

ONTÜSTİK-KAZAĞSTAN
MEDISINA
AKADEMIASY
«Оңтүстік Қазақстан медицина академиясы» АҚ



SOUTH KAZAKHSTAN
MEDICAL
ACADEMY
АО «Южно-Казакхстанская медицинская академия»

Department of Family Medicine
Educational program "Family Medicine"

044-69/11
1 page of 17

«SOUTH KAZAKHSTAN MEDICAL ACADEMY» J-SC



PROFESSOR
M. RYSBEKOV
2022



SOUTH KAZAKHSTAN
MEDICAL
ACADEMY

RESIDENTURE EDUCATIONAL PROGRAM
7R01138 «FAMILY MEDICINE»

Shymkent

The educational residency program "Family Medicine" was developed on the basis of the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state compulsory standards and standard professional training programs in medical and pharmaceutical specialties" and proposals from all interested parties.

Position	Full Name	Signature
Developed		
Teaching staff of the Department of Family Medicine		
Head of Department, Associate Professor, Ph.D.	Kauzybay Zh.A.	
Master of Public Health, Department Assistant	Salkhozhaeva K.K.	
Practical healthcare representative Chief physician of State Hospital No. 13	Moldybaeva A.K.	
Resident of the RE "Family Medicine"	Begimkulova A.	
Minutes of the department meeting Protocol No. <u>110</u> from « <u>04</u> » « <u>08</u> » 20 <u>22</u>		
Discussed at a meeting of the CRE Programs Chairman of the CRE Protocol No. <u>50</u> from « <u>04</u> » « <u>08</u> » 20 <u>22</u>	Kauzybay Zh.A.	
Approved by the Clinical Council Chairman of the Clinical Council Protocol No. <u>50</u> from « <u>05</u> » « <u>08</u> » 20 <u>22</u>	Kauzybay Zh.A.	
Agreed by the First Vice-Rector of JSC SKMA, First Vice-Rector of JSC SKMA Protocol No. ___ from « <u>08</u> » « <u>08</u> » 20 <u>22</u>	Esirkepov M.M.	
Approved by the Academic Council Protocol No. <u>12</u> from « <u>08</u> » « <u>08</u> » 20 <u>22</u>		



Educational program passport

1. **The mission of the educational program** To be recognized as a leader in the field of training competitive family medicine doctors.
2. **The purpose of the educational program:** To prepare a highly qualified specialist – a family doctor who owns modern technologies of diagnosis, treatment and prevention, able to meet the needs of the patient, providing him with continuous comprehensive medical care.
3. **Objectives of the educational program:**
 - To form an extensive and deep volume of basic, fundamental medical knowledge that forms the professional competence of a doctor who is able to successfully solve his professional tasks
 - To form and improve the professional training of a medical specialist with clinical thinking, well-versed in the pathology of diseases of internal organs and having in-depth knowledge of related disciplines.
 - To prepare a specialist for independent professional treatment and diagnostic activity, who is able to conduct a differential diagnostic search, to provide full medical assistance.

General information

№	Field name	Note
1	Registration number	7R09100105
2	Code and classification of the field of education	7R01 Health (medicine)
3	Code and classification of training areas	7R011 Health
4	Group of educational programs	Family Medicine
5	Name of the educational program	Family Medicine (residency)
6	Type EP	
8	ISCED level	7
9	NQL level	7
10	GQL level	7
11	Distinctive features of EP	No
	University partner (Joint EP)	No
	University partner (Undergraduate OP)	No
12	List of competencies	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 CC2 Communication and collaboration: interact effectively with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient CC3. Professionalism: assess risks and use the most effective methods to ensure a high level of safety and quality of highly specialized medical care. CC4. Public health: act within the legal and organizational framework of the healthcare system of the

