

To Accreditation Council of the
Eurasian Center for Accreditation and
Quality Assurance in Higher Education
and Health Care

09.03.2022

**REPORT
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE
EVALUATION OF THE EDUCATIONAL PROGRAMME
7R01123 - «PEDIATRIC SURGERY»
OF THE NEI "KAZAKH-RUSSIAN MEDICAL UNIVERSITY"
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS FOR
POSTGRADUATE EDUCATION PROGRAMMES (SPECIALTY OF
RESIDENCY) IN MEDICAL EDUCATIONAL INSTITUTIONS**

external expert evaluation period: 16-18 February 2022

Almaty, 2022

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List of symbols and abbreviations

Abbreviation	Designation
PBL	Problem-based learning
TBL	Team -based learning
university	Higher education institution
EEC	External expert commission
SAC	State Attestation Commission
SCES	State compulsory standard of education
CCCH No.2	Children's City Clinical Hospital No.2
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care
CEP	Educational Programmes Committee
KRMU	Kazakh-Russian Medical University
CED	Catalog of elective disciplines
MoH RK	Ministry of Health of the Republic of Kazakhstan
MES of RoK	Ministry of Education and Science of the Republic of Kazakhstan
NJSC	Non-profit joint-stock company
IAAR	Independent agency for accreditation and rating
RI	Research Institute
RW	Research work
NLA	Normative legal acts
NEI	Non-State educational institution
MC	Medical Center
EP	Educational programme
OSCE	Objective Structured Clinical Exam
PHC	Primary health care
TS	Teaching staff
WC	Work Curriculum
IWS	Independent work of the student (resident)
IWRT	Resident independent work under the supervision of a teacher
TCC	Training and Clinical Center
EMCD	Educational and methodological complex of the discipline
SC	Scientific Council

1. Composition of the external expert commission

In accordance with the ECAQA Order No. 02 dated 02.02.2022, an External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external evaluation of the educational programme "7R01123 - «Pediatric Surgery»" of the NEI "Kazakh-Russian Medical University" in the period from 16 to 18 February 2022, as follows:

order №	Status as part of EEC	Full name	Regalia, position, place of work/place of study, course, specialty
1	chairperson	Turgunov Ermek Meiramovich	Doctor of Medical Sciences, Professor of the Department of Surgical Diseases of the Medical University of Karaganda, member of the International Surgery Society
2	Foreign Expert	Nasyrov Ruslan Abdullaevich	doctor of Medical Sciences, Professor, Vice-Rector for Scientific Work, Head of the Department of Pathological Anatomy with the Course of Forensic Medicine of the St. Petersburg State Pediatric Medical University of the Ministry of Health of the Russian Federation, Member of the New York Academy of Sciences
3	Foreign Expert	Pozdeeva Tatyana Vasilyevna	doctor of Medical Sciences, Professor, Head of the Department of Economics, Management and Medical Law, Dean of the Faculty of Medicine and Prevention and the Faculty of Higher Nursing Education of the Volga Research Medical University of the Ministry of Health of the Russian Federation, Nizhny Novgorod
4	Kazakh Academic Expert	Zhumalina Akmaral Kanashevna	doctor of Medical Sciences, Professor, Head of the Department of Children's Diseases with Neonatology of the NJSC "West Kazakhstan State Medical University named after Marat Ospanov"
5	Kazakh Academic Expert	Ermukhanova Lyudmila Sergeevna	candidate of Medical Sciences, Head of the Department of Public Health and Health care of NJSC "West Kazakhstan Medical University named after Marat Ospanov", training coach Mandatory social health insurance of the Western region.
6	Kazakh Academic Expert	Akhmetova Almira Kalikapasovna	candidate of Medical Sciences, Associate Professor, Head of the Department of Dermatovenereology and Cosmetology of NJSC Semey Medical University
7	Kazakh Academic Expert	Kudabaeva Khatimya Ilyasovna,	candidate of Medical Sciences, Professor of the Department of Internal Diseases No.1 of "West Kazakhstan Medical University named after Marat Ospanov"
8	Kazakh Academic Expert	Sadieva Zhanar Zamankhanovna	anesthesiologist-resuscitator, head of the department of postgraduate education of JSC "South Kazakhstan Medical Academy".
9	Kazakh Academic Expert	Zhunosova Aigul Bitimbayevna	candidate of Medical Sciences, doctor – pediatrician of the highest category, director of the department of academic work of NJSC "Semey Medical University "
10	Kazakh Academic Expert	Tuleutaeva Raykhan Esenzhanovna	candidate of Medical Sciences, Head of the Department of Pharmacology and Evidence-Based Medicine, Semey Medical University
11	Kazakh Academic Expert	Tezekbaev Kanat Mardenovich	head of the Department of Traumatology and Orthopedics, Asfendiyarov Kazakh National Medical University
12	Kazakh Academic Expert	Rakhmanov Eltay Utemuratovich	PhD, Deputy Director of the Master's Degree in Sports Medicine and Rehabilitation, Instructor, School of Medicine, Nazarbayev University, organizer of educational, practical and research work of undergraduates in sports medicine and rehabilitation
13	Employers' representative	Zhazira Dzhumabekovna	deputy Chief Physician for pediatric SCP at the SPE on REM "City Polyclinic No.29"

