31</u> » « <u>01</u> » 2024		

ОҢТҮСТІК-ҚАЗАҚСТАН MEDISINA АКАДЕМИЯСЫ «Оңтүстік Қазақстан медицина академиясы» АҚ		SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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Educational program passport

The mission of the educational program To be recognized as a leader in the field of training highly qualified, competitive internists.

The purpose of the educational program: Training of qualified, competitive doctors with a system of universal professional competencies, capable of conducting self-therapeutic care, including emergency care, to the population regardless of age and gender.

3. Justification for the OP

Medical education is a flexible education system focused on the needs of society and scientific achievements. A doctor's training takes place throughout his life, so it is important to create a strong foundation for the accumulation of knowledge and experience.

The relevance of the "Therapy" program is associated with the reform and modernization of healthcare against the backdrop of the intensive development of biomedical sciences, the introduction of new high-tech diagnostic and treatment methods, and the detection of many diseases at the preclinical stage of their development. This expansion of the scope of activity of a general practitioner, the growth of his professional competence and qualifications requires special training in the framework of the correct interpretation of modern and new methods of diagnosis and preventive treatment using data from evidence-based medicine.

4. Professional standard on the basis of which the educational program was developed.

1. Order of the Minister of Health of the Republic of Kazakhstan dated January 25, 2024 No. 46 "On approval of professional standards in the field of healthcare.

2. "Regulations on the procedure and procedures for the development of educational programs" JSC "YUKMA" from 05.29.2019.


3. Internal regulatory documents of JSC "SKMA"

5. Area of professional activity. organization of health management;

- organization of education;
- organization of social protection;
- patients in need of primary health care;
- a set of tools and technologies aimed at creating conditions for providing care to patients


6. Objects of professional activity.

- therapeutic, preventive and diagnostic;
- organizational and managerial;
- research

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General information

№	Characteristics of the EP	Note
1	Registration number	
2	Code and classification of the field of education	7R01 Healthcare (medicine)
3	Code and classification of training areas	7R011 Healthcare
4	Group of educational programs	R039Therapy
5	Name of the educational program	7R01139 Therapy (residency)
6	Type of EP	Updated EP
7	ISCED level	7
8	NQL level	7
9	GQL level	7
10	Distinctive features of EP	No
	University partner (Joint EP)	No
	University partner (Undergraduate OP)	No
11	List of competencies	<p>CC1 Patient supervision: formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice in highly specialized medical care</p> <p>CC2 Communication and collaboration: interact effectively with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient</p> <p>CC3. Professionalism: assess risks and use the most effective methods to ensure a high level of safety and quality of highly specialized medical care.</p> <p>CC4. Public health: act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in their specialty, provide basic cardiac care in emergency situations, work as part of interprofessional teams to implement policies to improve the health of the nation</p> <p>CC5. Research: formulate adequate research questions, critically evaluate professional literature, effectively use international databases in their daily activities, participate in the work of a research team</p> <p>CC6. Training and development: learn independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development</p>


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12	Learning outcomes (SCSE 2022)	<p>LO1 able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of medical care for patients with diseases of a therapeutic profile</p> <p>LO2 able to effectively interact with the therapeutic patient, his environment, healthcare professionals in order to achieve the best results for the patient</p> <p>LO3 able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical therapeutic care.</p> <p>LO4 able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in the specialty "Therapy", provide basic and emergency care in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.</p> <p>LO5 able to formulate the most relevant research questions, critically evaluate professional and scientific literature, effectively use international medical databases in their daily activities, participate in the work of a research team</p> <p>LO6 able to learn independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development in the field of pathology of internal organs.</p>
13	Form of study	<i>Full time</i>
14	Language of study	<i>Kazakh and Russian</i>
15	Amount of credits	Total: 140credits
16	Awarded academic degree	Doctor-therapist
17	Availability of application to license for training	KZ22BFA00167288
18	Accreditation of the OP	<i>Have</i>
	Name of accreditation body	IAAR
	Duration of accreditation	№ AB3987 10.06.2022-09.06.2025
19	Information about the disciplines	<i>Appendix 1,2</i>

Appendix 1. 1

Matrix for correlating learning outcomes in the educational program as a whole with the competencies being developed

	LO1	LO 2	LO 3	LO4	LO5	LO6
CC1	+		+	+		

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CC2		+		+		+
CC3	+		+	+		
CC4		+		+		
CC5					+	+
CC6		+				+

Appendix 1. 2

Information about the disciplines

№	Name of the discipline	Brief description of the discipline (30-50 words)	Cycle	Component	The amount of credits	Generated learning results (codes)
		Cycle of profile disciplines <u>Required component</u>				
1	Ambulatory-clinic therapy	Organization of outpatient care for patients with a therapeutic profile. Fundamentals of management. Inpatient-replacement technologies in the conditions of a medical outpatient clinic. Examination of working capacity. Standards, Clinical protocols and clinical recommendations of medical communities on diseases of internal organs of the Republic of Kazakhstan.	PD	MC	46	LR-2 LR-3 LR-4
2	Hospital therapy	Indications for emergency and planned hospitalization of patients in a hospital. Formulation of the clinical diagnosis, according to ICD-10. Daily supervision of patients in hospitals of various therapeutic profiles (cardiology, pulmonology, Nephrology, gastroenterology, Hematology, intensive care	PD	MC	88	LR-1 LR-2 LR-3



