

«APPROVED» by
Rector of JSC «SKMA»
Seitzhanova Zh. S.

« 07 » 2025y.



SOUTH KAZAKHSTAN
MEDICAL
ACADEMY

EDUCATIONAL PROGRAM OF RESIDENCY
7R01130
«PEDIATRICS»

Shymkent 2025 y.

The educational program of the residency 7R01130 "Pediatrics"
was developed by the Department of Pediatrics-2

Head of the Department, Professor _____ G.E. Bektenova
Protocol № 82 from " 18 " 04 2025 y.

Agreed with the employer:

Head of the State Communal Enterprise on
the Right of Economic Management
«Regional Children's Hospital» of the Healthcare
Department of Turkistan Region _____



28 A.M. Dosanova

Discussed at the meeting of the Academic Committee
of Pediatric Profile

Chairman of the AC, Professor _____ G.E. Bektenova
Protocol № 4 from " 21 " 04 2025 y.

Approved by the Clinical Council

Chairman, Professor _____ B.K.Nurmashev
Protocol № 8 from " 25 " 04 2025 y.

Approved by the Academic Council

Protocol № 13 from " 02 " 05 2025 y.

QNTÜSTIK QAZAQSTAN MEDISINA AKADEMIASY «Qntüstik Qazaqstan medicina akademiasy» AQ		SOUTH KAZAKHSTAN MEDICAL ACADEMY АО «Южно-Казахстанская медицинская академия»
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Passport of the educational program

1. The mission of the educational program:

To be recognized as a leader in the field of training highly specialized, competitive pediatricians.

2. The purpose of the educational program:

Training of a qualified pediatrician with a system of universal, professional competencies, capable and ready for independent professional activity in primary health care; specialized, including high-tech, medical care; emergency, including specialized, medical care; palliative care.

3. Justification of the OP:

Pediatrics is a branch of medicine dealing with childhood diseases and the care of healthy and sick children of any age under the age of eighteen. The term "pediatrics" has Greek roots: pais (paidos) - child and iatreia - treatment. Pediatrics is an independent field of medical science that studies the patterns of child development, causes, pathogenesis, clinical manifestations, treatment and prevention of childhood diseases.

The protection of children's health is one of the most urgent and most significant problems of public health, the state and society. This is determined by the fact that the health of the child population is not only an integral indicator of the quality of children's health, but also forms the fundamental basis for the formation of the health potential of adult members of society. First of all, maintaining the level of children's health at the proper level is one of the key factors and conditions for the successful economic development of the state, to preserve the stability and social security of society.

Healthy children are the key to the prosperity of the state. Accordingly, the issues of preserving and strengthening children's health, reducing morbidity, infant and child mortality, and disability should be the main tasks of modern medicine.

The main task of pediatrics is to preserve or return (in case of illness) the child's state of health, allowing him to fully realize his innate life potential. The need for pediatricians in the Republic of Kazakhstan at all levels of medical care is very high.

4. The professional standard on the basis of which the educational program is developed:

- Order of the Minister of Health of the Republic of Kazakhstan dated 07.04.2022 No. KR DSM-63 "On approval of state mandatory standards for levels of education in the field of healthcare";
- Professional standard "Pediatrics" (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".
- On Amendments and additions to the Order of the Minister of Health of the Republic of Kazakhstan "On approval of the list of medical specialties of residency programs" dated May 25, 2021 No. KR DSM - 43 and "On approval of standard training programs in medical and pharmaceutical specialties" dated January 9, 2023 No. 4. (Order of the Minister of Health of the Republic of Kazakhstan dated 10 November 2023, No. 164).

The need of medical organizations for pediatricians is the justification for the discovery and the need to train pediatricians, primarily at the regional level, taking into account the main strategies and programs for the development of the health system at the international, national and regional levels in order to increase the level of medical care for children.

