

**JALAL-ABAD INTERNATIONAL UNIVERSITY
FACULTY OF MEDICINE
DEPARTMENT OF CLINICAL DISCIPLINES**



**DEPARTMENT OF CLINICAL DISCIPLINES
OF JAIU**

English translation of the official informational and analytical material

Manas, 2026

1. General Description of the Department

The Department of Clinical Disciplines of Jalal-Abad International University is a key educational, scientific, clinical and methodological structural unit of the Faculty of Medicine. Its activities are aimed at ensuring practice-oriented training of students enrolled in higher professional education programmes in specialty 560001 “General Medicine”, taking into account national requirements, the needs of the healthcare system, and international benchmarks in medical education.

The Department integrates the clinical areas of internal medicine, surgery, pediatrics, obstetrics and gynecology, anesthesiology and resuscitation, infectious diseases, family medicine, evidence-based medicine, public health, radiology and functional diagnostics, as well as blocks of practical training and final certification. In the educational process, the Department ensures the connection between fundamental medical training, work in a real clinical environment, simulation-based learning, and objective assessment of competencies.

In the strategic context, the Department serves as one of the main mechanisms for implementing the mission of the Faculty of Medicine: to train qualified healthcare professionals capable of improving public health and the quality of life of the population through modern, innovative and lifelong medical education based on scientific research and clinical practice.

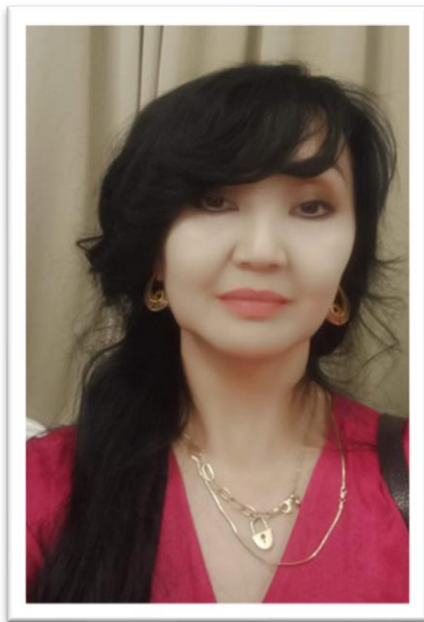
2. Historical Development of the Department

The history of the Department of Clinical Disciplines is closely connected with the establishment and development of the Faculty of Medicine at JAIU. In 2024, Jalal-Abad International University opened the Faculty of Medicine, which became an important step in the development of medical education in the region. The opening of the Faculty was driven by the need to train medical professionals capable of working in Kyrgyzstan, the CIS countries and abroad.

According to the structure of the University, in September 2024 the Faculty of Medicine began implementing programmes in specialty 560001 “General Medicine” with a standard duration of study of 5 and 6 years. During this period, educational programmes, methodological resources, clinical and simulation components of training were developed, and work began on strengthening partnerships with regional healthcare organizations and foreign clinics.

The Department of Clinical Disciplines was established at the Faculty of Medicine of JAIU by Order No. 83 dated August 30, 2025. Initially, the Department was headed by Sadyrova Nurgul Adylgazievna, an experienced teacher and organizer, author of scientific publications and participant in international conferences. Under her leadership, the Department began developing modern approaches to teaching clinical disciplines, implementing the principles of evidence-based medicine, and aligning its activities with international educational standards.

Since November 1, 2025, the Department has been headed by Tashieva Gulbara Samidinovna — Candidate of Medical Sciences, Associate Professor, obstetrician-gynecologist, family physician, ultrasound specialist and psychologist. The transition of the Department to a new stage of leadership is associated with strengthening the clinical, scientific, methodological and quality components of the educational process, developing competency-based assessment, practice-oriented learning and accreditation readiness.



Sadyrova N.A.



Tashieva G.S.

Figure 1. Main stages in the development of the Department of Clinical Disciplines of JAIU

3. Key Stages of Development

Table 1. Stages of Department Formation

No.	Period / Date	Event	Significance for the Department
1	2024	Opening of the Faculty of Medicine at JAIU	Creation of the institutional foundation for training medical personnel.
2	September 2024	Launch of the Faculty of Medicine programmes in specialty 560001 “General Medicine” with 5- and 6-year study tracks	Formation of educational programmes, clinical and methodological resources.
3	August 30, 2025	Establishment of the Department of Clinical Disciplines by Order No. 83	Separation of clinical training into an independent departmental area.
4	Since November 1, 2025	Appointment of Tashieva G.S. as Head of the Department	Strengthening the quality of clinical training, scientific and methodological work, and competency-based assessment.
5	2025–2026 academic year	Development of clinical bases, the simulation component, OSCE/OSPE and student scientific circles	Transition to a systematic model for developing clinical competencies.

