

Ministry of Healthcare of the Republic of Kazakhstan
“West Kazakhstan Marat Ospanov Medical University” JSC

Approve
Chairman of the Board – Rector
_____ Kaliev A.A.
« _____ » _____ 2022

CALENDAR AND THEMATIC PLAN

**of advanced training cycles (AT) and certification courses
for specialists with higher and secondary medical education
for 2023**

Aktobe, 2022

№	Name of advanced training cycle / certification course	Type of training	Duration of study, credits/hours/week	Form of study	Terms of study	Contingent of listeners	Responsible department
1	2	3	4	5	6	7	8
Department of Internal Diseases №2 Department head - Kurmanalina Gulnar Lukpanovna							
1	Clinical echocardiography	AT	4 cr/120 h/2 week	full-time	09.01-20.01.2023	therapists, general practitioners, cardiologists	Department of Internal Diseases №2
2	Selected issues of cardiology	AT	4 cr/120 h/2 week	full-time	30.01 - 10.02.2023 16.10 - 28.10.2023	therapists, general practitioners, cardiologists	Department of Internal Diseases №2
3	Topical issues of endocrinology	AT	4 cr/120 h/2 week	full-time	13.02 - 24.02.2023	therapists, general practitioners, cardiologists, endocrinologists	Department of Internal Diseases №2
4	Topical issues of therapy	AT	8 cr/240 h/4 week	full-time	03.04 - 28.04.2023	therapists, general practitioners, endocrinologists, cardiologists	Department of Internal Diseases №2
5	Selected issues of gastroenterology	AT	4 cr/120 h/2 week	full-time	15.05 - 26.05.2023	therapists, general practitioners, gastroenterologists	Department of Internal Diseases №2
6	Echocardiography questions	AT	4 cr/120 h/2 week	full-time	02.10 –14.10.2023	cardiologists, functionalists, therapists, ultrasound doctors	Department of Internal Diseases №2
7	Selected Therapy Questions	AT	4 cr/120 h/2 week	full-time	06.11 –17.11.2023	therapists, general practitioners, cardiologists	Department of Internal Diseases №2
8	Modern aspects of managing patients with chronic heart failure	AT	2 cr/ 60 h/ 1 week	full-time	27.03 - 31.03.2023	therapists, general practitioners, cardiologists	Department of Internal Diseases №2
9	Extragenital pathology during pregnancy	AT	2 cr/ 60 h/ 1 week	full-time	20.11 –24.11.2023	therapists, general practitioners	Department of Internal Diseases 2
Rehabilitation course							
1	Modern principles of medical rehabilitation for breast cancer	AT	2 cr/ 60 h/ 1 week	full-time	15.05 - 19.05.2023	rehabilitation specialists, therapists,	Department of internal Diseases

						general practitioners, family medicine doctors, oncologists, mammologists	№2 with a course of rehabilitation
2	Modern principles of medical rehabilitation in coronary heart disease	AT	2 cr/ 60 h/ 1 week	full-time	17.04 - 21.04.2023	rehabilitation specialists, therapists, general practitioners, family medicine doctors, cardiologists	Department of internal Diseases №2 with a course of rehabilitation
3	Modern principles of medical rehabilitation in COPD	AT	2 cr/ 60 h/ 1 week	full-time	13.03 - 17.03.2023	rehabilitation specialists, therapists, general practitioners, family medicine doctors, pulmonologists	Department of internal Diseases №2 with a course of rehabilitation

Department of Neurology
Department head - Ermagambetova Aigul Pazyzbekovna

1	Topical issues of neurology	AT	8 cr/ 240 h/ 4 week	full-time	03.04 - 28.04.2023	neurologists	Department of Neurology
2	Differential diagnosis of neurodegenerative diseases	AT	4 cr/ 120 h/ 2 week	full-time	12.06 - 23.06.2023	neurologists	Department of Neurology
3	New opportunities for the diagnosis and treatment of multiple sclerosis	AT	4 cr/ 120 h/ 2 week	full-time	09.10 - 20.10.2023	neurologists	Department of Neurology
4	Acute demyelinating autoimmune diseases of the nervous system: timely diagnosis is the key to a successful outcome	seminar	3 hours	full-time	September 2023	neurologists, general practitioners, therapists	Department of Neurology
5	Clinical and differential diagnosis of Parkinson's disease	seminar	3 hours	full-time	November 2023	neurologists, general practitioners, therapists	Department of Neurology
6	Modern aspects of diagnosis and treatment of cerebral strokes	seminar	3 hours	full-time	March 2023	neurologists, general practitioners, therapists	Department of Neurology
7	The place of acute neuroinfections in the modern world	seminar	3 hours	full-time	May 2023	neurologists, general practitioners, therapists	Department of Neurology
8	Epilepsy: modern approaches to diagnosis and treatment	seminar	3 hours	full-time	February 2023	neurologists, general practitioners, therapists	Department of Neurology

Department of Neurology with a course in psychiatry and narcology
Department head - Ayaganov Dinmukhamed Nurnyazovich