		<p>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>
13	Learning outcomes	<p>LO1 able to formulate a clinical diagnosis, prescribe a plan for treatment and prevention interventions and evaluate their effectiveness across the entire spectrum of diseases, taking into account the age, gender and problems of the patient based on evidence-based practice</p> <p>LO2 able to effectively interact with the patient, members of his family and the community in which he lives, with other professionals working in the primary level (social workers, psychologists and other employees in PHC institutions) 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 care during diagnostic and therapeutic interventions.</p> <p>LO4 able to act within the legal and organizational framework of health system of the Republic of Kazakhstan when carrying out diagnostic, therapeutic and preventive interventions in primary health care, provide basic assistance in emergency situations, work as part of interprofessional teams to implement the nation's health promotion policy</p> <p>LO5 able to formulate adequate research questions, critically evaluate special literature in the field of family medicine, effectively use international databases in their daily activities, participate in the work of the</p>

		research team. LO6_able to study independently and train other members of the professional team, to actively participate in discussions, conferences and other forms of continuous professional development in the field of family medicine.
14	Form of study	<i>Full time</i>
15	Language of study	<i>Kazakh and Russian</i>
16	Volume of credits	Total 140 credits Of them: 1. Theoretical training - 138credits 2. Final certification - 2 credits
17	Awarded academic degree/ Awarded qualification	Family Medicine Doctor
18	Availability of application to license for training	KZ36LAA000 11387
19	Accreditation of the OP	<i>Have</i>
	Name of accreditation body	<i>IAAR</i>
	Duration of accreditation	№ AB3988 10.06.2022г.-09.06.2027.
20	Information about the disciplines	<i>Appendix 1,2</i>

Appendix 1. 2

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

Appendix 1. 2

Information about the disciplines

№	Name of the discipline	Brief description of the discipline	Cycle	Component	Number of cred.	Formed learning outcomes (codes)
Cycle of Profiling discipline						
1	Family Medicine	Principles of organization of primary health care to the population of the Republic of Kazakhstan. Integrated Medical Information System (CMIS). New tariff policy and pricing in the conditions of the OSMS. Regulatory legal acts regulating the preventive activities of a family doctor in primary prevention. Screening diagnostics. Secondary prevention (PUZ, USPM). A comprehensive methodology for assessing the patient's health status and professional suitability for various diseases. Analysis of the causes of VN and primary disability. General principles of patient-centered counseling.	PD	MC	24	LO1 LO2 LO3 LO4 LO5 LO6
Internal diseases in the practice of a family doctor					28	
2	Internal illnesses /	Diagnosis, differential diagnosis, treatment, dynamic monitoring and rehabilitation of the most common diseases in adults, differential diagnosis of rare, difficult to diagnose diseases of internal organs in adults according to clinical protocols for diagnosis and treatment and from the	PD	MC	22	LO1 LO3

		standpoint of evidence-based medicine. Tactics of the doctor in emergency conditions at the pre-hospital stage. Examination of the patient's ability to work.				
3	Infectious diseases in adults /	An algorithm for the early and differential diagnosis of syndromes in infectious diseases: diarrhea, lesions of the pharynx, lymphadenopathy, exanthema, fever, jaundice, meningeal syndrome, etc. in a polyclinic. Management tactics at the prehospital stage. Emergency care. Clinical protocol of diagnostic, therapeutic and anti-epidemic measures. Mandatory screening methods for HIV infection, AIDS-related diseases. Clinical examination, rehabilitation of infectious diseases.	PD	MC	6	LO1 LO2 LO3
Surgical diseases in the practice of a family doctor					12	
4	Ambulatory surgery/	Methods of diagnostics, differential diagnostics of acute surgical pathologies and injuries of the abdominal cavity, purulent-inflammatory diseases of soft tissues and hands, diseases of the rectum and blood vessels. The volume of providing qualified surgical care to the population at the level of outpatient care.	PD	MC	4	LO3 LO5
5	Ambulatory traumatology/	Organization of trauma care at the level of outpatient care. Modern innovative methods of diagnosis, differential diagnosis and primary medical care for injuries of bones and joints of the upper and lower extremities, bones of the chest and pelvis, for degenerative-	PD	MC	2	LO3 LO4

		dystrophic and inflammatory diseases of the bones and joints on an outpatient basis, for benign and malignant tumors of bones and joints.				
6	Ambulatory otorhinolaryngology/	Providing assistance to patients with ENT pathology in outpatient conditions in accordance with modern principles of evidence-based medicine. Modern innovative methods of diagnostics and differential diagnostics for purulent-inflammatory diseases and injuries of the nose, pharynx, larynx and ear.	PD	MC	4	LO1 LO2 LO4
7	Ambulatory ophthalmology/	Modern innovative diagnostic methods, differential diagnosis of diseases of the eyelids, pathology of the lacrimal organs, pathology of the conjunctiva and choroid of the eye, corneal disease, pathology of the retina and vitreous body, pathology of the lens and oculomotor apparatus, and injuries of the organ of vision. Outpatient care for people with eye pathologies.	PD	MC	2	LO1 LO2 LO4
The health of women and children in the practice of a family doctor					38	
8	Ambulatory obstetrics and gynecology/	Organization of obstetric and gynecological care for pregnant women, maternity women, women in labor and gynecological patients at the level of outpatient care (OC). Provision of obstetric and gynecological care in accordance with clinical protocols and the Standard of organization of obstetric and gynecological care in the Republic of Kazakhstan, at the OC level.	PD	MC	10	LO1 LO2 LO3
9	Ambulatory pediatrics/	Diagnosis, differential diagnosis, treatment, dynamic monitoring and rehabilitation	PD	MC	20	LO1 LO2

