

«Оңтүстік Қазақстан
медицина академиясы» АҚ



АО «Южно-Казахстанская
медицинская академия»



Approved
Rector of SKMA-JSC
M.Rysbekov

2019

EDUCATIONAL PROGRAM

Code of the EP: 6B10101

Title of the educational program: General Medicine

Educational program level: internship

Shymkent, 2019

The educational program was developed by the members of the "General Medicine"
Committee of Educational Programs

Chairman of the "General Medicine" CEP  - Dosybayeva G.N.

The educational program has been agreed:

Head of the educational and methodological Center  Ybragimova A.G.

Dean of the Faculty of "Medicine"  - Doltayeva B.Z.

Head of the registry office  Syzdykova S.A.

Coordinated with employers:

Chief Physician of ShMP №6  Kulbayeva G.ZH

Agreed by the Methodological Council

Vice-Rector for EMW  Anartayeva M.U.

Minutes No. 15 of 25 06 2019.

General information

№	Field name	Note
1	Registration number	
2	Code and classification of the field of education	6B10 Health and social welfare (medicine)
3	Code and classification of training areas	6B101 Healthcare
4	Group of educational programs	B086 General Medicine
5	Code, Name of the educational program	6B10101 " General Medicine"
6	Type of the EP	New OP
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 self-conducting diagnostic, therapeutic, rehabilitation and preventive measures for the most common diseases in children and adults on an outpatient basis and at home in accordance with the principles of evidence-based medicine
8	ISCED level	6
9	The level of the NRK	6
10	ORC Level	6
11	Distinctive features of the OP	No
	Partner University (SOP)	-
	Partner University (DDOP)	-
12	List of competencies	<p><i>CC1- Synthesis of professional and scientific medical knowledge for the provision of qualified medical care</i></p> <p><i>CC 2-Solving the problems of providing qualified medical care</i></p> <p><i>CC 3-Coordination of the activities of departments in healthcare organizations</i></p> <p><i>CC 4-Scientific justification of goals, methods and means of achieving them</i></p> <p><i>CC 5-Implementation of qualified medical care of the basic category of complexity</i></p> <p><i>CC 6-Definition of a strategy for providing qualified medical care of the second category of complexity</i></p> <p><i>CC 7 -To make decisions and be responsible for the result of providing qualified medical care</i></p>

13	Learning outcomes	<p>LO1 Applies patient-centered care skills, uses interpersonal and communication skills with patients, their environment and colleagues in compliance with bioethical principles and patient rights ;</p> <p>LO 2. Organizes its 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. Plans continuous personal and professional growth to improve the quality of medical care based on self-assessment, self-education and lifelong learning;</p> <p>LO 4. Practice outpatient admission, diagnosis, treatment, dynamic monitoring and rehabilitation of children and adults, including pregnant women;</p> <p>LO 5. Develops a plan for laboratory and instrumental examinations of patients 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;</p> <p>LO 6. Analyzes the results of screening programs, evaluates the effectiveness of preventive effects of the most common diseases of adults and children;</p> <p>LO 7. Effectively uses information technologies in healthcare and knows the principles of implementing compulsory social health insurance;</p> <p>LO 8. Assesses the clinical condition, levels of functional organ failure, complication of the disease requiring emergency care and determination of indications for hospitalization;</p> <p>LO 9. Applies electronic databases of the healthcare system of the Republic of Kazakhstan, providing documentation of the processes of providing medical services;</p> <p>LO 10. Organizes medical and social assistance, conducts preventive and wellness activities among the population;</p>
14	The form of education	Full-time
15	The language of instruction	Kazakh, Russian and English
16	The duration of the training	2 years
17	Volume of loans	120
18	Academic degree awarded, qualification	doctor
19	Availability of an appendix to the license for the	

	direction of training	
	Availability of OP accreditation	there is
	The term Accreditation Actions	<i>years</i>
20	Information about the disciplines	Appendix 1.2