5. The field of professional activity. Healthcare

6. Objects of professional activity. Medical organizations providing inpatient and outpatient care, healthcare systems of the Republic of Kazakhstan

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General information

1	Registration number	7R09100113
2	The code and classification of the field of education	7R01 Healthcare (medicine)
3	The code and classification of training areas	7R011 Healthcare
4	Group of educational programs	R030 Pediatrics
5	Code, name of the educational program	7R01130 "Pediatrics" (residency)
6	Type Op	Updated educational program
7	ISCED level	7
8	The level of the NRK	7
9	ORC Level	7
10	Distinctive features of the OP	compiled according to the professional standard
	Partner University (SOP)	
	Partner University (SOP)	
11	List of competencies	CC1 Patient supervision: is 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. CC 2 Communication and collaboration: He is able to effectively interact with the patient, his environment, and healthcare professionals in order to achieve the best results for the patient. CC 3 Safety and quality: He is able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical care. CC 4 Public health: He is able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in his specialty, provide basic assistance in emergency situations, and work as part of interprofessional teams to implement national health promotion policies. CC 5 Researches: He is able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in his daily activities, and participate in the work of a research team.

		CC 6 Training and development: He is able to study independently and train other members of a professional team, actively participate in discussions, conferences and other forms of continuous professional development.
12	Learning outcomes:	LO1 Able to conduct an initial examination, diagnostic measures, formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice using an international database and digital tools for providing medical care in pediatrics, and carry out preventive and rehabilitative measures. LO2 Able to effectively interact with the child, his environment, and healthcare professionals, taking into account the principles of inclusion, in order to achieve the best results for him. LO3 Able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical care. LO4 Able to act within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan in pediatrics, provide basic assistance in emergency situations, work as part of interprofessional teams to implement a policy of strengthening the health of the nation LO5 Able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in his daily activities, and participate in the work of a research team. LO6 Able to study independently and train other members of a professional team, actively participate in discussions, conferences and other forms of continuous professional development.
13	The form of study	is full-time
14	The language of instruction	<i>Kazakh and Russian</i>
15	Volume of loans	140
16	The duration of the training:	2 year
17	Degree awarded, qualification	Pediatrician
18	Availability of an appendix to the license for the direction of training	KZ36LAA00011387
19	Availability of OP accreditation	Have
	Name of the accreditation body	IAAR
	The validity period of the accreditation	№ KZ73LAA00011788. 27.05.2021r.-26.05.2026r.
20	Information about the disciplines	Application 1.2

Application 1.1

The matrix of correlation of learning outcomes according to the educational program as a whole with the competencies being formed

	PO1	PO2	PO3	PO4	PO5	PO6
KK1	+					
KK2		+				
KK3			+			
KK4	+			+		
KK5					+	
KK6						+

Application 1.2

Matrix of achievability of competencies/learning outcomes

№	Name of the discipline	A brief description of the discipline	Cycle	Component	Number of credits	Formed RO
Cycle of Profiling discipline						
Compulsory component						
1	Children's diseases in the hospital.	The discipline develops knowledge and skills in assessing the general condition, examination, diagnosis and treatment of diseases of children of various ages in accordance with the clinical protocols of the Republic of Kazakhstan in a hospital setting, taking into account the recommendations of the World Health Organization and evidence-based medicine in the field of pediatrics; ensuring the safety and quality of medical care; develops skills of interaction with the patient and his environment in compliance with the principles of inclusion, skills of maintaining medical records, interpreting the results of laboratory, radiological, and functional research methods of children by age group. To determine the scope and sequence of preventive and rehabilitative measures in children	PD	UC	70	LO1 LO2 LO3
2	Intensive care in pediatrics.	Diagnostics, etiopathogenetic treatment and intensive care of syndromic disorders and critical conditions in children. Monitoring of vital functions of children. Calculation of infusion-transfusion therapy,	PD	UC	12	LO1 LO2 LO3 LO4