4. Leadership and Human Resource Capacity of the Department

The Head of the Department, Tashieva Gulbara Samidinovna, has extensive experience in healthcare and medical education. According to the information published on the JAIU website, her total work experience is 39 years, including 29 years of teaching experience, 29 years of experience in education, and 39 years of experience in healthcare.

The professional profile of the Head of the Department includes expert activity in licensing, healthcare and education quality, international accreditation IAAR/NAAR, telemedicine, clinical training, development of syllabi, multiple-choice tests, psychometrics, clinical protocols, psychological first aid, and modern educational technologies. Her awards include certificates of honor from the mayor’s offices of Osh and

Jalal-Abad, the titles “Excellence in Healthcare of the Kyrgyz Republic” and “Excellence in Education of the Kyrgyz Republic”, as well as a Certificate of Honor from the Jogorku Kenesh.

The teaching staff of the Department includes experienced lecturers and practicing specialists.

Table 2. Staffing List

No.	Full Name	Position / Academic Degree
1	Tashieva Gulbara Samidinovna	Candidate of Medical Sciences, Associate Professor, Head of Department
2	Askerov Arsen Askerovich	Professor, Doctor of Medical Sciences
3	Astanov Shavkat Mominzhanovich	Lecturer
4	Atabekov Tenirberdi Shairbekovich	Lecturer
5	Abdykayymova Gulumkan	Lecturer
6	Azhikulova Venera Satybaldievna	Acting Associate Professor, Candidate of Medical Sciences
7	Zheenbaeva Ayperi Boronbaevna	Lecturer
8	Zhunusov David Nurlanbekovich	Assistant Lecturer
9	Kambarov Rustamzhan Alizhanovich	Assistant Lecturer
10	Kubanychbekov Yryskeldi Maksatbekovich	Assistant Lecturer
11	Makambay kyzy Aigerim	Assistant Lecturer
12	Mamadaliev Yuldoshboy Tashbolotovich	Lecturer
13	Murzabaeva Mokhirokhon Yuldashbaevna	Assistant Lecturer
14	Muydinov Fazliddin Faezidinovich	Acting Associate Professor, Candidate of Medical Sciences
15	Mamrazhapova Gulzavera Turatbekovna	Acting Associate Professor, Candidate of Medical Sciences
16	Orozbekova Bubusaira Tolobaevna	Professor, Doctor of Medical Sciences
17	Sadyrova Nurgul Adylgazievna	Acting Associate Professor, Candidate of Medical Sciences
18	Sadykov Askat Adylbekovich	Lecturer
19	Tashpolotova Anarkan Shabolotovna	Acting Associate Professor, Candidate of Medical Sciences
20	Tazhibaeva Aisuluu Talaibekovna	Lecturer
21	Turusbekova Akshoola Kozmambetovna	Acting Associate Professor, Candidate of Medical Sciences

22	Turgunbaev Temirlan Shabdanbekovich	Lecturer
23	Shamshiev Abdilatip Abdrakhmanovich	Acting Professor, Doctor of Medical Sciences
24	Ermatova Meerkan Kimsanovna	Lecturer
25	Eshbaev Abdasbek Asylbekovich	Acting Associate Professor, Candidate of Medical Sciences

5. Educational Activities and Disciplinary Profile

The Department provides teaching across a wide range of disciplines for the 5-year and 6-year General Medicine programmes. The disciplinary profile of the Department covers the main clinical cycles: internal medicine, surgery, pediatrics, obstetrics and gynecology, infectious diseases, phthysiology, neurology and neurosurgery, dermatovenerology, psychiatry and narcology, oncology, urology, traumatology and orthopedics, anesthesiology and intensive care, family medicine and outpatient care.

A special place is given to disciplines and practical training aimed at developing applied skills: care of therapeutic and surgical patients, nursing assistant practice, emergency medical assistant practice, hospital physician assistant practice, family medicine center physician assistant practice, interdisciplinary comprehensive examination, and interdisciplinary clinical examination OSCE.

The educational process is based on the principles of evidence-based medicine, clinical reasoning, interdisciplinary approach, patient-centered care, medical ethics, patient safety, and respectful treatment of vulnerable groups.

