

ONTUSTIK QAZAQSTAN <b>MEDISINA          AKADEMIASY</b> «Оңтүстік Қазақстан медицина академиясы» АҚ		SOUTH KAZAKHSTAN <b>MEDICAL          ACADEMY</b> АО «Южно-Казахстанская медицинская академия»
Committee of educational programs		044-57/11 ( ) 1 p.
Educational program		

Approved  
 Rector of SKMA JSC  
 M. Rysbekov  
 2022



## EDUCATIONAL PROGRAM

Code of the EP: 6B10112

Title of the educational program: General Medicine

Level of the educational program: Internship

Shymkent

The educational program was developed by the members of the "General Medicine" EPC

Agreed with employers:

Chief Physician of ShMP №5  Seidalina Zh.M.

Chief Physician of MH №2  Rakhmataliyev A.M.

Chairman of the "General Medicine" EPC  Dosybayeva G.N.

Minutes No. of 10.08.08 2022.

Approved by the Methodological Council

Vice-Rector for EMW Anartayeva M.U.

Minutes No. of 13.08.08 2022. 

Approved by the Academic Council

Minutes No. of 15.08.08 2022.

## Passport of the educational program

### 1. Normative documents for the development of a modular educational program (state standards of education, professional standards (if available), etc.)

- Order of the Minister of Science and Higher Education of the Republic of Kazakhstan "On approval of state obligatory standards of higher and postgraduate education" dated 20.07.2022 No. 28916;
- Order of the Minister of Healthcare of the Republic of Kazakhstan "On approval of the state obligatory standards for levels of education in the field of health care" dated 04.07.2022 No. MHRK-63;
- Order of the Vice-Minister of Healthcare of the Republic of Kazakhstan "On approval of the phased implementation of continuous integrated medical education" dated 08.08.2022 No. 661;
- The Code of the Republic of Kazakhstan dated 07.07.2020 No. 360- VI "On the health of the people and the healthcare system" (with amendments and additions as of 04.07.2022);
- The Law of the Republic of Kazakhstan "On Education" dated 27.07.2007 No. 319-III, with amendments and additions dated 04.07.2022.
- Order of the Ministry of Education and Science of the Republic of Kazakhstan "On approval of state obligatory standards of all levels of education" dated 31.10.2018 No. 604, with amendments and additions dated 23.07.2021;
- Order of the Minister of Education and Science of the Republic of Kazakhstan dated 16.10.2013 No. 420 "On approval of Standard Rules for the activities of organizations of higher and (or) postgraduate education" with amendments and additions from 29.12.2021;
- Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 "On approval of the Rules for the organization of the educational process on credit technology of education" (with amendments and additions as of 05/06/2021)
- Order of the Minister of Healthcare of the Republic of Kazakhstan dated 30.01.2008 No. 27 "On approval of the list of programs of continuous integrated education in clinical specialties" (with amendments and additions as of 05/14/2021)
- "On approval of Standard rules for the activities of educational organizations of the appropriate types and kinds", Order of the Minister of Education and Science of the Republic of Kazakhstan dated 30.10.2018 No. 595 with amendments and additions dated 29.12.2021
- Order of the Minister of the Ministry of Education and Science of the Republic of Kazakhstan "On approval of the rules for the organization and implementation of educational and methodological and scientific work" dated 29.11.2007 No. 583. with amendments and additions from 06.05.2021
- Internal regulatory documents of SKMA JSC.

**2. Field of professional activity:** the field of professional activity of graduates who have mastered the educational program 6B10101 "General Medicine" includes the protection of public health by providing medical care to both adults and children.

### 3. Objects of professional activity:

- healthcare management organizations;
- healthcare organizations;
- educational organizations;
- organization of science;

organization of social protection;  
adult and child population;  
set of tools and technologies aimed at creating conditions for the protection of public health

**types of professional activity:**

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

General information

№	Field title	Примечание
1	Registration number	6B10100029
2	Code and classification of the field of education	6B10112 General Medicine (internship)
3	Code and classification of training areas	6B101 Healthcare
4	Group of educational programs	B086 General Medicine
5	Name of the educational program	General Medicine (internship)
6	Type of the EP	New EP
7	The purpose of the EP	Training of a general practitioner with a volume of knowledge, skills and practical skills that meets modern requirements for independent diagnostic, therapeutic, rehabilitation and preventive measures for the most common diseases in children and adults in outpatient settings and at home in accordance with the principles of evidence-based medicine
8	ISCED level	
9	NQF level	6
10	IQF level	6
11	Distinctive features of EP	No
	Partner University (CEP)	-
	Partner University (DDEP)	-
12	List of competencies	1. Synthesis of professional and scientific medical knowledge for the provision of qualified medical care
		2. Solving the problems of providing qualified medical care
		3. Coordination of the activities of departments in healthcare organizations
		4. Scientific justification of goals, methods and means of achieving them