1.	Epileptology of childhood	AT	2 cr/ 60 h/ 1 week	full-time	06.02 - 10.02.2023	pediatric neurologists, general practitioners, pediatricians, rehabilitation specialists	Department of Neurology with a course in psychiatry and narcology
2	Topical issues in the diagnosis of movement disorders in young children	AT	2 cr/ 60 h/ 1 week	full-time	03.04 - 07.04.2023	pediatric neurologists, general practitioners, pediatricians, rehabilitation specialists	Department of Neurology with a course in psychiatry and narcology
3	Hereditary neuromuscular diseases. Questions of diagnostics and therapy.	AT	2 cr/ 60 h/ 1 week	full-time	01.11 - 05.11.2023	pediatric neurologists, general practitioners, pediatricians, rehabilitation specialists	Department of Neurology with a course in psychiatry and narcology
4	Rehabilitation of children with cerebral palsy	AT	2 cr/ 60 h/ 1 week	full-time	04.12 - 08.12.2023	pediatric neurologists, general practitioners, pediatricians, rehabilitation specialists	Department of Neurology with a course in psychiatry and narcology
5	Clinical Neurophysiology	Certificate Course	32 credit/ 960 h.	full-time	04.09 - 22.12.2023	neurologists, pediatric neurologists	Department of Neurology with a course in psychiatry and narcology
6	Topical issues of psychiatry and narcology	AT	4 cr/ 120 h/ 2 week	full-time	13.02 - 24.02.2023 15.05 - 26.05.2023 18.09 - 30.09.2023 13.11 - 24.11.2023	psychiatrists narcologists	Department of Neurology with a course in psychiatry and narcology Professor Pavlenko V.P.
7	Examination of alcoholic, narcotic and substance abuse intoxication	AT	4 cr/ 120 h/ 2 week	full-time	17.04 - 28.04.2023 02.10 - 24.11.2023	psychiatrists, narcologists	Department of Neurology with a course in psychiatry and narcology Professor Pavlenko V.P.
8	Narcology	Certificate	15 credit/ 450 h.	full-time	11.09 - 02.11.2023	psychiatrists	Department of

		Course					Neurology with a course in psychiatry and narcology Professor Pavlenko V.P.
Department of Family Medicine Department head – Zhamalieva Lazzat Mambetzhonovna							
1	Rehabilitation of patients after cardiovascular events in PHC	AT	4 cr/ 120 h/ 2 week	full-time	22.05 - 02.06.2023	general practitioners, therapists, pediatricians, obstetrician-gynecologists	Department of Family Medicine Ass.Proff. Zhamalieva L.M.
2	Hospice and palliative care	AT	4 cr/ 120 h/ 2 week	full-time	16.01 -20.01.2023 13.02 -17.02.2023 13.03 -17.03.2023 13.04 -17.04.2023	healthcare organizers, family and district doctors, nurses, members of mobile teams, psychologists, social workers	Department of Family Medicine Ass.prof., c.m.s. Ostrecova T.P.
3	Communication skills in the clinical work of a general practitioner at the PHC level	AT	2 cr/ 60 h/ 1 week	full-time	May 2023 October 2023	general practitioners, therapists, pediatricians, obstetrician-gynecologists, healthcare organizers	Department of Family Medicine Ass.prof., c.m.s. Mamyrbayeva M.A.
4	Resolution of conflict situations between medical workers and patients	AT	2 cr/ 60 h/ 1 week	full-time	June 2023 November 2023	doctors of all specialties	Department of Family Medicine Ass.prof., c.m.s. Mamyrbayeva M.A.
5	Practical gerontology	AT	2 cr/ 60 h/ 1 week	full-time	17.04 -21.04.2023	therapists, general practitioners, family medicine doctors, gerontologists, endocrinologists, nephrologists, rheumatologists, gastroenterologists	Department of Family Medicine Ass.Proff. Zhamalieva L.M.

6	Features of medical and social rehabilitation of elderly and senile people	AT	4 cr/ 120 h/ 2 week	full-time	19.06– 30.06.2023	therapists, general practitioners, family medicine doctors, gerontologists, endocrinologists, nephrologists, rheumatologists, gastroenterologists	Department of Family Medicine Ass.Proff. Zhamalieva L.M.
7	Selected questions for gastroenterologists in the PHC setting	AT	4 cr/ 120 h/ 2 week	full-time	20.02– 03.03.2023	therapists, general practitioners, family medicine doctors, gastroenterologists	Department of Family Medicine Ass.Proff. Zhamalieva L.M.
8	Medically Unexplained Symptoms in PHC: Epidemiology and Classification	AT	2 cr/ 60 h/ 1 week	full-time	13.02 -17.02.2023	therapists, general practitioners, family medicine doctors, gerontologists, endocrinologists, nephrologists, rheumatologists, gastroenterologists	Department of Family Medicine Ass.Proff. Zhamalieva L.M.
9	Rational pharmacotherapy in outpatient practice	AT	2 cr/ 60 h/ 1 week	full-time	February 2023	doctors of all specialties	Department of Family Medicine Ass.prof., c.m.s. Ostrecova T.P.
10	Antibiotics: the benefits and dangers of their use	AT	2 cr/ 60 h/ 1 week	full-time	March, April 2023	doctors of all specialties	Department of Family Medicine Ass.prof., c.m.s. Ostrecova T.P.
Department of General Medical Practice №2 Responsible assistant professor – Dilmagambetova Gaukhar Saruarovna							
1	Immunoprophylaxis in children	AT	4 cr/ 120 h/ 2 week	full-time	20.02– 03.03.2023 16.10 - 27.10.2023	general practitioners, pediatricians	Department of General Medical Practice №2
2	First Aid Tactics -BLS. ACLS	AT	2 cr/ 60 h/ 1 week	full-time	27.02 - 03.03.2023	Doctors of all specialties	Department of General Medical Practice №2
3	Family planning	AT	2 cr/ 60 h/ 1 week	full-time	13.03 - 17.03.2023	general practitioners	Department of