		correction of electrolyte disorders, blood gas composition in children using artificial intelligence. Resuscitation and intensive care for critical conditions in children and newborns according to WHO programs, within the framework of the existing NPAs of the healthcare system. Basic principles of antibacterial therapy.				
3	Ambulatory-clinic pediatrics	The discipline forms the knowledge and skills of organizing outpatient care for children using diagnostic algorithms, screening studies, prevention, and immunoprophylaxis within the framework of existing regulatory legal acts of the healthcare system for primary health care; develops skills of working with the patient and his environment in compliance with the principles of inclusion, as part of interprofessional teams and work to promote children's health, skills in maintaining medical records, prescribing medication therapy taking into account the age of children, planning it and assessing potential risks, taking into account the principles of a safe environment for children.	PD	UC	14	LO2 LO3 LO4
4	Emergency medical care.	Organization of emergency and emergency medical care for children. Demonstrative medicine. Principles of emergency care for children. RLA. Diagnostics and emergency medical care for threatening conditions in children. Errors in emergency care and their prevention. Algorithm for diagnostics and emergency care for emergency conditions in cardiology, pulmonology, gastroenterology, Nephrology and Hematology.	PD	UC	12	LO3 LO4
5	Neonatology	Organization of neonatology services in the Republic of Kazakhstan. Principles of organization and operation of departments of newborn	PD	UC	6	LO1 LO2 LO3

		pathology. Evidence-based medicine in neonatology. Determination of the method and scope of newborn examination. apgar score. Defining the tactics of conducting operations in accordance with established protocols and standards. Conducting differential diagnosis, substantiating the clinical diagnosis, and prescribing adequate therapy.				
6	Childhood infections.	Regulatory documents in the Children's Infectious Diseases Service of the Republic of Kazakhstan. Clinical and laboratory diagnostics, tactics, treatment and prevention of infectious diseases in children.. Features of the course in children of the first year of life. Evidence-based medicine in childhood infectious diseases. IVBDV in childhood infections. Quarantine measures in children's institutions.	PD	UC	6	LO1 LO2 LO3
7	Pediatric surgery.	As they develop, the resident will gradually determine the definition, etiology, pathogenesis, clinic of surgical disease in children, diagnosis, diagnosis, and definition of conservative treatment, based on the basic knowledge gained. Surgical treatment using scientific research and knowledge of evidence-based medicine. He is able to independently and successfully solve professional tasks and engage in professional activities with developing thinking.	PD	UC	6	LO1 LO2 LO3
8	Children's phthisiology	Diagnostic algorithm for tuberculosis. Principles of clinical examination. Laboratory, instrumental, and surgical research methods. Methods of x-ray examination, their informativeness for the diagnosis of tuberculosis. Differential diagnosis of tuberculosis. The DOTS protocols. Guidance document. Principles of treatment: duration, continuity, continuity, combination, controllability. Stages of treatment of tuberculosis. Antituberculous drug. Basic and	PD	UC	4	LO1 LO2 LO3

		reserve drugs. Side effects and their elimination. Prevention of tuberculosis.				
9	Children's dermatovenerology	Types of dermatovenereological institutions and their main tasks. Dispensary monitoring of patients with skin and venereal diseases. Eczema. Dermatitis. Prideratsya. Pyoderma Scabies. Dermatophytoses. Mycoses. Epidermolise. Epidermophitia. Diffuse connective tissue diseases: lupus erythematosus, scleroderma, dermatomyositis.	PD	UC	4	LO1 LO2 LO3
Cycle of Profiling discipline						
A component of choice						
10	Functional diagnostics in pediatrics.	General questions about the organization of functional diagnostics rooms. Standards for the scope of examination of functional diagnostics in Pediatrics. Indications and contraindications for functional diagnostics in children of different ages. Development of methods in children: ECG, ECHOCG, transesophageal ECHOCG, spirometry, functional diagnostic tests with physical activity, gas mixtures	PD	EC	4	LO 2 LO 3 LO 5
11	Clinical and laboratory diagnostics in pediatrics.	Clinical significance of the study of blood gases, acid-base state, water-electrolyte metabolism in various pathological conditions and diseases in children. Features of interpretation of results obtained on the hematological analyzer. Clinical significance of General urine analysis. Changes in indicators for various pathological conditions and diseases in children's practice. Laboratory diagnostics of emergency conditions. Main biomarkers of emergency conditions.	PD	EC		LO 2 LO 3 LO 6
12	Clinical immunology and allergology in the	Specialized and highly specialized care for children with allergic and immunological diseases. Modern ideas	PD	EC		LO 1 LO 2 LO 3