		Moldabaeva	
14	Resident Representative	Ermekbai Aibek Amanzholuly	Resident of the second year of study in the specialty «Anesthesiology and resuscitation, including pediatric» of the «Asfendiyarov Kazakh National Medical University»

The observer for ECAQA is Umarova Makpal Aldibekovna, Head of Accreditation and Monitoring Department.

The work of the ECAQA was carried out in accordance with the Regulation of EEC (Order of the Director General of ECAQA No. 4 dated February 13, 2017).

The EEC report contains an assessment of the educational programme "7R01123 - «Pediatric Surgery»" for compliance with the Standards of accreditation of postgraduate programmes (specialty residency) of medical organizations of education and conclusions (hereinafter referred to as the Accreditation Standards), recommendations of the ECAQA on further improvement of approaches and conditions for the implementation of the above educational programme and recommendations for the ECAQA Accreditation Council.

2 General part of the final report

2.1 Presentation of the NEI "Kazakh-Russian Medical University" and educational programme in the specialty - 7R01123 - «Pediatric Surgery»

Organization name, legal form of ownership, bin	Non-governmental educational institution "Kazakh-Russian Medical University", 970 240 002 300
Management body	The supreme body – the general meeting of participants Executive body – Rector Control body – Audit Commission Collegiate body – Academic Council
Full name of the chief executive officer	Dzhainakbayev Nurlan Temirbekovich
Created in	1992 y.
Location and contact details	71, Torekulova str., Almaty
State license for educational activities in the residency (date, number)	license for educational activities AB No. 0137388, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan on June 2, 2010
Information on branches, subsidiaries (if any)	no.
Year of implementation of the accredited educational programme (EP)	Year 2021
Duration of training	3 years
Total number of graduates since the beginning of EP implementation	11 graduates transferred from KazMUNO
Number of residents on EP since the beginning of the current year	3 trainees
Full-time trainers/ Combiners involved in the implementation of EP, incl. % of degree	7/1, 50%

The NEI "Kazakh-Russian Medical University" (hereinafter – the University) was established in 1992 as the Kazakhstan Medical Institute (KMI). In 2010, KMI was renamed into Kazakh-Russian Medical University (certificate of state re-registration No. 9833-1910-U-e dated May 4, 2010).

The University currently represents the organization of medical education with a private form of ownership, having the necessary material, technical and scientific and educational base, highly qualified pedagogical and scientific personnel (license for educational activities AB No. 0137388, issued by the Committee for Control in the Field of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan on June 2, 2010). The University trains specialists in the following levels: bachelor's degree, internship, residency and master's degree on the basis of existing state licenses for higher and postgraduate levels, additional education in accordance with the current State Educational Standard of the Republic of Kazakhstan, and also implements additional education programmes.

In 2012, the University successfully passed the State Attestation of the Ministry of Health of the Republic of Kazakhstan, in 2018 and 2020 – preventive control of the Committee for ensuring control in the field of education and science of the Ministry of Education and Science of the Republic of Kazakhstan.

In 2016, the University was accredited by the Independent Kazakhstan Agency for Quality Assurance in Education (certificate of institutional accreditation dated May 31, 2016 IANo.0066, valid from May 31, 2016 to June 01, 2021). Also in 2021, the University was accredited by the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" (certificate of international institutional accreditation dated June 17, 2021 IA00039, valid from June 17, 2021 to June 16, 2026).