					25.09 - 29.09.2023		General Medical Practice №2
4	Integrated Management of Childhood Illness	AT	2 cr/ 60 h/ 1 week	full-time	03.04– 07.04.2023	general practitioners, pediatricians	Department of General Medical Practice №2
5	Aspects of dermatology in the practice of a general practitioner	AT	4 cr/ 120 h/ 2 week	full-time	03.04– 14.04.2023	general practitioners, therapists	Department of General Medical Practice №2
6	Universally progressive model of patronage for pregnant women and young children	AT	4 cr/ 120 h/ 2 week	full-time	10.04– 21.04.2023 13.11 - 24.11.2023	general practitioners, pediatricians	Department of General Medical Practice №2
7	Diet therapy for type 2 diabetes	AT	2 cr/ 60 h/ 1 week	full-time	15.05– 19.05.2023 06.11 - 10.11.2023	general practitioners	Department of General Medical Practice №2
8	Electrocardiography in general medical practice	AT	4 cr/ 120 h/ 2 week	full-time	12.06 - 23.06.2023 02.10 - 12.10.2023	general practitioners	Department of General Medical Practice №2
9	Disease Management Program	AT	2 cr/ 60 h/ 1 week	full-time	01.06– 07.06.2023	general practitioners, therapists	Department of General Medical Practice №2
Department of Public Health and Health Department head – Ermukhanova Ludmila Sergeevna							
1	Current Public Health and Health Issues	AT	4 cr/ 120 h/ 2 week	full-time	16.01 - 26.01.2023	heads of medical organizations, their deputies, healthcare organizers	Department of Public Health and Health, Ass.prof., c.m.s. Kenzhebaeva I.B.
2	Current Public Health and Health Issues	AT	8 cr/ 240 h/ 4 week	full-time/ remote	06.02 - 03.03.2023	heads of medical organizations, their deputies, healthcare organizers	Department of Public Health and Health; Ass.prof., c.m.s. Kenzhebaeva I.B.
3	Internal audit	AT	4 cr/ 120 h/ 2 week	full-time/ remote	16.05 - 27.05.2023	doctors experts of the patient support service and internal audit, deputy chief doctors for quality, auditors	Department of Public Health and Health; Ass.prof., c.m.s. Ermukhanova L.S..

4	Healthcare management	AT	4 cr/ 120 h/ 2 week	full-time/ remote	06.10 - 26.10.2023	heads of medical organizations, their deputies, managers	Department of Public Health and Health; Ass.prof., c.m.s. Ermukhanova L.S..
Department of Surgical Diseases №2 Department head – Zhakiev Pazylbek Sagidullaevich							
1	Topical issues of purulent surgery	AT	4 cr/ 120 h/ 2 week	full-time	10.04 - 21.04.2023	surgeons	Department of Surgical Diseases №2 Zkakiev P.S. Karsakbaev U.G.
2	Topical issues of emergency surgery	AT	4 cr/ 120 h/ 2 week	full-time	13.02 - 24.02.2023	surgeons	Department of Surgical Diseases №2 Zkakiev P.S. Kononenko A.F.
3	Endoscopic surgery in adults	AT	4 cr/ 120 h/ 2 week	full-time	March 2023	surgeons	Department of Surgical Diseases №2 Elemesov A.A. Kelimberdiev M.S.
4	Features of emergency surgical tactics in acute surgical diseases in pregnant women	AT	5 cr/ 150 h	Full-time	October 2023	surgeons, obstetrician-gynecologists, anesthesiologist-resuscitator.	Department of Surgical Diseases №2 Zkakiev P.S. Karsakbaev U.G.
5	Current issues of phlebology	AT	4 cr/ 120 h/ 2 week	full-time	November 2023	surgeons, vascular surgeons	Department of Surgical Diseases №2 Zkakiev P.S. Kononenko A.F.
6	Phlebology	Certificate Course		full-time	September-December 2023	General Surgeons	Department of Surgical Diseases №2 Zkakiev P.S. Kononenko A.F.

Department of Pediatric Surgery							
Department head – Tusupkaliyev Asylbek Balashevich							
1	Innovative methods in pediatric surgery	AT	5 cr/ 150 h	full-time	March 2023	Pediatric surgeons, general surgeons	Department of Pediatric Surgery, Ass.prof. Tusupkaliyev A.B.
2	Topical issues of pediatric coloproctology	AT	4 cr/ 120 h/ 2 week	full-time	February 2023	Pediatric surgeons, general surgeons	Department of Pediatric Surgery, Prof. Jenaliev B.K.
3	Selected issues of pediatric traumatology	AT	4 cr/ 120 h/ 2 week	full-time	June 2023	pediatric traumatologists	Department of Pediatric Surgery Ass.prof. Baubekov Zh.T.
4	Neonatal surgery	Certificate Course	24 credit/ 720 hours	full-time	12.09-05.12.23	Pediatric surgeons	Department of Pediatric Surgery Ass.prof. Bisaliev B.N.
5	Traumatology/ orthopedics for children	Certificate Course	30 cr/ 900 hours	full-time	12.09-28.12.23	Pediatric surgeons	Department of Pediatric Surgery Ass.prof. Baubekov Zh.T.
6	Methods of surgical correction of Hirschsprung's disease	Master class- lecture	3 hours	full-time/ remote	May 2023	Pediatric surgeons, general surgeons	Department of Pediatric Surgery, Prof. Jenaliev B.K.
Department of Oncology							
Department head - Koishibaev Arip Kobekovich							
1	Algorithms for diagnosing malignant neoplasms	AT	4 cr/ 120 h/ 2 week	full-time	06.02 - 17.02.2023	oncologists	Department of Oncology Koishibaev A.K.
2	Oncological alertness in the practice of a local doctor	AT	2 cr/ 60 h/ 1 week	full-time	10.04 - 14.04.2023	general practitioners, therapists	Department of Oncology Ass.prof. Urazaev O.N.
3	Current issues in the diagnosis and treatment of breast cancer	AT	4 cr/ 120 h/ 2 week	full-time	05.06- 16.06.2023	oncologists	Department of Oncology Ass.prof. Urazaev O.N.

