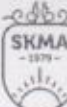




SOUTH KAZAKHSTAN
**MEDICAL
ACADEMY**

**RESIDENTURE EDUCATIONAL PROGRAM
7R01138 «FAMILY MEDICINE»**

Shymkent

ONTÜSTIK-QAZAQSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ		SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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Educational Program 7R01138 "Family Medicine" Developed by the Department of "Family Medicine"

Head of the Department, Candidate of Medical Sciences, Associate Professor  Qauyzbay Zh.Ä.
Protocol No. 9 dated "01" 04 2025

Agreed with the Employer:

Chief Physician of City Polyclinic No.13, Shymkent  Moldybayeva A.K.

Discussed at the meeting of the Residency Academic Committee of the Therapeutic Profile

Chairman of the Academic Committee,
Candidate of Medical Sciences, Associate Professor  Qauyzbay Zh.Ä.
Protocol No. 4 dated "23" 04 2025

Approved by the Clinical Council

Chairman, Professor  Nurmashev B.K.
Protocol No. 8 dated "05" 04 2025

Approved by the Academic Council

Protocol No. 13 dated "02" 05 2025

ONTUSTIK-KAZAKHSTAN MEDISINA AKADEMIASY «Оңтүстік Қазақстан медицина академиясы» АҚ		SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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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 knows modern technologies for diagnosis, treatment and prevention in the primary health care system and is able to meet the needs of the patient, providing him with continuous comprehensive medical care.

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 creation and development of primary health care is a priority area of national healthcare Primary health care includes activities for the prevention, diagnosis and treatment of diseases and conditions of medical rehabilitation, monitoring the course of pregnancy, promoting a healthy lifestyle, reducing the level of risk factors for diseases and sanitary and hygienic education. To provide highly qualified care, it is necessary to improve the professional skills of medical workers; in this regard, it is necessary to increase the efficiency of training of doctors in the postgraduate period.

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

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. Order of the Minister of Health of the Republic of Kazakhstan dated November 10, 2023, No. 164

"On Amendments and Additions to the Order of the Minister of Health of the Republic of Kazakhstan dated May 25, 2021, No. KP DSM-43 'On Approval of the List of Medical Specialties for Residency Programs' and the Order dated January 9, 2023, No. 4 'On Approval of Model Educational Programs in Medical and Pharmaceutical Specialties'"

3. "Regulations on the procedure and procedures for the development of educational programs" JSC "YUKMA" from 04.29.2024.

4. Internal regulatory documents of JSC "SKMA"

The need for family doctors in medical organizations serves as a justification for the establishment and necessity of training family physicians, primarily at the regional level. This is carried out in accordance with the main strategies and development programs of the healthcare system at the international, national, and regional levels, with the aim of improving the quality of medical care provided to the population.

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

General information

№	Field name	Note
1	Registration number	7R09100105
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	R038 Family Medicine
5	Name of the educational program	7R01138 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 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 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 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
13	Learning outcomes	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, including rare (orphan) diseases, taking into account the age, gender and problems of the patient based on evidence-based practice. 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. 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 at the primary health care level. 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. LO5 able to formulate adequate research questions, critically evaluate special literature in the field of family medicine, effectively use international databases and digital tools in their daily activities, participate in the work of the 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>

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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	KZ36LAA00011387
19	Accreditation of the OP	<i>Have</i>
	Name of accreditation body	<i>IAAR</i>
	Duration of accreditation	<i>№ AB3988 10.06.2022r.-09.06.2027.</i>
20	Information about the disciplines	<i>Appendix 1,2</i>

Appendix1. 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		+				+

Appendix1. 2

Information about the disciplines

№	Name of the discipline	Brief description of the discipline (30-50 words)	Cycle	Component	Number of cred.	Formed learning outcomes (codes)
Cycle of Profiling discipline Compulsory component						
1	Family medicine	Develops knowledge and skills in organizing and evaluating the activities of family physicians at the primary health care (PHC)	PD	MC	24	LO1 LO2 LO3 LO4

		level; in diagnosing, treating, and managing patients, including those with orphan diseases, at the PHC level; in providing consulting services to patients; in organizing preventive and rehabilitation measures, screening programs, and dynamic monitoring of adults and children at the PHC level; in conducting medical and social expertise; and in managing medical documentation and medical-statistical information. Continuous professional development.				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 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.	PD	MC	22	LO1 LO3
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	PD	MC	6	LO1 LO2 LO3