Appendix 1.1

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

LO CC	LO 1	LO 2	LO 3	LO 4	LO 5	LO 6	LO 7	LO 8	LO 9	LO 10
CC 1	+	+	+	+	+	+	+	+	+	+
CC 2	+	+	+	+	+		+		+	
CC 3					+	+			+	+
CC 4	+	+	+					+	+	
CC 5	+	+	+	+	+	+	+		+	
CC 6					+	+	+	+	+	
CC 7	+	+	+	+	+	+	+		+	+

Learning outcomes

LO 1. RO1 Applies patient-centered care skills, uses interpersonal and communication skills with patients, their environment and colleagues in compliance with bioethical principles and patient rights ;

LO 2. Organizes its 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;

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. Practice outpatient admission, diagnosis, treatment, dynamic monitoring 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 adulthood 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. Assesses the clinical condition, levels of functional organ failure, complication of the disease requiring emergency care and determination of indications for hospitalization;

LO 9. Applies 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 wellness activities among the population;

Appendix 1.2

Matrix of achievability of competencies/learning outcomes

№	Name of the discipline	Brief description of the discipline	Cycle	Component	Loans	LO EP
1.	Outpatient 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 in the elderly. Algorithms for rational differential diagnosis, management tactics and dynamic monitoring of adults in outpatient settings for the most common diseases. Communication skills, patient support.	PD	OC	15	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
2.	Outpatient 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	OC	15	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
3.	Children's infectious diseases in GMP	Organization of assistance to children with infectious diseases in primary health care. Tactics of management of children with infectious pathology at outpatient levels in accordance with the principles of evidence-based medicine: diagnosis, differential diagnosis, appointment of laboratory instrumental examination, determination of indications for hospitalization, treatment, criteria for discharge and hospital. Follow-up. Prevention (non-specific and specific). WHO program "Integrated management of childhood diseases"	PD	OC	3	LO 6 LO 7 LO 8 LO 9 LO 10
4.	Preventive Pediatrics	The IVBDV program. Antenatal prevention. Prenatal care. Prenatal diagnosis. Preventive and curative care for newborns and premature infants in primary school. Neonatal screenings. Audiological screening. Borderline conditions of newborns. Automated information system.	PD	OC	4	LO 4 LO 5 LO 6 LO 7 LO 8 LO 9

		Medical examination. Effective communication in teamwork in solving patient problems, self-esteem, self-control.				LO 10
5.	Outpatient cardiology	Organization of cardiological care for the adult population of the Republic of Kazakhstan on an outpatient basis. 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 hypertension and CHF. Indications for hospitalization. Emergency and emergency medical care for adult cardiological patients. Communication skills, self-control, patient support.	PD	OC	3	LO1 LO 2 LO 3
6.	Clinical pharmacology in GMP	The clinical pharmacology clinic, on the justification and conduct of effective therapy using evidence-based medicine data, is aimed at forming and consolidating knowledge on pharmacological thinking, the proper use of clinical protocol based on individual drug selection and their dosages to increase the effectiveness and safety of pharmacotherapy, taking into account the pathological and physiological profile of the patient	PD	OC	3	LO5 LO 8
7.	Infectious diseases in the GMP	Algorithms for early differential diagnosis and 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	OC	5	LO 1 LO 4 LO 6 LO 7
8.	Phthiology in the GMP	Theoretical foundations of phthiology" Organization of tuberculosis care, Diagnosis of tuberculosis "Tuberculosis dispensary" "Diagnosis of tuberculosis" "Clinic of pulmonary tuberculosis" "Extrapulmonary tuberculosis", Treatment of tuberculosis	PD	OC	3	LO 1 LO 4 LO 6 LO 7
9.	Obstetrics and gynecology in GMP	Organization of health protection for women of fertile age in the Republic of Kazakhstan. Dispensary supervision during the entire period of physiological pregnancy at various levels of outpatient service. Management and reception of physiological childbirth. Principles of organization of gynecological care for girls and adolescents. Competencies in this field are mandatory for graduates of the General Medicine educational program, who must know the	PD	OC	8	LO 1 LO 3 LO 4 LO 5 LO 6