		5. Implementation of qualified medical care of the basic category of complexity
		6. Determination of a strategy for providing qualified medical care to the population of the second category of complexity
		7. Make decisions and be responsible for the result of providing qualified medical care
13	Learning outcomes	<p>LO 1 Provides patient-centered care, demonstrates interpersonal and communication skills with patients, his/her environment and colleagues in compliance with bioethical principles and patient rights;</p> <p>LO 2 Carries out his/her activities within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan for the implementation of the policy of strengthening the health of the nation;</p> <p>LO 3 Supports continuous personal and professional growth, constantly improves the quality of medical care based on self-assessment, self-education and lifelong learning;</p> <p>LO 4 Complies with the standards for the protection of public health and occupational safety, the sanitary and hygienic regime of the health organization and the epidemiological safety of the environment;</p> <p>LO 5 Based on the principles of evidence-based medicine is able to conduct outpatient admission, diagnosis, treatment, dynamic observation and rehabilitation of children and adults, including pregnant women, and to determine indications for their hospitalization;</p> <p>LO 6 Analyzes the results of screening programs, conducts prevention of common diseases, vaccination and finds sources of information for the development of primary health care;</p> <p>LO 7 Is able to apply and effectively use information technologies in healthcare, knows the principles of the introduction of CSMI;</p> <p>LO 8 Performs diagnostics, provides qualified and urgent medical care for urgent and life-threatening conditions to patients of adult and child age;</p> <p>LO 9 Works in electronic databases of the healthcare system of the Republic of Kazakhstan, provides documentation of the processes of providing medical services;</p> <p>LO 10 Organizes medical and social assistance, conducts preventive and health-improving activities among the population;</p>
14	Form of training	full-time
15	Language of instruction	Kazakh, Russian and English
16	Amount of credits	60
17	Awarded academic degree	Internship

18	Availability of an appendix to the license for the direction of personnel training	KZ36LAA00011387
19	Availability of EP accreditation	Yes
	Name of the accreditation body	“Independent Agency for Accreditation and Rating” IAAR, 09.06.2020
	Validity period of the accreditation	08.06.2023
20	Information about disciplines	Appendix

**The content of the educational program**  
**2. Learning outcomes in the educational program 6B10112 "Medicine"**

LO 1	Applies patient-centered care skills, uses interpersonal and communication skills with patients, his/her environment and colleagues in compliance with bioethical principles and patient rights;
LO 2	Organizes his/her activities within the legal and organizational framework of the healthcare system of the Republic of Kazakhstan to implement the policy of strengthening the health of the nation;
LO 3	Plans continuous personal and professional growth to improve the quality of medical care based on self-assessment, self-education and lifelong learning;
LO 4	Practices outpatient admission, diagnosis, treatment, dynamic observation and rehabilitation of children and adults, including pregnant women;
LO 5	Develops a plan for laboratory and instrumental examinations of patients with the most common diseases of childhood and adult age in accordance with current clinical guidelines, interprets their results and formulates a diagnosis according to ICD-10 when the disease is detected.
LO 6	Analyzes the results of screening programs, evaluates the effectiveness of preventive effects of the most common diseases of adults and children
LO 7	Effectively uses information technologies in healthcare and knows the principles of implementing compulsory social health insurance;
LO 8	Evaluates the clinical condition, the levels of functional organ failure, the complication of the disease requiring emergency care and determining the indications for hospitalization;
LO 9	Uses electronic databases of the healthcare system of the Republic of Kazakhstan, providing documentation of the processes of providing medical services;
LO 10	Organizes medical and social assistance, conducts preventive and health-improving activities among the population;