Department of Clinical Laboratory Diagnostics Department head – Batyrova Gulnara Arystangaliyeva							
1	Enzyme immunoassay methods in the diagnosis of diseases	AT	4 cr/ 120 h/ 2 week	full-time	16.01 - 27.01.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
2	PCR-diagnostics of infectious diseases	AT	4 cr/ 120 h/ 2 week	full-time	06.02 - 17.02.2023 14.11 - 25.11.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
3	Laboratory diagnosis of COVID-19	AT	4 cr/ 120 h/ 2 week	full-time	13.03 - 24.03.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
4	Topical issues of clinical laboratory diagnostics	AT	8 cr/ 240 h/ 4 week	full-time	03.04 - 28.04.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
5	Laboratory diagnostics of the hemostasis system	AT	4 cr/ 120 h/ 2 week	full-time	15.05 - 26.05.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
6	Innovative technologies in clinical laboratory diagnostics	AT	4 cr/ 120 h/ 2 week	full-time	18.09 - 29.09.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.
7	Quality control of laboratory research	AT	2 cr/ 60 h/ 1 week	full-time	09.10 - 13.10.2023	doctors - laboratory assistants	Department of Clinical Laboratory Diagnostics Ass.prof. Zhumagulova S.S.

Department of Children's Diseases №2 Department head– Kim Svetlana Valentinovna							
1	Oncological alertness and early diagnosis of oncological diseases in children	AT	2 cr/ 60 h/ 1 week	full-time	April 2023	pediatricians	Department of Children's Diseases №2
2	Actual problems of pediatrics	AT	8 cr/ 240 h/ 4 week	full-time	October 2023 November 2023	pediatricians, general practitioners	Department of Children's Diseases №2
3	Current Issues in Pediatric Gastroenterology	AT	8 cr/ 240 h/ 4 week	full-time	May 2023	Pediatric gastroenterologists	Department of Children's Diseases №2
4	Pediatric gastroenterology	Certificate Course	22 cr/ 660 h.	full-time	October 2023	pediatricians	Department of Children's Diseases №2
Department of Obstetrics and Gynecology №2 Department head – Tusupkaliyev Akylbek Balashevich							
1	Diagnostic colposcopy	AT	4 cr/ 120 h/ 2 week	full-time	13.02 - 24.02.2023	obstetrician-gynecologists of inpatient and outpatient department	Department of Obstetrics and Gynecology №2 Ryzhkova S.N.
2	Topical issues of obstetrics and gynecology	AT	8 cr/ 240 h/ 4 week	full-time	27.03 - 21.04.2023	obstetrician-gynecologists, heads of departments of hospitals, maternity hospitals	Department of Obstetrics and Gynecology №2 Tusupkaliyev A.B. Ryzhkova S.N. Gubasheva G.K.
3	Antenatal monitoring of pregnant women	AT	4 cr/ 120 h/ 2 week	full-time	15.05 - 26.05.2023	obstetrician-gynecologists, general practitioners	Department of Obstetrics and Gynecology №2 Tusupkaliyev A.B. Ryzhkova S.N. Gubasheva G.K.
4	Management of normal and complicated pregnancies	AT	4 cr/ 120 h/ 2 week	full-time	18.09 - 29.09.2023	obstetrician-gynecologists, general practitioners	Department of Obstetrics and Gynecology №2 Tusupkaliyev A.B.

							Ryzhkova S.N. Gubasheva G.K.
Department of Otorhinolaryngology, Ophthalmology Department head - Japalakov Basir Aidarkhanovich							
1	New in otorhinolaryngology, including pediatric	AT	8 cr/ 240 h/ 4 week	full-time	01.02.23-28.02.23	otorhinolaryngologist	Department of Otorhinolaryngology, Ophthalmology
2	Innovative technologies in otorhinolaryngology	AT	4 cr/ 120 h/ 2 week	full-time	03.04.23-14.04.23	otorhinolaryngologist	Department of Otorhinolaryngology, Ophthalmology
3	Topical issues of pediatric otorhinolaryngology	AT	4 cr/ 120 h/ 2 week	full-time	15.05.23-26.05.23	otorhinolaryngologist	Department of Otorhinolaryngology, Ophthalmology
Department of Neurosurgery with Traumatology Course Department head - Biryuchkov Mikhail Yurievich							
1	Topical issues of traumatology and orthopedics (including children's)	AT	8 cr/ 240 h/ 4 week	full-time	03.04 - 28.04.2023	traumatologists-orthopedists	Department of Neurosurgery with Traumatology Course Ass.prof. Kushimov B.I.
2	Vascular Neurosurgery	AT	4 cr/ 120 h/ 2 week	full-time	06.02 –07.02.2023	neurosurgeons	Department of Neurosurgery with Traumatology Biryuchkov M.Yu.
3	Functional neurosurgery for epilepsy and Parkinson's disease	AT	4 cr/ 120 h/ 2 week	full-time	13.03 - 24.03.2023	neurosurgeons	Department of Neurosurgery with Traumatology Biryuchkov M.Yu.
4	Surgical treatment of degenerative diseases of the spine	AT	4 cr/ 120 h/ 2 week	full-time	10.04-21.04.2023	neurosurgeons	Department of Neurosurgery with Traumatology Biryuchkov M.Yu.
Department of Infectious Diseases and Children's Infections Department head - Kurmangazin Meirambek Saginaevich							
1	Current issues of infectious pathology	AT	4 cr/ 120 h/ 2 week	full-time	03.04-14.04.2023	infectiologists	Department of Infectious Diseases