		clinical and physiological characteristics of the female body at various age periods, carry out therapeutic and diagnostic, preventive, rehabilitative measures of physiological and pathological obstetrics and gynecology.				
10.	Psychiatry and narcology in the GMP	Socio-legal organization of neurological and psychiatric care at the primary health care level. Diagnosis 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 wellness measures among the attached population. Communication skills, self-control, self-esteem, patient support.	PD	OC	4	LO1 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
11.	Neuroscience in the GMP	Fundamentals of neurology. Diagnostic research methods in neurology. Methods of treatment of neurological patients. Diseases of the peripheral nervous system. Infectious and infectious-allergic diseases of the central nervous system. Chronic progressive diseases of the nervous system. Manual therapy. Fundamentals of the organization of manual therapy services in the Republic of Kazakhstan. General principles of manual therapy. Manual therapy for various diseases	PD	OC	5	PO1 PO2 PO3 PO7 PO8 PO9
12.	Internal diseases in GMP	Diagnosis, treatment, prevention, dispensary supervision, rehabilitation, medical, social and emergency care for adult patients based on modern methods and scientific data. Working with documentation in an electronic system. Communication skills, self-control, patient support. Mastering research skills in the field of therapy.	PD	OC	15	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
13.	Childhood diseases in GMP	Diagnosis, treatment, prevention, dispensary supervision, rehabilitation, medical, social and emergency care for children based on modern methods and scientific data. Patronage of pregnant women and young children. Preventive examinations. Working with documentation in an electronic system. Communication skills, self-control, patient support. Mastering research skills in the field of pediatrics.	PD	OC	15	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
14.	Extragenital pathology in pregnant women at the level of PHC	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.	PD	OC	4	PO3 PO4 PO5 PO6 PO7

		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.				PO9 PO10
15.	Geriatrics in the practice of GPM	Senile asthenia syndrome, definition, clinic, diagnosis, treatment The main geriatric syndromes: falls, sarcopenia, osteoporosis, malnourishment syndrome, functional dependence, depression, dementia, urinary incontinence, sleep disorders, polypragmasia, pain syndrome, sensory deficits. Comprehensive geriatric assessment. Assessment of drug safety for elderly patients Management of elderly patients with cardiovascular diseases and senile asthenia syndrome. Management of elderly patients with functional disorders (low mobility, cognitively impaired) Management of patients with falls Management of elderly patients with malnourishment syndrome	PD	OC	3	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
16.	Surgical diseases in GMP	management of patients with surgical and oncological diseases based on modern methods and scientific data. Information technology in surgery. Effective communication in teamwork in solving patient problems. Working with documentation in an electronic system. Communication skills, self-control, patient support. Surgical research skills.	PD	OC	8	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
17.	Oncology in GMP	General principles of diagnosis, treatment, prevention and rehabilitation of patients with oncological diseases in conditions of AFP/SEE Oncological diseases of the gastrointestinal tract. Comprehensive treatment. Rehabilitation in conditions of AFP/SEE Breast cancer. Malignant tumors of soft tissues and bones. Comprehensive treatment. Rehabilitation in conditions of AFP/SEE Lung cancer, prostate cancer of the urinary tract. Comprehensive treatment. Rehabilitation in conditions of AFP /CM Malignant tumors of the head, neck, bones of the skeleton. Rehabilitation in conditions of AFP/SM	PD	OC	3	LO1 LO 2 LO 3 LO 4 LO 5 LO 6 LO 7 LO 8 LO 9 LO 10
18.	Final state certification	Determination of the final level of mastering the academic disciplines of the internship by testing and evaluating clinical skills through an objective structured clinical exam			4	LO 2 LO 4 LO 5 LO 07