Specialized accreditation passed 6 educational programmes of bachelor's degree, 13 educational programmes of residence in the Independent Accreditation and Rating Agency (IAAR) <http://www.iaar.kz/en/accreditation-en/perechen-akkreditovannykh-obrazovatelnykh-programm/respublika-kazakhstan/meditsinskie-organizatsii-obrazovaniya#> and 2 educational programmes of master's degree <http://www.ecaqa.org/akkreditatsiya/reestr-akkreditovannykh-meditsinskikh-organizatsij-obrazovaniya-i-obrazovatelnykh-programm/spetsializirovannaya-akkreditatsiya/magistratura>

The university's budget is formed from several sources: the republican budget (a state order for the training of specialists of higher, postgraduate and additional education), the provision of paid educational services.

The financing of the university is stable and contributes to improving the material and technical base and increasing the contingent.

The main applied scientific direction of the university is the development of innovations for implementation in practical health care, including the development of mobile medicine for the rural population. Thus, for his achievements in the development of mobile medical complexes, Rector, Doctor of Medical Sciences, Professor N.T. Dzhainakbayev was awarded the quality certificate of the Swiss Institute of Quality Standard "International Quality Certificate" (SIQS) on July 1, 2015.

Since 2011, the University publishes a quarterly magazine "Actual problems of theoretical and clinical medicine".

In order to develop cooperation, 30 agreements, agreements and memoranda with Kazakhstan and foreign higher educational institutions have been concluded.

In accordance with Article 23 of the Law of the Republic of Kazakhstan "On Science", the University was accredited by the Ministry of Education and Science of the Republic of Kazakhstan as a subject of scientific and scientific-technical activity, certificate number Series MK No. 005269 dated 08.10.2018.

Training of students is conducted in the state, Russian and English languages. Form of study – full-time, daytime. Over 29 years of activity, the University has trained more than 6,000 specialists successfully working in the practical health care of the Republic of Kazakhstan.

Mission and Vision are available on the university's official website, which have been previously discussed and agreed with stakeholders (teachers, employees, employers) <http://medkrmu.kz/missiya-universiteta/>.

The University has its Organizational Structure approved by the Rector's Order (No. 26-02-07-n/k dated 16.07.2020).

University management is implemented through collegial bodies: the Scientific Council (SC), the Academic Council, the Scientific and Clinical Council, the Local Ethics Commission, the Coordination Council for Quality and Strategic Development, the Council of Young Scientists and the Student Scientific Society.

The University develops its activities through the Strategic Development Plan of the NEI "Kazakh-Russian Medical University" (long-term) (<http://medkrmu.kz/strategicheskie-plany-razvitiya/>) and the Tactical Plan for the implementation of the strategy (academic year), which are discussed and approved at the meeting of the Academic Council of the University with the participation of stakeholders.

The course of pediatric surgery with the corresponding EP in full strength passed from KazMUNO.

2.2 Information on previous accreditation

To date, the accreditation of the educational programme 7R01123 – "Pediatric Surgery" has not been carried out.

2.3 Conclusion on the results of the review of the report on the self-assessment of the educational programme in the specialty of residency "7R01123 - «Pediatric Surgery»" of the NEI Kazakh-Russian Medical University for compliance with the Standards of accreditation of postgraduate programmes (specialty of residency) of medical education organizations and conclusions

Self-assessment report 7R01123 - «Pediatric Surgery» (hereinafter referred to as the report) is presented on 98 pages of the main text, annexes on 23 pages, copies or electronic versions of 52 documents located at <https://drive.google.com/drive/u/0/folders/1bSVjvUJD9rUsDuEVW8Nssn7foK4fTU1r>

The report is characterized by the completeness of responses to all 9 main accreditation standards and criteria, structured taking into account the recommendations of the Guidelines for the self-assessment of the educational programme provided to the organization of education by the accreditation center - ECAQA, as well as the internal unity of information. The report is accompanied by a cover letter signed by the Head of the Rector, Dr. med., Professor Nurlan Temirbekovich Dzhainakbayev, which confirms the reliability of quantitative information and information included in the self-assessment report.