<b>1</b>	Outpatient and polyclinic therapy	Organization of medical and preventive care for adults at the level of primary health care. Diagnostic criteria and management tactics for patients with the most common diseases in general medical practice, including the elderly. Algorithms of rational differential diagnosis,	PD	EC	10	LO1 LO4 LO5 LO8
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		management tactics and dynamic observation of adults in outpatient settings for the most common diseases. Communication skills, patient support.				LO10
2	Outpatient and polyclinic pediatrics	Organization of outpatient pediatric care. The algorithm of differential diagnosis, management tactics, dynamic observation of children in outpatient settings. Medical examination. Information technologies in primary health care. Medical and social examination of children. School medicine. Effective communication in teamwork in solving patient problems, self-esteem, self-control.	PD	EC	10	LO1 LO4 LO5 LO8 LO9 LO10
3	Preventive Pediatrics	Integrated management of childhood illness' program. Antenatal prevention. Prenatal patronage. Prenatal diagnosis. Preventive and curative care for newborns and premature babies in primary health care. Neonatal screenings. Audiological screenings. Borderline conditions of newborns. Automated information system. Medical examination. Effective communication in teamwork in solving patient problems, self-esteem, self-control.	PD	EC	3	LO1 LO5 LO6 LO7 LO9
4	Neurology, psychiatry and narcology in outpatient medical practice	Socio-legal organization of neurological, psychiatric care at the PHC level. Diagnostics of neurological, narcological and mental diseases, provision of qualified and urgent medical care for urgent and life-threatening conditions, rehabilitation, palliative care, medical examination, preventive and health measures among the attached population. Communication skills, self-control, self-esteem, patient support.	PD	EC	4	LO1 LO2 LO3 LO5 LO8 LO10
5	Providing obstetric and gynecological care to the female population	Main tasks of the obstetric and gynecological department of the polyclinic. Reproductive health protection. Family planning. Methods of research of pregnant women. Typical pregnancy complications, prevention. Provision of emergency and emergency care at the prehospital stage in pregnant women and gynecological diseases. Preventive examinations of the female population. Coronavirus infection in pregnant women, women in labor and women in labor. Communication skills, self-control, patient support.	PD	EC	4	LO1 LO2 LO4 LO5 LO8 LO10

<b>6</b>	Surgical care in outpatient settings	Effective measures aimed at the diagnosis and treatment of frequently occurring acute surgical diseases of the thoracic, abdominal cavity, vascular diseases of the lower extremities and diseases of the rectum in PHC conditions. Diagnosis and primary surgical care. Medical and social, preventive, health-improving measures. Prevention, diagnosis of malignant neoplasms in the conditions of primary health care. Communication skills, self-control, patient support.	PD	EC	5	LO1 LO4 LO5 LO8 LO10
<b>7</b>	Infectious diseases in outpatient practice	Algorithms for early differential diagnosis, management of infectious diseases in adults and pregnant women with fever and general toxic syndrome, with tonsillitis syndrome, diarrhea, jaundice, exanthemums, meningeal, respiratory syndrome, lymphadenopathy, with damage to the musculoskeletal system. Emergency conditions, treatment and prevention. Working with documentation in an electronic system. Communication skills, self-control, patient support.	PD	EC	3	LO1 LO4 LO5 LO8 LO9
<b>8</b>	Children's infectious diseases in outpatient practice	Early, differential diagnosis, management of children with infectious diseases occurring with fever and general toxic syndrome, with tonsillitis syndrome, diarrhea, jaundice, exanthemums, meningeal, respiratory syndrome, lymphadenopathy, with damage to the musculoskeletal system. Emergency conditions, treatment and prevention. Working with documentation in an electronic system. Communication skills, self-control, patient support.	PD	EC	3	LO1 LO4 LO5 LO8 LO9
<b>9</b>	Issues of the organization of general medical practice	Regulatory and legal framework of work, accounting and reporting documentation, self-control and management in primary health care organizations. Automated information system. Screening programs. Indications for planned and emergency hospitalization. Examination of temporary and permanent disability. Medical and social expertise. Organization of palliative care in outpatient settings. Communication skills, patient support.	PD	EC	3	LO2 LO6 LO9 LO10
<b>10</b>	Outpatient cardiology	Organization of cardiological care for the adult population of the Republic of Kazakhstan in outpatient settings. The algorithm of diagnosis and differential diagnosis of the most common cardiac diseases, taking into account age characteristics, treatment, prevention, medical examination, rehabilitation. The disease management program for arterial hypertension	PD	EC	7	LO1 LO4 LO5 LO8 LO9

		and CHF. Indications for hospitalization. Emergency and emergency medical care for adult cardiological patients. Communication skills, self-control, patient support.				
<b>11</b>	Organization of extragenital care for the female population	Organization of medical care for extragenital pathology in pregnant women. Pregnancy and diseases of the cardiovascular system. Arterial hypertension and pregnancy. Preeclampsia. Eclampsia. Pregnancy and respiratory diseases. Endocrine pathology and pregnancy. Pregnancy and diseases of the urinary tract. Obstetric bleeding. DIC-syndrome in pregnant women. Anemia and pregnancy. Communication skills, self-control, patient support.	PD	EC	3	LO1 LO4 LO5 LO8
<b>12</b>	Final state attestation	Determination of the final level of mastering the academic disciplines of the internship by testing and evaluating clinical skills by conducting an objective structured clinical exam (5 stations).			3	LO2 LO4 LO5 LO7