		and intensive care units). Principles of treatment based on evidence-based medicine				
	Total				134	
1	Clinical electrocardiogra phy.	Fundamentals of heart electrophysiology. Methods of conducting and normative indicators of data of ECG in adults in all standard areas. Electrocardiographic diagnostics of ECG changes: myocardial infarction, myocardial ischemia, myocarditis, hypertrophy of various parts of the heart; acute and chronic rhythm and conduction disorders, pulmonary embolism, pericarditis, and electrolyte disorders.	PD	OC		LR-1 LR-6
2	Extragenital pathology.	Diagnosis and treatment of extragenital pathology in pregnant women: congenital and acquired heart defects, arterial hypertension, systemic connective tissue diseases, chronic kidney diseases, viral hepatitis and hepatosis, diabetes mellitus and thyroid pathology, iron- deficient and folic-B12- deficient anemia.	PD	OC	2	LR-1 LR-5
3	Nutritionology	Modern methods of assessing the nutritional status of patients. Alimentary- dependent diseases and conditions. Nutritional and metabolic correction of nutritional status in cardiovascular diseases. Alimentary factor in the prevention and treatment of	PD	OC		LR-1 LR-3



		diseases of the digestive system and blood system. Nutrition of children and pregnant women. Pathogenetic bases of diet therapy for allergoses and diseases of the musculoskeletal and urinary systems. Therapeutic nutrition for endocrine disorders				
4	Emergency conditions in the clinic of internal diseases	Diagnosis and treatment of emergency conditions in the clinic of internal diseases (hypertensive crises, acute coronary syndrome, acute violation of cerebral circulation, acute heart rhythm and conduction disorders, acute heart failure, asthmatic status, PE). Diagnostics, algorithms for emergency care and further tactics in the work of the therapist.	PD	OC		LR-2 LR-3 LR-4
5	Radiation diagnostic methods in therapy.	The main indications and possibilities for the diagnosis of radiation methods in the clinic of internal diseases: radiography, computed tomography, magnetic resonance imaging, ultrasound examination methods. The development of skills in "reading" the results from the tom studies. Clinical interpretation of the data obtained in various pathologies of internal organs.	PD	OC	2	LR-2 LR-5
TOTAL					138	

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	Final examination				2	
	SUMMARY				140	

Matrix for achieving LO using various teaching methods

LO (codes)	Learning and teaching methods
LO1 able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of medical care for patients with diseases of a therapeutic profile.	1. Work in the GP department and specialized offices 2. Participation in consultations 3. Duty
LO2 able to effectively interact with the therapeutic patient, his environment, healthcare professionals in order to achieve the best results for the patient.	1. Round table 2. Consilium 3. Discussions
LO3 able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical therapeutic care.	1. Oral interview 2. Discussions 3. Analysis of the clinical situation
LO4 able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in the specialty "Therapy", provide basic and emergency care in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.	1. Oral interview 2. Analysis of clinical protocols 3. Working with orders and documentation
LO5 able to formulate the most relevant research questions, critically evaluate professional and scientific literature, effectively use international medical databases in their daily activities, participate in the work of a research team	1. Reviewing scientific articles 2. "Magazine Club" 3. Writing theses and articles 4. Public speaking
LO6 able to learn independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development in the field of pathology of internal organs.	1. Working with electronic media and information technologies 2. Formation of a portfolio 3. Participation in international and national webinars, thematic conferences

Matrix of compliance of LO with assessment methods

LO (codes)	Assessment methods
LO1 able to formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at	1. 360-evaluation from a mentor, patient, medical staff (based on a checklist) 2. Checklist for portfolio assessment

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all levels of medical care for patients with diseases of a therapeutic profile	3. Duty checklist
LO2 able to effectively interact with the therapeutic patient, his environment, healthcare professionals in order to achieve the best results for the patient	1.360-evaluation from a mentor, patient, medical staff (based on a checklist)
LO3 able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical therapeutic care.	1. Checklist for assessing oral discussions 2. Checklist for assessing clinical situations
LO4,able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in the specialty "Therapy", provide basic and emergency care in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.	1. Checklist for assessing oral discussions
LO5 able to formulate the most relevant research questions, critically evaluate professional and scientific literature, effectively use international medical databases in their daily activities, participate in the work of a research team	1. Checklist for evaluating reviews of scientific articles 2. Publications
LO6 able to learn independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development in the field of pathology of internal organs.	1. Checklist for portfolio assessment 2. Checklist for evaluating reviews of scientific articles

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Cycle disciplines		Discipline code	Name of the discipline/ modules	Amount of credits	General hours	classroom	RIC		1 year of study	2 year of study	The form control	FE
							CPPH	RTIC				
PD		CYCLE OF PROFILING DISCIPLINES		134	4140							
PD	MC	Mandatory component		138	4020							
		R-ACT	Ambulatory-clinic therapy	46	1380	276	966	138	30	16	Exam	
		R-HT	Hospital therapy	88	2640	528	1848	264	40	48	Exam	
	OC	Optional component		4	120	24	84	12		4		
		R-RDM	Radiation diagnostic methods in therapy	2	60	12	42	6		2	Exam	
		R-ECCID	Emergency conditions in the clinic of internal diseases									
		R-CE	Clinical electrocardiography									
		RR- EP	Extragenital pathology	2	60	12	42	6		2	Exam	
		R-Nut	Nutritionology									
		TOTAL		138	4140	828	2691	621*				
IC		INTERMEDIATE CERTIFICATION										
FE		FINAL EXAMINATION		2	60				2		60	
TOTAL				140	4200	828	2691	621	70	70	60	