		of the most common diseases that are rare and difficult to diagnose diseases of internal organs in newborns, children of early, preschool, school age and adolescents according to clinical protocols for diagnosis and treatment and from the standpoint of evidence-based medicine. Tactics of the doctor in emergency conditions at the pre-hospital stage.				
10	Infectious diseases children/ for	An algorithm for the diagnosis and differential diagnosis of syndromes in children with infectious diseases: diarrhea, respiratory infections, pharynx, exanthema, fever, jaundice, meningeal syndrome, etc. in a polyclinic. Management tactics. Emergency care. Clinical protocol of diagnostic, therapeutic and anti-epidemic measures. Clinical examination, rehabilitation of childhood infectious diseases. Vaccine prevention of infectious diseases.	PD	MC	8	LO1 LO2 LO4
Comprehensive family doctor practice					18	
11	Issues of neurology in the practice of a family doctor /	Neurological examination of adults and children. Diagnostics, differential diagnostics, treatment of chronic vascular diseases of the brain and spinal cord, diseases of the peripheral nervous system, infectious, hereditary diseases of the nervous system, vertebrogenic, vegetative disorders, epilepsy and epileptiform syndrome of post-traumatic lesions of the nervous system, brain and spinal cord tumors in adults	PD	MC	4	LO1 LO2 LO3

		and children. Diagnostics and differentiated therapy of strokes.				
12	Mental health issues in the practice of a family doctor /	Diagnosis and differential diagnosis of dementia, delirium, amnesic, neurotic, somatoform disorders, behavioral syndromes, post-traumatic stress disorders, psychogenic (reactive) psychoses, post-traumatic stress syndrome. Disorders resulting from the use of drugs and alcohol. Schizophrenia, schizotypal and delusional disorders. Children's mental disorders.	PD	MC	4	LO2 LO3
13	Issues of dermatology and venereology in the practice of a family doctor /	An algorithm for the early and differential diagnosis of dermatological and skin diseases: itchy dermatoses, pustular skin diseases (pyoderma), fungal skin diseases (mycoses) papular dermatoses and sexually transmitted diseases. The tactics of introducing patients at the prehospital stage. Clinical protocol of diagnostic and therapeutic measures. Mandatory examination methods for sexually transmitted diseases. Clinical examination of venereal patients.	PD	MC	2	LO1 LO2
14	Issues of phthisiology in the practice of a family doctor /	Conducting advocacy, communication and social mobilization on tuberculosis issues. Implementation of preventive measures. Conducting x-ray screening and tuberculostatic among risk groups. Algorithm for diagnosis and differential diagnosis of pulmonary and extrapulmonary tuberculosis. Selection and referral to	PD	MC	4	LO2 LO3 LO4

		hospital. Supervised treatment on an outpatient basis. Dynamic monitoring of tuberculosis patients. Dispensary observation. Conducting an epidemiological investigation.				
15	Issues of oncology in the practice of a family doctor /	Organization of oncological care at the level of outpatient care. Modern innovative diagnostic methods, differential diagnostics and principles of management of patients with cancer of the skin, thyroid and mammary glands, bones and soft tissues, digestive tract, biliary zone, lungs, kidneys, endometrium and appendages of the uterus. Assisting a patient with complications of cancer.	PD	MC	4	LO2 LO3
16	Emergency medicine	Object, tasks, normatively-legal acts, volume and basic principles of emergency medical response. Methods of diagnostics of the urgent states and medical sorting. Urgent help in therapeutic, surgical, traumatology, urology, obstetric and gynaecological, neurological, psychiatric practice and in practice of infectious diseases. Urgent help at accidents and emergencies on the hospital stage.	PD	MC	12	LO3 LO4
17	Palliative medicine	Organization of palliative care in the Republic of Kazakhstan. Psychological, social and spiritual aspects of palliative care. Family support during patient care. Diagnosis and treatment of chronic pain. Palliative care for non-oncological and oncological diseases. Communication of medical professionals, social workers, relatives and patients.	PD	MC	2	LO1 LO2