Table 3. List of Department Disciplines

General Medicine, 5-year programme: key blocks	General Medicine, 6-year programme: key blocks
• Obstetrics and gynecology	• Internal medicine
• Anesthesiology, intensive care, emergency conditions	• Pediatrics
• Infectious diseases	• Surgery
• Hospital surgery and hospital therapy	• Obstetrics and gynecology
• Dermatovenerology	• Anesthesiology, intensive care and emergency conditions
• Neurology with fundamentals of neurosurgery	• Infectious diseases

• Otorhinolaryngology and ophthalmology	• Neurology and neurosurgery
• Psychiatry and narcology	• Psychiatry and narcology
• Phthisiology	• Operative surgery
• Operative surgery	• Traumatology and orthopedics
• Oncology and palliative medicine	• Oncology
• Propedeutics of internal, pediatric and surgical diseases	• Pediatric surgery and pediatric traumatology
• Hematology	• Functional diagnostics
• Radiodiagnostics and imaging diagnostics	• Occupational diseases
• Public health and healthcare	• Public health and healthcare
• Faculty therapy, pediatrics and surgery	• Urology
• Epidemiology and tropical medicine	• Evidence-based medicine
• Family medicine / outpatient medicine	• Family medicine
• Clinical pharmacology	• Therapeutic physical training and medical supervision
• Traumatology and orthopedics	• Practical training and interdisciplinary final assessment
• Clinical laboratory diagnostics	
• Practical training and OSCE	

6. Clinical Bases and Practical Training

Practical training of students at the Faculty of Medicine is based on a network of clinics and officially affiliated clinical bases. The JAIU website indicates that the University has its own multidisciplinary clinic “Shifaa”, which is in the process of opening, as well as the clinics “Jarmukhamed” and “ISMAA-MED” under operational management. At these clinical bases, students master outpatient and inpatient therapy, surgery, pediatrics, family medicine and other areas under the supervision of lecturers and physician mentors.

The clinical infrastructure of the Department also includes long-term cooperation with healthcare institutions of the region: Jalal-Abad Regional Clinical Hospital, Regional Children’s Hospital, family medicine centers and city polyclinics. The total bed capacity of the clinical bases exceeds 595 beds, providing students with access to a wide range of therapeutic, surgical, pediatric and obstetric-gynecological clinical cases.

Early clinical exposure is an important feature of training: students are involved in clinical activities as early as the second semester, undergo preclinical training, participate in classes in therapeutic, surgical, pediatric, obstetric-gynecological and psychiatric departments, and become familiar with the work of emergency medical services.



*Figure 2. Clinical training of students of the Faculty of Medicine of JAIU
(Material from the official website of the University)*

7. Simulation-Based Learning and Competency Assessment

The JAIU Simulation Center is an important element of practical training for students of the Faculty of Medicine and serves as a basis for conducting OSCE/OSPE. The Center provides a safe educational environment where students can practice clinical skills before working with real patients.

Practical skills are developed in the specialized simulation center, phantom laboratories and clinical bases of the University. The educational process is organized step by step: from mastering basic communication and patient care skills in junior years to performing diagnostic and therapeutic procedures, analyzing clinical cases, and working as a physician assistant under the supervision of a teacher in senior years.

The assessment of competencies is carried out using OSCE/OSPE, Mini-CEX, DOPS, peer assessment, current assessment, testing, and data from eBilim. This increases the transparency, objectivity and validity of assessment of students' knowledge, practical skills and professional behavior.

8. Matrix of Department Activities

Table 4. Matrix of Department Activities

No	Area of Department Activity	Content of Work	Main Activities	Documents / Evidence	Performance Indicators
1	Educational and methodological work in clinical disciplines	Implementation of clinical disciplines in accordance with the educational programme, curricula and competency-based graduate model.	Development and updating of course programmes, syllabi, calendar-thematic plans, methodological guidelines; alignment of prerequisites; introduction of clinical cases.	Educational programme; curricula; course programmes; syllabi; educational-methodological complexes; Department meeting minutes; update sheets.	100% of disciplines are provided with educational-methodological complexes; annual updating; alignment of topics with competencies and learning outcomes.
2	Clinical training and bedside teaching	Development of clinical reasoning, examination skills, communication, patient management and medical documentation skills.	Practical classes at clinical bases; case discussions; bedside teaching; patient supervision; routing.	Agreements with clinical bases; journals; clinical assignments; checklists; reports; mentor feedback.	Share of classes conducted at clinical bases; mastery of skills; positive assessment results; reduction of learning gaps.
3	Organization of practical training	Coordination of student practical training in therapeutic, surgical, obstetric-gynecological, pediatric and other blocks.	Distribution of students; appointment of responsible persons; briefing; monitoring of logbooks; supervision;	Orders; practical training programmes; diaries/logbooks; schedules; grade sheets; references; reports.	100% of students are assigned and briefed; completed logbooks; final report and improvement