		methods for HIV infection, AIDS-related diseases. Clinical examination, rehabilitation of infectious diseases.				
Surgical diseases in the practice of a family doctor					12	
4	Outpatient 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	Outpatient traumatology	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-dystrophic and inflammatory diseases of the bones and joints on an outpatient basis, for benign and malignant tumors of bones and joints.	PD	MC	2	LO3 LO4
6	Outpatient 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	Outpatient 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,	PD	MC	2	LO1 LO2 LO4

		pathblogy of the lens and oculomotor apparatus, and injuries of the organ of vision. Outpatient care for people with eye pathologies.				
The health of women and children in the practice of a family doctor					38	
8	Outpatient 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	Outpatient pediatrics	Diagnosis, differential diagnosis, treatment, dynamic monitoring and rehabilitation 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.	PD	MC	20	LO1 LO2
10	Infectious diseases for children	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.	PD	MC	8	LO1 LO2 LO4

		Vaccine prevention of infectious diseases.				
Comprehensive family doctor practice					18	
11	Questions 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 and children. Diagnostics and differentiated therapy of strokes.	PD	MC	4	LO1 LO2 LO3
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	PD	MC	2	LO1 LO2



		diseases. Clinical examination of venereal patients.				
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 hospital. Supervised treatment on an outpatient basis. Dynamic monitoring of tuberculosis patients. Dispensary observation. Conducting an epidemiological investigation.	PD	MC	4	LO2 LO3 LO4
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	Organization of palliative care in the Republic of Kazakhstan.	PD	MC	2	LO1 LO2

	medicine	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.				
	TOTAL				134	
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 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.	PD	OC	2	LO4 LO5
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
22	Extragenital pathology	Develops knowledge and skills in providing obstetric and gynecological care to the population within the scope of a general practitioner's competence; managing physiological pregnancy; conducting prenatal preparation and diagnosing preeclampsia and eclampsia; monitoring pregnant women with extragenital pathology; implementing measures to promote reproductive health and	PD	OC		LO1 LO3

ОҢТҮСТІК-ҚАЗАҚСТАН MEDISINA АКАДЕМИЯСЫ «Оңтүстік Қазақстан медицина академиясы» АҚ		 SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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	family planning; and providing emergency care in pregnancy-related complications.				
TOTAL				138	
Final examination				2	
SUMMARY				140	

Professional Standard: "General Medical Practice, Family Medicine (Adult, Pediatric)"

13. Occupational Profile: "7.2 Family Medicine Physician"

List of Job Functions:	Mandatory Job Functions:	1. Diagnosis and management of patients, including those with orphan diseases, at the level of primary health care (PHC). 2. Organization of preventive and rehabilitation activities, screening programs, and dynamic monitoring of adults and children at the PHC level. 3. Provision of consulting services to patients, diagnosis and treatment of diseases among the adult and pediatric population at the PHC level. 4. Conducting medical and social examinations. 5. Participation in the management of medical records and medical-statistical information.
	Additional Job Functions:	1. Continuous professional development. 2. Organization and evaluation of the activities of family physicians at the primary health care (PHC) level.
Job Function 1: Diagnosis and management of patients, including those with orphan diseases, at the primary health care (PHC) level		
	Skill 1: Diagnosis of diseases, including orphan diseases in adults and	Skills: 1. Perform early diagnosis of the most common diseases at the primary health care (PHC) level. 2. Determine management and treatment strategies for patients with the most frequently encountered chronic diseases at the PHC level.



children at the primary health care (PHC) level, and management in accordance with clinical protocols and standards of medical care.

3. Develop a diagnostic plan for orphan diseases in adults and children.
4. Conduct diagnosis and differential diagnosis of the most common diseases, including complications of orphan diseases in adults and children, including ordering and interpreting diagnostic test results, and formulating a diagnosis according to ICD-10 upon identifying the disease and its complications.
5. Determine indications for planned and emergency hospitalization of adults and children, including those with orphan diseases.
6. Complete documentation for planned and emergency hospitalization of adults and children, including those with orphan diseases.
7. Prepare medical documentation in accordance with the legislation of the Republic of Kazakhstan.
8. Analyze the results of instrumental and laboratory-diagnostic examinations in the diagnosis of diseases in adults and children.
9. Determine medical indications for providing emergency and urgent medical care in the diagnosis of diseases, including orphan diseases in adults and children.
10. Determine medical indications for referring adults and children with identified orphan diseases to hospitals for specialized and high-tech medical care.
11. Develop a treatment plan.
12. Prescribe and assess the effectiveness and safety of medications, medical devices, and non-pharmacological therapies for patients diagnosed with diseases, including orphan diseases in adults and children.
13. Prescribe therapeutic and dietary nutrition for patients with orphan diseases in adults and children.
14. Determine indications for referral to specialized healthcare professionals, including for patients with orphan diseases.
15. Conduct physical examinations and assessments for disease diagnosis, including orphan diseases in adults and children, taking into account age-related anatomical and functional features in accordance with current standards of care.
16. Organize multidisciplinary medical consultations (consilia).