							and Children's Infections
2	Emergency conditions in infection. Protocol for diagnosis and treatment.	AT	2 cr/ 60 h/ 1 week	full-time	15.05-19.05.2023	infectiologists, general practitioners, therapists	Department of Infectious Diseases and Children's Infections
3	COVID-19	AT	4 cr/ 120 h/ 2 week	full-time	09.10.-20.10.2023	infectiologists, general practitioners, therapists	Department of Infectious Diseases and Children's Infections
4	Treatment and care for HIV/AIDS	AT	3 cr/ 90 h/ 1,5 week	full-time	20.11-01.12.2023	infectiologists, general practitioners, therapists	Department of Infectious Diseases and Children's Infections
Department of Psychology (Radiology course) Responsible – prof. Shaikhimov Erkin Shaikhimovich							
1	Topical issues of emergency X-ray diagnostics	AT	8 cr/ 240 h/ 4 week	full-time	03.04 - 28.04.2023	radiologists	Department of Psychology Shaihimov E.Sh.
2	Topical issues of differential radiodiagnosis	AT	4 cr/ 120 h/ 2 week	full-time	13.11 - 24.11.2023	radiologists	Department of Psychology Shaihimov E.Sh.
Department of Anaesthesiology and Reanimation Department head - Sarkulova Zhanslu Nukenovna							
1	Anesthesiology and resuscitation for adults, children (with in-depth study of new technologies)	AT	8 cr/ 240 h/ 4 week	full-time	02.10 - 27.10.2023 01.11- 09.11.2023	anesthesiologist-resuscitator	Department of Anaesthesiology and Reanimation
2	Intensive care of acute respiratory failure, including COVID-19	AT	4 cr/ 120 h/ 2 week	full-time	06.11 - 17.11.2023	anesthesiologist-resuscitator	Department of Anaesthesiology and Reanimation
3	Organization of infusion-transfusion therapy in a hospital, including in obstetric practice	AT	4 cr/ 120 h/ 2 week	full-time	20.11 - 01.12.2023	anesthesiologist-resuscitator	Department of Anaesthesiology and Reanimation
Department of Children's Diseases №1 Department head - Zhumalina Akmaral Kanashevna							
1	Organization of healthy nutrition for children up to a year	AT	2 cr/ 60 h/ 1 week	full-time	03. 04- 07.04.2023	pediatricians, gastroenterologists,	Department of Children's Diseases

						nutritionists	№1 with neonatology Zhumalina A.K.
2	Therapeutic nutrition for various diseases in children	AT	2 cr/ 60 h/ 1 week	full-time	15. 05- 19.05.2023	pediatricians, gastroenterologists, nutritionists	Department of Children's Diseases №1 with neonatology Zhumalina A.K.
3	Actual problems of modern neonatology	AT	4 cr/ 120 h/ 2 week	full-time	30. 01- 24.02.2023	Neonatologists, anesthesiologist-resuscitator, pediatric neurologist, pediatric cardiologist	Department of Children's Diseases №1 with neonatology Tusupkaliev B.T.
4	Neonatal care	AT	3 cr/ 90 h/ 1,5 week	full-time	June 2023	neonatologists	Department of Children's Diseases №1 with neonatology Tusupkaliev B.T.
5	Nutrition for young children	Training Seminar	3 hours	full-time	May 2023	pediatricians, gastroenterologists, nutritionists	Department of Children's Diseases №1 with neonatology Zhumalina A.K.
Department of Phthiology and Dermatovenereology Department head - Dilmagambetov Daniyar Saruarovich							
1	Topical issues of phthiology	AT	8 cr/ 240 h/ 4 week	full-time	06.02 - 17.02.2023	phthiatricians	Department of Phthiology and Dermatovenereology
2	Topical issues of phthiology	AT	4 cr/ 120 h/ 2 week	full-time	13.11 - 24.11.2023	phthiatricians	Department of Phthiology and Dermatovenereology
3	The role of a general practitioner in the early diagnosis and management of patients with tuberculosis in PHC	AT	2 cr/ 60 h/ 1 week	full-time	03.04 - 07.0.2023	therapists, general practitioners, family medicine doctors, phthiatricians	Department of Phthiology and Dermatovenereology
4	Topical issues of dermatovenereology	AT	4 cr/ 120 h/ 2 week	full-time	January 2023	dermatovenerologists	Department of Phthiology and