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			defense of reports.		plan are available.
4	Simulation-based learning	Practice of basic and advanced clinical skills in a safe educational environment before contact with patients.	Classes in the simulation center; emergency care scenarios; trainings in clinical blocks; debriefing.	Simulation center passport; scenarios; checklists; journals; photo reports; equipment inventory.	Number of simulation classes; proportion of trained students; improvement in OSCE/OSPE results.
5	Competency assessment: OSCE/OSPE, Mini-CEX, DOPS	Objective assessment of clinical, communication, procedural and professional competencies.	Development of stations; 100-point checklists; standardized patients; analysis of results.	OSCE/OSPE regulation; station bank; checklists; grade sheets; appeal protocols; final certification materials.	Transparent criteria; comparability of scores; reports on difficult stations; corrective actions.
6	Assessment tools and testology	Development of high-quality assessment materials: SBA items, cases, situational tasks, practical assignments.	Development of single-best-answer tests; review of distractors; blueprinting; updating the assessment tools bank.	Assessment tools; test specifications; blueprint; reviews; approval protocols; results analysis.	Availability of assessment tools for all disciplines; alignment with learning outcomes; elimination of ambiguous tasks.
7	Research work of teaching staff	Development of clinical science, evidence-based medicine and publication activity of teachers.	Research plan; conferences; articles; clinical observations; interdepartmental projects; work with the Ethics Committee.	Research plan; reports; publications; abstracts; certificates; Ethics Committee applications; seminar minutes.	Number of publications and presentations; participation of teaching staff in projects; implementation of research

					results in teaching.
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The matrix systematizes the key areas of work of the Department of Clinical Disciplines, the expected documentary evidence and performance indicators.

9. Research Activities and Student Scientific Circles

The research area of the Department is related to the development of modern methods for diagnosing and treating diseases in children and adults, the implementation of evidence-based medicine principles in the educational process, research in endocrinology, pediatrics and internal medicine, as well as interdepartmental projects and cooperation with healthcare institutions of the region.

The scientific topic of the Department is formulated as the development and implementation of clinical-diagnostic treatment strategies, optimization of early diagnosis and personalized treatment of diseases in children and adults based on evidence-based medicine and cooperation with healthcare institutions.

Student scientific circles serve as a mechanism for involving students in research activities, developing clinical reasoning, improving skills in analyzing medical information, and preparing scientific presentations.

Table 5. Information on Student Scientific Circles

No.	Supervisor	Discipline	Name of the Scientific Circle
1	Kambarov Rustambek	Surgery	“Surgery as the Foundation of Medical Craftsmanship”
2	Murzabaeva Mokhira Yuldashbaevna	Obstetrics and Gynecology	“Mater Vitae”
3	Arzykulova Ainagul Bakytbekovna	Internal Medicine	“Clinical Reasoning in Internal Medicine: From Symptom to Diagnosis”
4	Ermatova Meerkan Kimsanovna	Cycle of Pediatric Diseases	“Children’s Health”; “Little Patients – Big Knowledge”; “Current Issues in Pediatrics”
5	Zhunusov David Nurlanbekovich	Infectious Diseases. Immunology	“Micros Vita”

10. Quality, International Orientation and Development Prospects

The prospects of the Department are associated with further strengthening the integration of education, science and practical healthcare. It is planned to expand the network of clinical bases, develop the University's own clinical units, expand the bank of OSCE stations in key clinical disciplines, modernize the simulation infrastructure, and introduce digital tools for monitoring competencies.

An important area is the development of competency-based assessment with the integration of OSCE, Mini-CEX, DOPS, peer assessment, electronic practical training journals and the student's digital portfolio. This will increase the evidence base of learning outcomes, make assessment transparent for students and teachers, and strengthen the Department's readiness for state and international accreditation.

The Department is oriented toward the development of international cooperation, academic mobility of teachers and students, and participation in joint educational and research projects with foreign universities and clinics. This strategy contributes to the comparability of JAIU graduates' training with global requirements for physicians.