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	hospital.	about allergic diseases of the respiratory tract, gastrointestinal tract, skin; indications for contraindications to non-specific therapy; principles of immunotherapy of immunodeficiency States, laboratory methods of diagnostics of immunity.				
13	Management of scientific research	The discipline forms knowledge in the field of studying the rules of scientific research methodology, skills in choosing the methodology of analytical and experimental scientific research, determining the objects and errors of scientific research, skills in working in a research group on planning, organizing, conducting and formatting scientific research, compiling scientific papers with the analysis of literary sources.	PD	EC		LO 5 LO 6
14	Integrated introduction of childhood diseases	The discipline develops knowledge and skills in the integrated management of childhood diseases, sorts children of various ages according to the urgent and priority signs of the most common diseases in conditions of limited resources (diarrhea, fever, shortness of breath, severe eating disorders), interacts effectively with the patient and his environment, provides medical care within the framework of current regulations participates in discussions, conferences and other forms of continuous professional development.	PD	EC		LO 1 LO 2 LO 4 LO 6
	Total:				138	
	Final certification:				2	
	Total:				140	

Professional standard: "Pediatrics"

Profession card "7.1 Pediatrician"	Mandatory labor functions:	1. Providing qualified, specialized pediatric care to children under the supervision of a mentor and the supervision of a mentor 2. Conducting and monitoring the effectiveness of preventive measures for children by age group and health status, preventing the formation of antimicrobial resistance, sanitary and hygienic education and the formation of a healthy lifestyle of the population under the supervision and supervision of a mentor. 3. Interaction with patients, their environment and healthcare participants under the supervision and supervision of a mentor 4. Maintaining accounting and reporting medical records under the supervision and supervision of a mentor
	Additional labor functions:	1. Continuous professional development under the supervision of a mentor
Labor function 1: Providing qualified, specialized pediatric care to children under the supervision of a mentor and the supervision of a mentor	Skill 1: Conducting primary examinations and diagnostic measures for children and adolescents	Skills: 1. Possess the skills of communicative communication, questioning the child, parents/legal representatives and obtaining the necessary information 2. To carry out an objective examination and assessment of the condition of organs and systems, the general condition of the child. 3. Identify signs of danger in young children, general and specific signs of diseases of organs and systems 4. Identify signs of gender-based violence in children 5. Analyze the data of an objective study that revealed deviations from the norm in physical status or any symptoms that suggest this disease. 6. Send children for consultations to specialized specialists if there are indications. 7. Analyze and systematize data from previous surveys and consultations with specialists of other fields. 8. Interpret the results of laboratory examination of children by age and gender groups. 9. Analyze objective research data that revealed abnormalities in physical status or any symptoms suggesting this disease. 10. Specify the diagnosis, indicating the stage and form of the disease, the phase, the degree of activity, the degree of functional disorders.
		Knowledge: 1. The standard of organization of pediatric care in the Republic of Kazakhstan. 2. The standard of organization of neonatal care in the Republic of Kazakhstan. 3. Clinical protocols of diagnosis and treatment of the Republic of Kazakhstan by activity profile. 4. International clinical guidelines on the activity profile. 5. Rules for the organization of screening. 6. The sequence and scope of collecting information about the child, passport data, dates of admission, diagnosis, diagnoses (upon admission, clinical, concomitant, complications), allergic history, epidemiological history, heredity, information about contact persons, address, place of work of parents (guardians), for children – visits to organized groups;