Knowledge:

1. Evidence-based medicine in clinical general medical practice.
2. Epidemiology, risk factors, etiology, pathogenesis, pathomorphology, clinical presentation, diagnosis, and differential diagnosis of diseases, including orphan diseases in adults and children.
3. Medical indications for prescribing instrumental examinations and laboratory-diagnostic tests in the diagnosis of diseases, including orphan diseases in adults and children.
4. Current research findings related to the diagnosis of diseases, including orphan diseases.

**Skill
Recognition
Possibility:**

Skill recognition is recommended.

Job Function 2:
 Organization of preventive and rehabilitative activities, screening programs, and dynamic monitoring of adults and children at the primary health care (PHC) level.

Skill 1:
 Organization of disease prevention and screening programs for adults and children at the primary health care (PHC) level.

Skills:

1. Organize disease prevention in adults and children, including conducting health promotion and healthy lifestyle education jointly with health centers.
2. Provide instruction on sanitary and hygienic measures aimed at reducing morbidity in adults and children.
3. Identify target groups for screening examinations.
4. Explain the process and route of movement during screening examinations to the population.
5. Establish effective communication with patients when informing them about the results of screening examinations.
6. Ensure continuity and coordination with specialized medical organizations for conducting screening programs.



7. Monitor the implementation of screening programs and the completion of documentation in pre-medical offices and data entry into the Medical Information System (MIS).
8. Interpret the results of screening programs at the primary health care level and determine subsequent management tactics and preventive measures.
9. Maintain records and dynamic follow-up of patients with chronic diseases identified during screening examinations.
10. Justify the completion of screening after the final stage of screening examinations.
11. Organize and implement vaccination programs within the service area, evaluate results, identify risk groups for immunodeficiency, including risk groups among the pediatric population.
12. Apply the National Immunization Schedule.
13. Control the implementation of vaccination programs and assess the outcomes of preventive interventions.
14. Select programs and conduct preventive immunocorrection in organized groups and individuals, assessing the results of preventive measures.
15. Provide emergency care at the pre-hospital stage in case of adverse reactions to vaccines.

Knowledge:

1. Primary and secondary disease prevention in adults and children.
2. Screening programs in the context of primary health care (PHC).
3. Rules, scope, and frequency of conducting screening examinations.
4. Indicators of research results obtained during screening.
5. National Immunization Schedule of the Republic of Kazakhstan.
6. Rules for operating a vaccination room.

Skill

Recognition

Possibility:

Skill recognition is recommended.

Skill 2:

Organization of dynamic monitoring of adults and children with chronic diseases in the primary health care (PHC)

Skills:

1. Determine the patient's need for dynamic monitoring.
2. Organize systematic health monitoring and provide necessary medical care based on the results of this monitoring, involving specialists from a multidisciplinary team.
3. Define the list, scope, and frequency of examinations by family doctors and specialized specialists, laboratory and instrumental studies, observation periods, and criteria for discharge from monitoring.
4. Identify signs of disease exacerbation and progression,



setting.

determine indications for hospital-at-home care, inpatient treatment, or rehabilitation.

5. Monitor patients within the Disease Management Program (DMP).
6. Complete the patient monitoring card for those participating in the DMP.
7. Organize psychological support for pediatric and adult patients.
8. Provide consultations on self-management, non-pharmacological and pharmacological treatment, and psychocorrection for pediatric and adult patients.
9. Provide palliative care to pediatric and adult patients.

Knowledge:

1. Dynamic monitoring of individuals with chronic diseases.
2. Rules for organizing medical care for individuals with chronic diseases, including frequency and duration of monitoring, mandatory minimum, and frequency of diagnostic tests.
3. List of documents required for registering individuals with chronic diseases for dynamic monitoring.
4. List of diseases subject to dynamic monitoring in primary health care organizations within the framework of the Guaranteed Volume of Free Medical Care (GVFMC).
5. List of chronic diseases subject to monitoring by specialized specialists at the level of consultative and diagnostic care within the framework of GVFMC and/or the Compulsory Social Health Insurance system (CSHI).
6. Disease Management Program (DMP) and criteria for selecting patients participating in the DMP.