11. Conclusion

Over a short period of development, the Department of Clinical Disciplines of JAIU has become a strategically important structural unit of the Faculty of Medicine, ensuring the practical, clinical, methodological, scientific and assessment components of training future physicians.

The history of the Department reflects the progressive development of medical education at JAIU: from the opening of the Faculty of Medicine and the formation of educational programmes to the establishment of the Department, expansion of clinical bases, implementation of simulation-based learning, OSCE/OSPE, evidence-based medicine, student scientific circles and digital tools for competency assessment.

The further development of the Department will contribute to improving the quality of clinical training, strengthening human resource capacity, developing research activity among students and teachers, expanding partnerships with healthcare institutions, and increasing the competitiveness of JAIU graduates at the national and international levels.

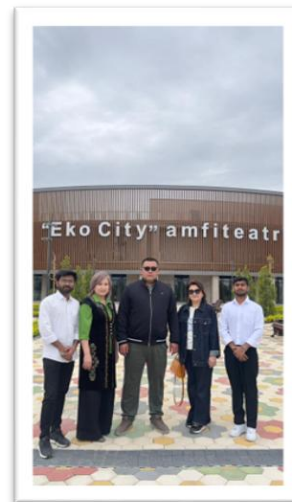
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Doctors of Medical Sciences, Professors.



Shamshiev Abdylatip Abdyrakhmanovich



Askerov Arsen Askerovich

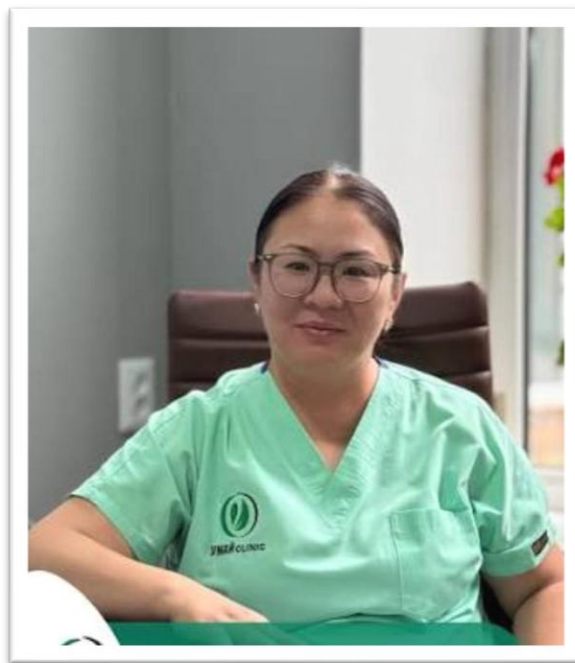


Orozbekova Bubusayra Tolobaevna

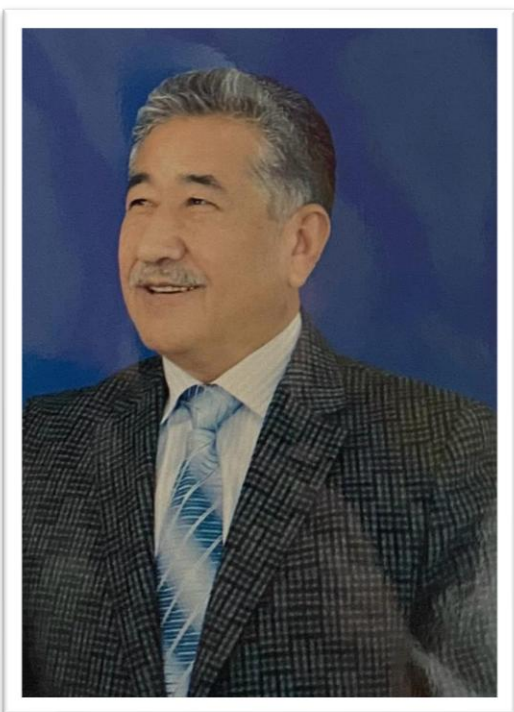
Candidates of Medical Sciences, Associate Professors



Tashbolotova Anara Shabolotovna



Mamazhapova Gulzavera
Turatbekovna



Eshbaev Abdasbek Asylbekovich



Azhikulova Venera Satvaldyevna



Turusbekova Akshoola Kozmambetovna.



Muidinov Fazliddin Fayozovich

Teachers, assistants and a laboratory assistant.



Astanov Shavkatbek Mominzhanovich.