							Dermatovenereology Iztleuova G.M.
5	Selected issues of pediatric dermatovenereology	AT	4 cr/ 120 h/ 2 week	full-time	March 2023	dermatovenerologists	Department of Phthisiology and Dermatovenereology Iztleuova G.M.
6	Selected issues of dermatocosmetology	AT	4 cr/ 120 h/ 2 week	full-time	May 2023	dermatovenerologists, dermatocosmetologists	Department of Phthisiology and Dermatovenereology Iztleuova G.M.
7	Innovative methods for the diagnosis and treatment of severe forms of dermatosis and sexually transmitted infections	AT	4 cr/ 120 h/ 2 week	full-time	November 2023	dermatovenerologists, general practitioners, therapists, family medicine doctors, infectiologists	Department of Phthisiology and Dermatovenereology Iztleuova G.M.
Department of Microbiology, Virology and Immunology Department head - Kurmangalieva Saule Sidzhanovna							
1	Selected issues of bacteriology	AT	2 cr/ 60 h/ 1 week	Full-time, full-time/ remote	16.01.-20.01. 2023	bacteriologists	Department of Microbiology, Virology and Immunology Kurmangalieva S.S.
2	Topical issues of bacteriology	AT	5 cr/150 h/ 3 week	Full-time, full-time/ remote	06.02-24.02.2023	bacteriologists	Department of Microbiology, Virology and Immunology Kurmangalieva S.S.
3	Selected issues of allergology and immunology	AT	5 cr /150 h/ 3 week	Full-time, full-time/ remote	02.10.-20.10.2023	immunologists- allergists	Department of Microbiology, Virology and Immunology Kurmangalieva S.S., Khairullina Z.S.
4	Bacteriology	Certificate Course	24 cr /720 h/ 12 week	Full-time	04.09.-24.11.2023	Higher education in the specialties: "Medical and preventive business" "Public	Department of Microbiology, Virology and Immunology

						health"	Kurmangalieva S.S., Urekeshov B.S..
5	Immunology and allergology for adults and children	Certificate Course	24 cr /720 h/ 12 week	Full-time	03.04.-23.06.2023	Higher education in the specialties: General Medicine, Pediatrics	Department of Microbiology, Virology and Immunology Kurmangalieva S.S., Khairullina Z.S.
Department of Surgical Diseases №2, urology course Department head - Zhakiev Pazylbek Sagidullaevich							
1	Topical issues of urology and andrology	AT	6 cr /180 h/ 3 week	full-time	1 quarter 2023	urologists	Department of Surgical Diseases №2, urology course Prof., m.s.d. Kurmangaliev O.M.
2	Questions of urgent urology	AT	6 cr /180 h/ 3 week	full-time	2 quarter 2023	urologists	Department of Surgical Diseases №2, urology course Prof., m.s.d. Kurmangaliev O.M.
3	Innovative technologies in the diagnosis and treatment of urological diseases (endourology)	AT	4 cr/ 120 h/ 2 week	full-time	3 quarter 2023	urologists	Department of Surgical Diseases №2, urology course Prof., m.s.d. Kurmangaliev O.M.
4	Topical issues of neurourology	AT	4 cr/ 120 h/ 2 week	full-time	4 quarter 2023	urologists	Department of Surgical Diseases №2, urology course Prof., m.s.d. Kurmangaliev O.M.
Department of Epidemiology Department head – Urazaeva Saltanat Turakovna							
1	Topical issues of epidemiology	AT	8 cr/ 240 h/ 4 week	full-time	31.01 - 24.02.2023	Epidemiologists, (preventive medicine, hygiene, microbiology, Public Health specialists	Department of Epidemiology, m.s.c., Ass.prof. Urazaeva S.T.

2	Topical issues of epidemiology	AT	4 cr/ 120 h/ 2 week	full-time	03.04 - 14.04.2023	Epidemiologists, (preventive medicine, hygiene, microbiology, Public Health specialists)	Department of Epidemiology, m.s.c., Ass.prof. Urazaeva S.T., Ass.prof. Tusupkalieva K.Sh.
3	Epidemiology of healthcare-associated infections	AT	4 cr/ 120 h/ 2 week	full-time	15.05 - 26.05.2023 13.11 - 24.11.2023	Epidemiologists, (preventive medicine, hygiene, microbiology, Public Health specialists), heads of medical organizations, their deputies, heads of departments / heads of structural units with medical education.	Department of Epidemiology, m.s.c., Ass.prof. Urazaeva S.T.
4	Biosecurity and Biological Risk Mitigation Measures	AT	4 cr/ 120 h/ 2 week	full-time	04.12 - 08.12.2023	epidemiologists, heads of medical organizations, their deputies, heads of departments / heads of structural units with medical education	Department of Epidemiology, m.s.c., Ass.prof. Urazaeva S.T.