Skill

Skill recognition is recommended.

Recognition

Possibility:

Skill 3:

Skills:

Organization of medical rehabilitation of adults and children in the primary health care (PHC) setting.

1. Determine the procedures, goals, and objectives for organizing outpatient medical rehabilitation in collaboration with a rehabilitation physician.
2. Assess the clinical condition of the patient, risk factors, and factors limiting the implementation of rehabilitation activities; evaluate the psycho-emotional state, impairments in daily and professional skills, and activity limitations affecting rehabilitation outcomes.
3. Coordinate with the Hospitalization Bureau for referring patients to planned hospitalization for medical rehabilitation.
4. Determine the ICF (International Classification of Functioning) code criteria to complete the rehabilitation routing scale based

		on ICF criteria for patients (adults and children) with various diseases. - Determine the level of medical rehabilitation based on the nosology, severity of the patient's condition, and impairments in body functions and structures (BFS) according to ICF criteria, with participation of multidisciplinary team (MDT) specialists following the rehabilitation routing scale (RRS). - Complete an individualized medical rehabilitation program for the patient. - Organize psychological and physical rehabilitation for pediatric and adult patients. - Provide consultations on organizing professional and social rehabilitation for pediatric and adult patients. - Provide palliative care to pediatric and adult patients.
	Knowledge: - International Classification of Functioning (ICF) for determining the ICF code criteria. - Rules and procedures for providing medical rehabilitation. - Medical contraindications for conducting medical rehabilitation based on the primary disease. - Results of recent research related to rehabilitation across different age groups. - Organization of adaptation of pediatric and adult patients to their environment and society.	
	Skill Recognition Possibility:	Skill recognition is recommended.
Job Function 3: Provision of consultation services to patients, diagnosis, and treatment of diseases among pediatric and adult populations at the primary health care (PHC) level.		
	Skill 1: Providing consultation services to patients, as well	Skills: - Provide obstetric and gynecological care within the competence of a general practitioner. - Manage physiological pregnancy, conduct prenatal preparation, and diagnose preeclampsia and eclampsia.



as diagnosis
and treatment
of diseases at
the primary
health care
(PHC) level.

3. Monitor pregnant women with extragenital pathology.
4. Prevent pregnancy loss and identify its causes.
5. Conduct oncological screening for cervical cancer.
6. Implement measures to strengthen reproductive health and family planning.
7. Determine medical and social contraindications to pregnancy.
8. Provide preconception care for women of childbearing age.
9. Work on timely early registration of pregnant women.
10. Provide emergency care to pregnant women and apply positions for preeclampsia, eclampsia, obstetric hemorrhages, and anaphylactic shock.
11. Conduct tuberculosis vigilance work, identifying patients suspected of tuberculosis according to the algorithm.
12. Conduct work on HIV/AIDS detection.
13. Work according to the algorithm for detecting visually localized oncological diseases.
14. Manage vaccine-preventable infectious diseases.
15. Provide organizational and methodological guidance to less qualified family doctors.
16. Offer consultative assistance to colleagues/general practitioners and family doctors in cases of complex diagnosis and treatment of pediatric and adult diseases.
17. Make decisions on controversial referrals to specialized departments at city, regional, and national levels for patients requiring specialized diagnostic and treatment methods within the specialty of Family Medicine.

Knowledge:

1. Principles of family planning and contraception methods.
2. Management of physiological pregnancy and prenatal preparation.
3. Early signs and diagnostic methods of preeclampsia and eclampsia.
4. Regulatory legal acts on dynamic monitoring of pregnant women with extragenital pathology.
5. Algorithm for identifying patients with tuberculosis.
6. Algorithm for detecting visually localized oncological diseases.
7. Vaccine-preventable infectious diseases.

Skill
Recognition
Possibility:

Skill recognition is recommended.

Job Function 4:
Conducting
medico-social
expertise.

Skill 1:

Conducting
medico-social
expertise.

Skills:

1. Refer patients to medico-social expertise (MSE) after completing a set of diagnostic, therapeutic, and rehabilitation measures confirming persistent impairment of body functions leading to activity limitations caused by diseases, injuries, or defects.
2. Determine the degree of activity limitation.
3. Complete referral documents for medico-social expertise.
4. Fill out individualized rehabilitation programs.