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		7. Clinical symptoms of major diseases. 8. Diagnostic signs of diseases of organs and systems. 9. Techniques of palpation, percussion, and auscultation. 10. Classification, etiology, pathogenesis, clinical symptoms and their characteristic features (distinguishing features) of diseases of organs and systems. 11. Symptoms of conditions requiring urgent hospitalization or the use of intensive care methods. 12. Signs of gender-based violence in children 13. Clinical and laboratory research data on the manifestation of diseases of organs and systems 14. Fundamentals of the pathogenetic, etiotropic, and symptomatic approach to the choice of treatment methods. 15. Fundamentals of clinical pharmacology in pediatrics (mechanism of action of drugs, indications and contraindications, complications). 16. Principles of a safe environment for children. 17. Timing of screening studies
	Skill 2: Prescribing treatment for children and monitoring its effectiveness and safety	Skills: 1. Possess the skills of managing, diagnosing and treating patients in accordance with clinical protocols and guidelines, WHO recommendations in the field of pediatrics. 2. Prescribe drug therapy based on the age of the children and the clinical picture of the disease. 3. Prescribe non-drug therapy, taking into account the age of children and the clinical picture of the disease. 4. Provide necessary medical care to children in case of emergency. 5. Analyze the effect of drugs on the totality of their pharmacological effects on the body of children. 6. Evaluate the effectiveness and safety of drug therapy in children. 7. Evaluate the effectiveness and safety of non-drug treatment methods in children. 8. Prescribe dietary nutrition based on the age of children and the clinical picture of the disease. Knowledge: 1. Methods of treatment of major somatic and infectious diseases and pathological conditions in children. 2. The mechanism of action of the main groups of drugs, medical indications and contraindications to their use, complications caused by their use. 3. Organization and implementation of therapeutic nutrition for children, depending on age and disease. 4. Principles of IVBDV. 5. Methods of performing resuscitation measures for children. 6. Principles of organization and conduct of intensive care and intensive care in the provision of medical care in inpatient and inpatient-substituting conditions.
	Skill 3: Implementation and monitoring of the effectiveness	Skills: 1. Organization of rehabilitation activities for children and adolescents 2. Participate in the development and implementation of individual rehabilitation programs for children with disabilities

	of individual rehabilitation * programs for children	3. Identify medical professionals and other specialists to carry out rehabilitation measures in accordance with the age and health status of children. 4. Evaluate the effectiveness and safety of rehabilitation measures in children. Knowledge: 1. Rules of medical rehabilitation 2. Medical indications for spa treatment. 3. Principles and methods of medical rehabilitation of children, including physical therapy, speech therapy, occupational therapy and other types of therapy. 4. Methods and techniques of rehabilitation, including assessment and planning of individual rehabilitation programs.
Labor function 2: Conducting and monitoring the effectiveness of preventive measures for children by age group and health status, preventing the formation of antimicrobial resistance, sanitary and hygienic education and the formation of a healthy lifestyle under the supervision and supervision of a mentor.	Skill 1: Carrying out preventive measures for children by age group and health status. Infection prevention and infection control	Skills: 1. Determine the scope and sequence of organization of preventive measures. 2. Apply the principles of specific and non-specific prevention of infectious diseases in children, the national calendar of preventive vaccinations, taking into account the age of the child and his state of health. 3. Identify medical indications and contraindications to the use of vaccines, possible reactions and complications when using vaccines. 4. Establish a child's health group, including for physical education in educational institutions. 5. Identify chronic diseases, draw up a plan for follow-up, and monitor the effectiveness of health-improving measures 6. Identify indications for palliative care in children 7. Carry out preventive medical examinations, organize patronages and active visits to newborns and young children in accordance with the universally progressive model of the patronage service. 8. To screen newborns and young children. 9. To carry out dynamic monitoring of children with chronic diseases registered at the dispensary, treatment and rehabilitation. 10. Carry out measures to prevent and reduce morbidity, identify early forms of socially significant diseases, including oncological, hematological, hepatitis B and C, HIV infection and tuberculosis. 11. Participate in the organization and conduct of prevention activities infections related to medical care (surgical area infections, catheter-associated bloodstream infections, catheter-associated urinary tract infections, lower respiratory tract infections, hemocontact infections (hepatitis B and C, HIV)". 12. Participate in infection prevention and infection control activities, and prevent the formation of antimicrobial resistance. 13. Inform parents about the inadmissibility of gender-based violence, as well as about existing mechanisms and measures of legal protection, social and psychological support for survivors Knowledge: 1. The standard of organization of pediatric care in the Republic of Kazakhstan. 2. The standard of organization of neonatal care in the Republic of Kazakhstan. 3. Clinical protocols of diagnosis and treatment of the Republic of Kazakhstan by activity profile. 4. International clinical guidelines on the activity profile. 5. Rules for conducting regulated preventive and screening examinations of children.