Department of Pharmacology
Department head - Smagulova Gaziza Azhmagievna

1	Strategy for monitoring antimicrobial therapy (SMAT) in the provision of inpatient care	Master Class	3 hours	full-time, remote	08.01.2023	Clinical pharmacologists, hospital doctors, general practitioners and doctors of other specialties	Musina A.Z. Zhankulova A.B. Esengubekova A.B. Kazangapova Zh.A. Ablakimova N.E.
2	Potentially dangerous drug interactions in physician practice	Master Class	3 hours	full-time, remote	08.05.2023	Clinical pharmacologists, hospital doctors, general practitioners	Musina A.Z. Zhankulova A.B. Esengubekova A.B. Kazangapova Zh.A.

						and doctors of other specialties	Ablakimova N.E.
Department of Normal Physiology Department head - Kaldybaeva Aiman Turganbaevna							
1	Updated questions of normal physiology	AT	4 cr/ 120 h/ 2 week	full-time	April 2023	Teaching staff of the Department of Normal Physiology	Department of Normal Physiology Prof. Nurgalieva R.E.
Department of Pathological Physiology Department head – Zheksenova Azhar Nikolaevna							
1	Selected Issues in Pathological Physiology	AT	4 cr/ 120 h/ 2 week	Full-time	09.01-20.01.2023	Teaching staff of the Department of Pathological Physiology, medical college teachers	Department of Pathological Physiology Zheksenova A.N.
Department of emergency medical care Department head - Saduov Mukhtar Abdualievich							
1	Algorithm for the provision of emergency emergency medical care in emergency conditions	AT	4 cr/ 120 h/ 2 week	full-time	April 2023	emergency and emergency room physicians	Department of emergency medical care
2	Topical issues of emergency medical care	AT	4 cr/ 120 h/ 2 week	full-time	May 2023	emergency and emergency room physicians	Department of emergency medical care
3	Provision of medical care at the prehospital stage in case of injuries	AT	2 cr/ 60 h/ 1 week	full-time	June 2023	emergency and emergency room physicians	Department of emergency medical care
Department of Hygienic Disciplines with Occupational Diseases Department head - Bermagambetova Saule Kabibulaevna							
1	Topical issues of occupational pathology and organization of medical examinations of industrial workers	AT	4 cr/ 120 h/ 2 week	full-time	15.05- 26.05.2023	occupational pathologists	Department of Hygienic Disciplines with Occupational Diseases
2	Hygiene of children and adolescents	Certificate Course	15 cr/ 450 h/ 7 week	full-time	27.03. -18.05.2023	Specialists of the sanitary and epidemiological service, public health	Department of Hygienic Disciplines with Occupational

						professionals	Diseases
3	Food hygiene	Certificate Course	15 cr/ 450 h/ 7 week	full-time	11.09. -30.10.2023	Specialists of the sanitary and epidemiological service, public health professionals	Department of Hygienic Disciplines with Occupational Diseases
4	Occupational health	Certificate Course	15 cr/ 450 h/ 7 week	full-time	23.01. -13.10.2023	Specialists of the sanitary and epidemiological service, public health professionals	Department of Hygienic Disciplines with Occupational Diseases
5	Communal hygiene	Certificate Course	15 cr/ 450 h/ 7 week	full-time	27.03.-18.05.2023	Specialists of the sanitary and epidemiological service, public health professionals	Department of Hygienic Disciplines with Occupational Diseases
6	Industrial hygiene	Certificate Course	15 cr/ 450 h/ 7 week	full-time	02.10.-20.11.2023	Specialists of the sanitary and epidemiological service, public health professionals	Department of Hygienic Disciplines with Occupational Diseases
AT Cycle «Bone marrow stem cell transplantation and topical issues of cell therapy»							
Responsible – d.m.s. Saparbaev Samat Sagatovich							
1	Bone marrow stem cell transplantation and topical issues of cell therapy	AT	4 cr/ 120 h/ 2 week	full-time	February 2023	therapists, surgeons, endocrinologists, neuropathologists, gastroenterologists, hepatologists, neurosurgeons, anesthesiologist-resuscitators, neurologists and heads of specialized departments	m.s.d., Ass. Prof. Saparbaev S.S.
Department of Surgical and Pediatric Dentistry							
Department head - Taganiyazova Aliya Adylovna							
1	Topical issues of maxillofacial surgery,	AT	8 cr/ 240 h/ 4 week	full-time	December 2023	Dentists	Department of

	including pediatric surgery						Surgical and Pediatric Dentistry
2	Actual problems of surgical dentistry	AT	4 cr/ 120 h/ 2 week	full-time	October 2023	Dentists	Department of Surgical and Pediatric Dentistry
Department of Dentistry Internship and Postgraduate Studies Department head - Uraz Raisa Mukadesovna							
1	Complications after endodontic root canal treatment	seminar	6 hours	Full-time, remote	during a year	Dentists	M.m.s. Borichevskaya Ya.S.
2	Methods of individual and professional oral hygiene	seminar	6 hours	Full-time, remote	during a year	For dentists, hygienists and assistants	M.m.s. Borichevskaya Ya.S.
3	Modern design features in the technology of manufacturing fixed dentures	seminar	6 hours	Full-time, remote	during a year	For dentists	M.m.s. Esengaliev E.T.
4	Modern methods of diagnosis and treatment of diseases of the oral cavity	seminar	8 hours	Full-time, remote	during a year	For dentists, hygienists and assistants	Ass.prof. Zhanabaeva G.B.
5	Digital technology in orthopedic dentistry	seminar	8 hours	Full-time, remote	during a year	For dentists	Prof. Uraz R.M.
6	Making a core inlay using Pattern Resin LS	Master Class	6 hours	full-time	during a year	For dentists	M.m.s. Esengaliev E.T.
Department of Evidence-Based Medicine and Scientific Management Department head – Sadykova Gulnar Mahatovna							
1	Implementation of the principles of evidence-based medicine in practical healthcare	AT	2 cr/ 60 h/ 1 week	full-time	May-June 2023	For doctors of all specialties, teaching staff	Department of Evidence-Based Medicine and Scientific Management
Department of Internal Diseases №1 Department head - Bazargaliev Erlan Shaimerdenovich							
1	Selected Issues in Diabetology	AT	2 cr/ 60 h/ 1 week	full-time	January 2023 December 2023	general practitioners, family medicine doctors, therapists, endocrinologists	Department of Internal Diseases №1, Ass.Prof. Kudabaeva H.I.
2	Inflammatory bowel disease (ulcerative colitis, Crohn's disease)	AT	2 cr/ 60 h/ 1 week	full-time	15.05– 19.05.2023	general practitioners, family medicine doctors, therapists, gastroenterologists,	Department of Internal Diseases №1, Ass.Prof. Bazargaliev E. Sh.