**Evaluation criteria of EP 6B10101 "General Medicine" Internship's degree in the direction of GP (SOES 2022)**

EP LO	Unsatisfactory	Satisfactory	Good	Excellent
<p>LO 1. Applies patient-centered care skills, uses interpersonal and communication skills with patients, his/her environment and colleagues in compliance with bioethical principles and patient rights</p>	<p>1) Does not possess patient-centered care skills</p>	<p>1) Has difficulty communicating with the patient                  2) Knows the goals of care, but does not develop a plan for providing care to the patient                  3) Selects standard patient care interventions</p>	<p>1) Communicates with the patient and his/her family on the basis of partnership                  2) Develops a care plan for the patient, taking into account the priorities and goals of care                  3) Selects preferred patient care interventions                  4) Trains nurses in the principles of patient- and family-oriented care</p>	<p>1) Establishes effective communication with the patient and his/her family on the basis of partnership and a solidary role in the process of treatment, rehabilitation and recovery                  2) Takes into account psychosocial problems, the needs of the patient, priority motives and problems within the framework of his/her disease                  3) Develops a care plan for the patient, taking into account the priorities and goals of care                  4) Achieves effective compliance with the patient and his/her family, respecting the patient's right to choose interventions in relation to him/herself and his/her life                  5) Selects preferred patient care interventions using special patient (or family) education strategies and collaborative decision-</p>

				making 6) Trains nurses in the principles of patient- and family-oriented care
LO 2. Organizes his/her activities within the legal and organizational field of the healthcare system of the Republic of Kazakhstan for the implementation of the policy of strengthening the health of the nation	1) Is not guided by the content of the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system"	1) Understands the need to use the articles of the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system" in the practice of doctors	1) Is guided by the articles of the Code of the Republic of Kazakhstan "About the health of the people and the healthcare system" 2) Uses the articles of the Code in practical activities	1) Works within the framework of the Legislation of the Republic of Kazakhstan in the field of healthcare, regulating public relations in the field of public health 2) Analyzes the articles of the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system" 3) Is guided by the articles of the Code in practical activities to ensure optimal medical care and strengthen the health of the nation 4) Analyzes the provisions of the Concept of Healthcare Development of the Republic of Kazakhstan until 2026
LO 3. Plans continuous personal and professional growth to improve the quality of medical care based on self-assessment,	1) Does not perform training tasks to acquire skills and knowledge	1) Performs training tasks to acquire skills and knowledge	1) Analyzes individual professional practice 2) Performs training tasks to acquire skills and knowledge	1) Demonstrates self-education skills, improving and expanding the level of qualifications by mastering new competencies

self-education and lifelong learning			3) Conducts self-assessment 4) Trains regularly	2) Sets and performs training tasks for the acquisition of skills and knowledge 3) Assesses individual professional practice by self-monitoring 4) Checks the acquisition of skills and knowledge by self-assessment 5) Trains continuously and receives medical development
LO 4. Practice outpatient admission, diagnosis, treatment, dynamic observation and rehabilitation of children and adults, including pregnant women	1) Is not able to conduct outpatient admission, diagnosis, treatment of diseases	1) Conducts outpatient admission, diagnosis, treatment of diseases	1) Conducts outpatient admission, diagnosis, treatment of diseases 2) Conducts dynamic monitoring and rehabilitation of patients of all age groups and pregnant women 3) Applies approved standards of medical care and clinical protocols in the diagnosis, treatment, prevention and rehabilitation of patients of various age groups and pregnant women	1) Is able to independently conduct outpatient admission, diagnosis, treatment of diseases 2) Conducts dynamic monitoring and rehabilitation of patients of all age groups and pregnant women 3) Is guided by the approved standards of medical care and clinical protocols for the diagnosis, treatment, prevention and rehabilitation of patients of various age groups and pregnant women
LO 5 Develops a plan for laboratory and instrumental examinations of patients	1) Does not have the skills to develop a plan for laboratory and	1) Has knowledge of developing a plan for laboratory and	1) Is able to develop a plan for laboratory and instrumental examinations	1) Develops independently a plan for laboratory and instrumental examinations