18	Dietology	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 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	PD	OC	2	LO1 LO3
19	Rational pharmacotherapy in the practice of a family doctor	Scientific-based principle of rational choice of medicines, taking into account the individual characteristics of each patient. A set of methods for monitoring the therapeutic effectiveness and safety of medicines. Interaction of medicines. Polypragmasy. The main methods of prevention of polypharmacy. Iatrogenic drug dependence in patients with internal pathology. Rational pharmacotherapy for comorbid conditions. Concepts of personalized medicine. Pharmacogenetics. Personalization of therapy.	PD	OC		LO3 LO5
20	Good clinical practice	Standard and principles of good clinical practice. The rationale and design of the study. Rights, safety and well-being of research subjects. Informed consent of	PD	OC		LO4 LO5

		study subjects. Researcher qualifications and obligations. Clinical Study Protocol. A list of the main documents of a clinical trial. Procedure for reporting safety information in clinical trials. The structure and content of the clinical trial report.			2	
21	Radiation diagnostics in the practice of a family doctor	General issues of radiation diagnostics in the practice of a family doctor. Ultrasound, x-ray and CT examination, with the most frequent therapeutic pathologies. Radiation diagnostics of some diseases of the lungs, heart and blood vessels. Radiation diagnosis of diseases of the gastrointestinal tract and abdominal cavity. Ultrasound diagnosis of diseases of the thyroid gland, liver, pancreas, bile ducts and urinary system.	PD	OC		LO1 LO3
	TOTAL				138	
	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 plan for treatment and prevention interventions and evaluate their effectiveness across the entire spectrum of diseases, taking into account the age, gender and problems of the patient based on evidence-based practice	1. Work in the GP department and specialized offices 2. Participation in consultations 3. Duty
LO2 able to effectively interact with the patient, members of his family and the community in which he lives, with other professionals working in the primary level (social workers, psychologists and other employees in PHC institutions) 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 care during diagnostic and therapeutic interventions.	<ol style="list-style-type: none"> 1. Oral interview 2. Discussions 3. Analysis of the clinical situation
LO4 able to act within the legal and organizational framework of health system of the Republic of Kazakhstan when carrying out diagnostic, therapeutic and preventive interventions in primary health care, provide basic assistance in emergency situations, work as part of interprofessional teams to implement the nation's health promotion policy	<ol style="list-style-type: none"> 1. Oral interview 2. Analysis of clinical protocols 3. Working with orders and documentation
LO5 able to formulate adequate research questions, critically evaluate special literature in the field of family medicine, effectively use international databases in their daily activities, participate in the work of the research team..	<ol style="list-style-type: none"> 1. Reviewing scientific articles 2. "Magazine Club" 3. Writing theses and articles 4. Public speaking
LO6 able to study independently and train other members of the professional team, to actively participate in discussions, conferences and other forms of continuous professional development in the field of family medicine.	<ol style="list-style-type: none"> 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 plan for treatment and prevention interventions and evaluate their effectiveness across the entire spectrum of diseases, taking into account the age, gender and problems of the patient based on evidence-based practice	<ol style="list-style-type: none"> 1.360-evaluation from a mentor, patient, medical staff (based on a checklist) 2. Checklist for portfolio assessment 3. Duty checklist
LO2 able to effectively interact with the patient, members of his family and the community in which he lives, with other professionals working in the primary level (social workers, psychologists and other employees in PHC institutions) in order to achieve the best results for the patient	<ol style="list-style-type: none"> 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 care during diagnostic and therapeutic interventions.	<ol style="list-style-type: none"> 1. Checklist for assessing oral discussions 2. Checklist for assessing clinical situations



	R-RPPFD	Rational pharmacotherapy in the practice of a family doctor									
	R-GCP	Good clinical practice/									
	R-RDPFD	Radiation diagnostics in the practice of a family doctor	2	60	12	42	6	2		Exam	
	TOTAL			4140	828	2898	414*				
IC	INTERMEDIATE CERTIFICATION										
FE	FINAL EXAMINATION		2	60					2		60
	TOTAL		140	4200	828	2898	414	70	70		60