Knowledge:

1. Documents required for referring patients to medico-social expertise (MSE).
2. Rules and procedures for conducting medico-social expertise.
3. Concepts of body function impairments and activity limitations.
4. Preparation of referral documents for proactive remote medico-social expertise.

Skill
Recognition
Possibility:

Skill recognition is recommended.

Job Function 5:
Participation in the
management of
medical
documentation and
medico-statistical
information.

Skill 1:

Maintaining
medical
documentation
and analyzing
medico-
statistical
information in
accordance
with the
requirements of
regulatory legal
acts in the field
of healthcare.

Skills:

1. Plan work and prepare reports with analysis of own performance indicators.
2. Maintain medical documentation, including electronic records, and monitor the quality of record-keeping.
3. Analyze medico-statistical indicators of the relevant medical department's work.
4. Use patients' personal data and information in accordance with legislation.
5. Use information systems following established procedures.

Knowledge:

1. Order of the Acting Minister of Health of the Republic of Kazakhstan dated



October 30, 2020 No. ҚР ДСМ-175/2020 "On approval of forms of accounting documentation in healthcare, as well as instructions for their completion" (registered with the Ministry of Justice of the Republic of Kazakhstan on November 4, 2020 No. 21579).

2. Order of the Minister of Health of the Republic of Kazakhstan dated December 22, 2020 No. ҚР ДСМ-313/2020 "On approval of forms of reporting documentation in healthcare" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 23, 2020 No. 21879).
3. Order of the Minister of Health of the Republic of Kazakhstan dated December 10, 2020 No. ҚР ДСМ-244/2020 "On approval of rules for maintaining primary medical documentation and submitting reports" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 11, 2020 No. 21761).
4. Electronic systems of accounting and documentation.
5. Confidentiality of patients' medical information.
6. Basics of medical statistics.

Skill

Skill recognition is recommended.

Recognition

Possibility:

Additional Job
Function 1:
Continuous
professional
development.

Skill 1:

Commitment to
professional
improvement.

Skills:

1. Participate in professional educational events such as conferences, seminars, webinars, and advanced training courses.
2. Engage in academic and scientific activities.
3. Take part in the work of professional associations, committees, and working groups to discuss healthcare issues and exchange experience with colleagues.

Knowledge:

1. Order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No. ҚР ДСМ-303/2020 "On approval of rules for additional and non-formal education of healthcare specialists, qualification requirements for organizations implementing educational programs of additional and non-formal education in healthcare, as well as rules for recognition of learning outcomes obtained by healthcare specialists through additional and non-formal education" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 22, 2020 No. 21847).
2. Order of the Minister of Health of the Republic of Kazakhstan dated December

20, 2020 No. ҚР ДСМ-283/2020 "On approval of rules for confirming the results of continuous professional development of healthcare workers" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 22, 2020 No. 21843).

3. Opportunities for network interaction and communication with colleagues in their professional field.
4. Current trends, research, and developments in the specialized area.

Skill
Recognition
Possibility:

Skill recognition is recommended.

Additional Job
Function 2:
Organization and
evaluation of
family doctors'
activities at the
primary health care
level (PHC).

Skill 1:
Organization
and evaluation
of the activities
of family
doctors at the
primary health
care (PHC)
level.

Skills:

1. Organize work and conduct performance evaluation in the medical practice area.
2. Organize the activities of structural units providing medical care to the population at the outpatient and polyclinic level, including hospital-substituting care.
3. Coordinate patient pathways and ensure continuity of care provided by family doctors at the primary health care (PHC) level.
4. Take planned and emergency measures in situations threatening the life and health of patients with diseases at all ages within PHC.
5. Plan and forecast the activities of structural units providing medical care to the population at the PHC level.
6. Work with information systems (MIS) and other digital systems (telemedicine, smart medicine).
7. Maintain statistical records and reporting in accordance with regulatory legal acts, including electronic formats, and analyze statistical data.
8. Determine indications for issuing and extending sick leave certificates.

Knowledge: 1. Organization of the work of family doctors at the primary health care (PHC) level.



Skill
Recognition
Possibility:

Skill recognition is recommended.

Requirements for
Personal
Competencies:

- ☐ Empathy
- ☐ Communication skills
- ☐ Tolerance and respect
- ☐ Collaboration and teamwork
- ☐ Stress resistance (Stress tolerance)
- ☐ Reflection and self-analysis
- ☐ Adherence to professional ethics
- ☐ Openness and willingness to learn
- ☐ Activeness and initiative
- ☐ Aspiration for professional development

Head of the Educational and Methodological Center



B.Z. Doltaeva