with the most common diseases of childhood and adulthood in accordance with current clinical guidelines, interprets their results and formulates a diagnosis according to ICD-10 when the disease is detected	instrumental examinations of patients, interpretation of results and formulation of the diagnosis	instrumental examinations of patients, interpretation of their results and formulation of the diagnosis	of patients with the most common diseases of childhood and adult age in accordance with current clinical guidelines 2) Analyzes the results of laboratory and instrumental examinations 3) Is able to formulate a diagnosis according to ICD-10 when detecting a disease	of patients with the most common diseases of childhood and adult age in accordance with current clinical recommendations 2) Interprets the results of laboratory and instrumental examinations 3) Formulates independently a diagnosis according to ICD-10 when detecting the disease
LO 6. Analyzes the results of screening programs, evaluates the effectiveness of preventive effects of the most common diseases of adults and children	1) Is not able to carry out preventive measures	1) Participates in the implementation of screening programs, preventive examinations and vaccination 2) Understands the need to form a healthy lifestyle among the population	1) Participates in the implementation of screening programs, preventive examinations and vaccination 2) Analyzes the results of preventive actions 3) Conducts preventive measures aimed at the formation of the population's medical and social activity and motivation for a healthy lifestyle	1) Analyzes the results of the implementation of screening programs and preventive examinations 2) Assesses the results of preventive actions, the effectiveness of vaccination for the prevention of infectious diseases 3) Is guided by the rules of oncological alertness in practice 4) Conducts preventive measures aimed at the formation of the population's medical and social activity and motivation for a healthy lifestyle
LO 7. Effectively uses	1) Does not have the	1) Focuses on the use of	1) Uses electronic	1) Uses electronic

<p>information technologies in healthcare and knows the principles of the implementation of compulsory social health insurance</p>	<p>skills to work in the databases of the healthcare system 2) Does not know the principles of the introduction of compulsory health insurance</p>	<p>electronic information resources 2) Searches for information in reference databases on medicines 3) Knows the principles of the implementation of compulsory social health insurance</p>	<p>information resources at work 2) Provides documentation of the processes of providing medical services 3) Searches for information in the international database on medicines 4) Knows the principles of the implementation of compulsory social health insurance</p>	<p>information resources at work 2) Uses information and communication infrastructures at work 3) Provides documentation of the processes of providing medical services 4) Searches and interprets information in the international database on medicines on the basis of rational use 5) Owns the principles of the implementation of compulsory social health insurance</p>
<p>LO8. Assesses the clinical condition, levels of functional organ failure, complication of the disease requiring emergency care and determination of indications for hospitalization</p>	<p>1) Does not diagnose, is unable to provide emergency medical care in urgent and life-threatening conditions</p>	<p>1) Performs diagnostics of urgent and life-threatening conditions at the pre-hospital stage 2) Is able to provide emergency medical care for urgent and life-threatening conditions at the pre-hospital stage</p>	<p>1) Analyzes the clinical condition and the development of complications in diseases at the pre-hospital stage 2) Provides qualified emergency medical care for urgent and life-threatening conditions at the pre-hospital stage 3) Knows the indications for hospitalization in urgent and life-threatening conditions</p>	<p>1) Assesses the clinical condition promptly and timely with the development of functional organ failure, predicts the development of complications of the disease at the pre-hospital stage 2) Provides qualified and emergency medical care for urgent and life-threatening conditions at the pre-hospital stage fully and efficiently 3) Is guided by indications</p>

				for hospitalization, ensures hospitalization and continuity in emergency care
LO 9. Uses electronic databases of the healthcare system of the Republic of Kazakhstan, providing documentation of the processes of providing medical services	1) Does not have the skills to work in databases of the healthcare system	1) Focuses on the use of electronic information resources 2) Searches for information in reference databases on medicines.	1) Uses electronic information resources at work 2) Provides documentation of the processes of providing medical services 3) Searches for information in the international database on medicines	1) Uses electronic information resources at work 2) Uses information and communication infrastructures at work 3) Provides documentation of the processes of providing medical services 4) Searches and interprets information in the international database on medicines
LO 10. Organizes medical and social assistance, conducts preventive and wellness activities among the population	1) Is not able to provide medical and social assistance, carry out preventive and health measures among the population	1) Knows the principles of primary medical and social care and rehabilitation treatment for various diseases and the consequences of injuries	1) Applies knowledge and skills in providing primary medical and social care and rehabilitation treatment for various diseases and the consequences of injuries 2) Promotes a healthy lifestyle, the principles of rational nutrition	1) Organizes primary medical and social care and rehabilitation treatment for various diseases and the consequences of injuries 2) Organizes events to promote a healthy lifestyle, rational nutrition, awareness raising and personal responsibility of citizens for their health 3) Carries out work to mobilize the public to address issues of prevention, early detection and treatment of diseases