3	Hepatology	Certificate Course		full-time	September- November 2023	gastroenterologists (adults, children)	Department of Internal Diseases №1, Ass.Prof. Bazargaliev E. Sh.
4	Early diagnosis of inflammatory bowel disease in PHC	Master Class	4 hours	full-time	08.06.2023	general practitioners, family medicine doctors, therapists, gastroenterologists,	Department of Internal Diseases №1, Ass.Prof. Bazargaliev E. Sh.
5	Nodular goiter, management tactics, errors	Master Class	4 hours	full-time	May-June 2023	general practitioners, family medicine doctors, therapists, endocrinologists	Department of Internal Diseases №1, Ass.Prof. Kudabaeva H.I.
Department of Psychology Department head - Miraleeva Alua Islamchaevna							
1	Communication skills in clinical practice	AT	2 cr/ 60 h/ 1 week	full-time	13.03- 17.03.2023 15.05– 19.05.2023 05.06 - 09.06.2023	general practitioners, family medicine doctors, therapists, surgeons, obstetrician- gynecologists, emergency physicians	Department of Psychology Miraleeva A.I., Bekeshova G.U.
2	Resolving conflicts between doctor and patient	seminar	6 hours	full-time	At the request of the hospital	general practitioners, family medicine doctors, therapists, surgeons, obstetrician- gynecologists, emergency physicians	Department of Psychology Miraleeva A.I., Bekeshova G.U.
FOR MEDIUM MEDICAL WORKERS							
1	Nursing technologies with a course of emergency first aid	AT	4 cr/ 120 h/ 2 week	full-time	23.01– 03.02.2023 30.10 - 10.11.2023	nurses	Department of General Medical Practice №2
2	Immunoprophylaxis in children	AT	4 cr/ 120 h/ 2 week	full-time	20.02– 03.03.2023 16.10-27.10.2023	general practice nurses	Department of General Medical Practice №2
3	First Aid Tactics -BLS. ACLS	AT	2 cr/ 60 h/ 1 week	full-time	27.02– 03.03.2023	paramedics, nurses	Department of General Medical

							Practice №2
4	Integrated Management of Childhood Illness	AT	2 cr/ 60 h/ 1 week	full-time	03.04 - 07.04.2023	nurses	Department of General Medical Practice №2
5	Universally progressive model of patronage for pregnant women and young children	AT	4 cr/ 120 h/ 2 week	full-time	10.04– 21.04.2023 13.11 - 24.11.2023	nurses	Department of General Medical Practice №2
6	Disease Management Program	AT	2 cr/ 60 h/ 1 week	full-time	01.06 - 07.06.2023	nurses	Department of General Medical Practice №2
7	General Nursing Technologies	AT	4 cr/ 120 h/ 2 week	full-time	19.06– 30.06.2023	nurses	Department of General Medical Practice №2
8	Cancer alertness	AT	2 cr/ 60 h/ 1 week	full-time	18.09 - 23.09.2023	nurses	Department of Oncology
9	Antenatal care	AT	2 cr/ 60 h/ 1 week	full-time	15.05– 19.05.2023	midwives and paramedics	Department of Obstetrics and Gynecology №2
10	Modern biochemical research methods	AT	4 cr/ 120 h/ 2 week	full-time	20.03 - 31.03.2023	laboratory assistants	Department of CDL Ass.prof. Zhumagulova S.S.
11	Modern clinical research methods	AT	4 cr/ 120 h/ 2 week	full-time	22.05 - 02.06.2023	laboratory assistants	Department of CDL Ass.prof. Zhumagulova S.S.
12	Topical issues of linked immunosorbent assay diagnostics	AT	4 cr/ 120 h/ 2 week	full-time	06.11 - 17.11.2023	laboratory assistants	Department of CDL Ass.prof. Zhumagulova S.S.
13	Current aspects of the work of an operating room nurse	AT	4 cr/ 120 h/ 2 week	full-time	May 2023	Operating room nurses	Department of Surgical Diseases №2 Elemesov A.A. Kononenko A.F.
14	Current aspects of the work of a nurse in a surgical hospital	AT	4 cr/ 120 h/ 2 week	full-time	November 2023	nurses	Department of Surgical Diseases №2 Orazalin B.Zh. Kononenko A.F.

15	Issues of histological research methods in laboratory diagnostics	AT	4 cr/ 120 h/ 2 week	full-time	03.04-14.04.2023	laboratory assistant-morphologists, laboratory assistant-histologists, paramedical laboratory assistants, laboratory assistants	Department of Histology, Komekbai Zh.E.
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Annotation:

1. Additions and changes to the calendar and thematic plan of certification courses and employment cycles for specialists for 2023 are made as applications are received from medical organizations and regional health departments of the Republic of Kazakhstan
2. To conduct full-time training, it is necessary to form a group of at least 4 people.

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Head of the Professional Growth Center

A.S. Almagambetova