		6. Principles of early detection of disorders in the development of young children. 7. Criteria for a comprehensive assessment of children's health status, health groups. 8. The national calendar of preventive vaccinations and the calendar of preventive vaccinations for epidemic indications. 9. Principles and rules of breastfeeding, the composition of breast milk. 10. Types and composition of breast milk substitute mixtures, indications and rules of use depending on the age and condition of the child. 11. Rules, terms and procedure for the introduction of complementary foods, depending on the age and condition of the child. 12. Fundamentals of the universal progressive patronage model. 13. Sanitary and epidemiological requirements for healthcare facilities 14. Sanitary and epidemiological requirements for the organization and conduct of sanitary and anti-epidemic, sanitary and preventive measures to prevent infections related to the provision of medical care .. 15. Sanitary and epidemiological requirements for the organization and conduct of sanitary and anti-epidemic, sanitary and preventive measures to prevent particularly dangerous infectious diseases. 16. Methods of infection prevention and the spread of infectious diseases. 17. Mechanisms and measures of legal protection, social and psychological support for survivors of violence
	Skill 2: Organizing and conducting educational and promotional events aimed at preventing diseases, forming a healthy lifestyle, maintaining and strengthening health.	Skills: 1. To carry out information work with parents and family members or with legal representatives on issues of rational nutrition, prevention of childhood diseases and formation of a healthy lifestyle. 2. Provide advice on breastfeeding support. 3. To inform about sanitary requirements, rules and recommendations for ensuring safety and hygiene in various spheres of life: food, water, sanitary conditions, housing conditions, personal hygiene, as well as about the risks associated with the use of antibiotics without proper indications. 4. Provide patients and their legal representatives with information about vaccines, their importance, benefits and possible risks in accordance with national and international protocols and recommendations. 5. Inform about regular medical examinations and screening programs. 6. To teach sanitary and hygienic skills in order to preserve, promote health, and enhance sanitary and hygienic culture: maintaining hygiene and safety, including standard precautions (hand hygiene, cough etiquette, personal protective equipment, safe injection practices, waste management, disinfection, and sterilization), food safety, and infection prevention. 7. To organize and conduct events to promote a healthy lifestyle, rational and healthy nutrition, the importance of physical activity, giving up bad habits, and maintaining psychological well-being. Knowledge: 1. Sanitary standards and standard precautions, safety in the home and work environment. 2. Methods of infection prevention and the spread of infectious diseases. 3. Principles of personal hygiene and healthy lifestyle
Labor function	Skill 1:	Skills:

3: Interaction with patients, their environment, and healthcare participants under the supervision and supervision of a mentor	Interaction with the patient, his relatives or legal representatives	1. To advise the patient or his legal representative about the course, treatment and prognosis of the disease, including the reporting of unpleasant news. 2. Inform the patient and (or) his legal representatives about the recommended type of diagnosis, treatment, and possible complications with informed consent. 3. Involve the patient or his legal representative in the decision-making process, taking into account their preferences, values and level of awareness. 4. Explain procedures and technologies, ensuring that information is understandable and accessible so that the patient or his legal representative can make an informed decision. 5. Show empathy and support to patients in order to increase the effectiveness of treatment and patient-doctor cooperation.: 1. Principles of communication with the patient, his relatives or legal representatives. 2. Ethical, cultural, religious, and legal aspects related to informing the patient about the choice of treatment methods and medical devices. 3. Psychosocial aspects of the patient's health. 4. The process of obtaining informed consent in compliance with legal requirements. 5. Principles of interaction in conflict situations
	Skill 2: Cooperation with other specialists and health services on issues of diagnosis, treatment, rehabilitation, providing an integrated approach to the prevention of the spread of infections and the formation of a healthy lifestyle.	Skills: 1. Advising and participating in the professional development of primary health care and related specialties in pediatrics. 2. Work in teams with other healthcare professionals and services to provide a full range of medical care to patients. 3. Share information with other healthcare professionals and services to ensure continuity of medical care and timely intervention if necessary. 4. Participate in multidisciplinary groups, consultations, and clinical rounds. 5. Cooperate with public organizations and health services to prevent the spread of infections, vaccinate and respond to emergencies. 6. Refer patients to specialists or specialized health services for further diagnosis Knowledge: 1. The role and functions of other specialists and services in matters of diagnosis, treatment, and rehabilitation. 2. Technologies and standards of medical practice. 3. Principles of effective communication with healthcare professionals and services.
Labor function 4: Maintaining accounting and reporting medical records under the supervision and supervision of a mentor	Skill 1: Accounting and documentation in medical practice	Skills: 1. To draw up medical documentation in accordance with the forms, types, volume, procedure and terms established by the authorized body. 2. Organize and store medical records in accordance with the requirements. 3. Process medical information confidentially, observing the rules and regulations related to the protection of personal data and ensuring the security of medical information. 4. To use information systems in the field of healthcare in professional activities. Knowledge: 1. Order of the Acting Minister of Health of the Republic of Kazakhstan dated October 30, 2020 No. KR DSM-175/2020 "On approval of Accounting Documentation forms in the field of healthcare, as well as instructions for completing them (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. KR DSM-313/2020 "On approval of forms of accounting documentation in the

		field of 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. KR DSM-244/2020 "On approval of the rules for maintaining primary medical records and submitting reports" (registered with the Ministry of Justice of the Republic of Kazakhstan on December 11, 2020 No. 21761). 4. Electronic accounting and documentation systems. 5. Confidentiality of patients' medical information
Additional labor function 1: Continuous professional development under the supervision and supervision of a mentor	Skill 1: Participation in research and scientific projects	Skills: 1. Formulate research questions, develop hypotheses, collect and analyze data, conduct statistical analysis and draw conclusions from the research results. 2. Observe the principles of fairness, informed consent, confidentiality, and protection of the rights and well-being of patients participating in research. 3. To conduct a search and analysis of literature, a critical assessment of research data. 4. Possess research design skills, including research plan and design, selection of methodology, definition of inclusion and exclusion criteria, development of a protocol and data collection scheme. 5. Submit research results in writing and publish articles in scientific journals. Knowledge: 1. Fundamentals of scientific method and scientific research. 2. Ethical principles, regulatory norms and procedures related to human research. 3. Statistical methods, methods of data processing and evaluation of the statistical significance of the results.
	Skill 2: Striving for professional improvement	Skills: 1. Participate in professional training events: conferences, seminars, webinars. 2. To train personal skills: leadership, teamwork, empathy and adaptability, initiative and responsibility for achieving goals. 3. Develop time and stress management skills Knowledge: 1. Order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No. KR DSM-303/2020 "On Approval of the Rules for additional and non-formal education of healthcare Professionals, qualification requirements for organizations implementing educational programs for additional and non-formal education in the field of healthcare, as well as the rules for recognizing the learning outcomes obtained by healthcare professionals through additional and non-formal education (registered with the Ministry of Justice of the Republic of Kazakhstan on December 22, 2020, No. 21847). 2. Opportunities for networking and communication with colleagues from their professional field. 3. Current trends, research and development in the specialized field.
Personal competence requirements:	Empathy Communication skills, Tolerance and respect Collaboration and teamwork, Stress resistance Reflection and introspection, Compliance with professional ethics Openness and willingness to learn Activity and initiative Striving for professional development	

Head of the Educational and Methodical center

Doltayeva B. Z.