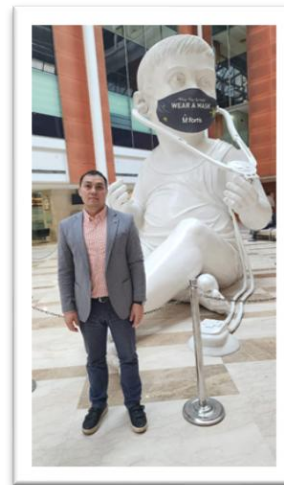
Kubanychbekov Yryskeldi
Maksatbekovich



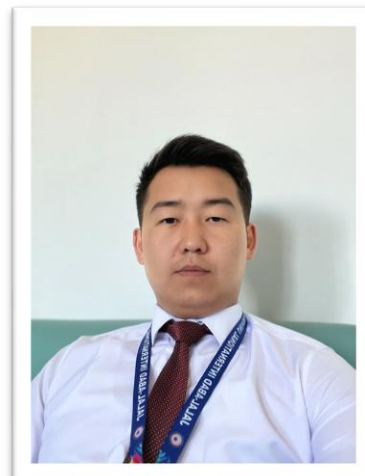
Zhunusov David Nurlanbekovich



Jeenbaeva Aiperi Boronbaevna



Mamadaliev Yuldashboy Tashbolotovich



Sydykov Askat Adylbekovich.



Rysbayeva Aigul Usmanzhanovna



Tenirberdi Shayyrbekovich

Atabekov



Turgunbaev Temirlan Shabdanbekovich



Kambarov Rustam Alizhanovich

PROFESSIONAL DEVELOPMENT OF TEACHING STAFF

Teachers' Certificates

The teaching staff of the Department regularly undergo professional development and receive certificates in various areas:

Tashieva Gulbara Samidinovna — “Active Teaching Methods”; “Pedagogy and Psychology of Higher Education”; “Formation of a Future Specialist in the System of University Training Based on Modern Technologies of Professional Education”; “The Future of Education: Using AI to Facilitate Work and Save Time” — 36 hours.

Sadyrova Nurgul Adylgazievna — “Gender Aspects of Psychology and Pedagogy”; “Innovative Methods of Simulation-Based Learning”; “Conducting Self-Assessment of Educational Programmes and Educational Institutions”, and others.

Astanov Shavkatbek Mominzhanovich — “Manager/Internal Auditor of Quality Management System”; “Active Teaching Methods in Medical Education”; “Clinical Immunology, Allergology and Infectology”, and others.

Arzykulova Ainagul Bakytbekovna — certificate of participation in the scientific and practical conference “Cardiology in Cardiac Surgery”; “Formative and Summative Assessment in Higher Education”.

Murzabaeva Mokhira Yuldashbaevna — “Integration of Traditional and Innovative Methods in Teaching Histology and Pathological Anatomy”.

Taalaibek kyzy Aida — “Phacoemulsification with Intraocular Lens Implantation in Cataract Surgery”; “Ophthalmology in Kyrgyzstan Today: A Look into the Future”.

Atabekov Tenirberdi Shairbekovich — “Current Issues in Pediatrics”; “Professional Development in Pedagogy”; “Innovative Methods of Simulation-Based Learning”, and others.

Ermatova Meerkan Kimsanovna — “Supportive Supervision in Improving the Quality of Inpatient Care”; “Provision of Inpatient Care for Children Based on the WHO Pocket Book”; “OSCE as a Tool for Assessing Professional Competencies in Higher Medical Education”, and others.

Zheenbaeva Ayperi Boronbaevna — participation in the 1st International Congress “Pediatrics at the Crossroads of Generations”; “OSCE as a Tool for Assessing Professional Competencies in Higher Medical Education”, and others.

RESEARCH ACTIVITIES OF THE DEPARTMENT

Research Areas

The research activities of the Department focus on the following areas:

Development of modern methods for the diagnosis and treatment of diseases in children and adults.

Implementation of the principles of evidence-based medicine in the educational process.

Research in the fields of endocrinology, pediatrics and internal medicine.

Interdepartmental research projects and cooperation with healthcare institutions of the region.

Research Topic of the Department

“Development and implementation of clinical and diagnostic treatment strategies, optimization of early diagnosis and personalized treatment of diseases in children and adults based on evidence-based medicine and cooperation with healthcare institutions.”

Author: Tashieva Gulbara Samidinovna – Head of the Department of Clinical Disciplines.