The report contains a list of 9 members of the internal self-assessment commission with an indication of the responsibility of each employee, information about the representative of the organization responsible for conducting the self-assessment of the educational programme – Bekmagambetov Zh.M., Head of the Department of Strategic Development and Accreditation

The self-assessment of the educational programme 7R01123 - «Pediatric Surgery» was carried out on the basis of the order of the head No. 26-02-50/1-n/k dated 01.07.2021 "On preparation for accreditation and organization of the process of self-assessment of educational programmes".

The report was reviewed by the accreditation expert: A.B. Zhunusova, and the reviews noted strengths and areas for improvement, as well as recommendations for additions and changes, including the following:

Standards	Reviewer (s) Recommendations
1	In the report, section 1.1.3. it is desirable to highlight the mission of a specific EP more clearly, since several options and definitions of the mission are presented. Development and implementation of effective innovative technologies in the educational process. Increasing academic mobility of teachers and residents Development of strategic partnership with international partners (universities, associations).
2	Expansion of the material and technical base of the clinical bases of the department and full access of residents to high-tech equipment, especially in regional places of internship. Strengthening the integration of education, science and practical medicine.

3	Work on self-control and self-assessment of the resident. Qualitative questionnaires and analysis of questionnaires, making changes to work plans to improve the quality of the educational process.
4	Improvement of the material and technical base of the University. More actively involve students in the residency in the work of professional associations and public associations.
5	In Attachment 5, the column "Total staff of teaching staff" should be corrected, since it repeats the column "Main staff of teaching staff" Increasing the motivation of the work of teaching staff, the formation of a qualified personnel reserve Participation in the Academic Mobility Programme of higher-education teaching personnel to universities and research centers in the near and far abroad; Increased number of publications in publications indexed by international databases (Scopus, Web of Science). Conducting research on grants of the Ministry of Education and Science of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan.
6	In Attachment "6C", the teaching and methodological products of the teaching staff do not correspond to the accredited EP – should be corrected. It is desirable to specify the number of residents and the place of their training under the academic mobility programme. Expansion of international cooperation, access to the "international space". Enhancing academic mobility of teachers
7	Strengthen feedback to graduates, residents and employers to improve educational programmes.
8	More efficient use of information and communication technologies in the management system (electronic document management, expansion of Platonus AIS capabilities in the residence, digitalization); Improvement of financing mechanisms for all levels of education (academic mobility of residents, participation of residents in international events);
9	Optimization of teaching methods by further introduction of interactive teaching methods; More efficient use of information and communication technologies in the management system (electronic document management, expansion of Platonus AIS capabilities in the residence, digitalization); Improvement of financing mechanisms for all levels of education (academic mobility of residents, participation of residents in international events); Modernization of the management system through a change in the organizational and legal form and further expansion of the university's autonomy;

Thus, in the process of feedback from the representative of the educational organization, experts received answers to the questions that arose and the self-assessment report was amended accordingly and additions were made to the recommendations of the reviewers.

All standards include real practice of the NEI "Kazakh-Russian Medical University" to train residents in the specialty 7R01123 - «Pediatric Surgery», taking into account the beginning of admission of students in 2011, reasoned data, examples of implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is sufficiently complete and updated in terms of the number of residents, teachers, administration, information on selection and admission, learning outcomes, results of knowledge and skills assessment, material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement, etc.

The report is submitted to ECAQA in a completed form, with correction of the data on the above recommendations, written in a competent language, the wording for each standard is clear and understandable and described in accordance with the criterion of standards, tables and contain references in the text and have end-to-end numbering.

The quality of the self-assessment report served as the basis for moving to the next stage of the accreditation procedure, the external assessment. The experts plan to validate the report data, compare

the information from the report with the information that will be obtained during the visit to the educational institution, i.e. verification of quantitative and qualitative indicators.

3. External expert evaluation

External expert work in the framework of the evaluation of the educational programme 7R01123 - «Pediatric Surgery» was organized in accordance with the Guidelines for the external evaluation of educational institutions and educational programmes of ECAQA (approved by the order of the Director General of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" No.5 dated February 17, 2017) and in accordance with the programme approved on February 02, 2022 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the Rector of the NEI "KazRosmeduniversity" N.T. Dzhainakbayev.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of accreditation standards.

The sequence of the visit within 3 days is presented in detail in the Visit Programme (hereinafter referred to as the Programme), which is contained in the documentation of the accreditation center and in Attachment 3 to this report. The programme is evidence of the implementation of all planned activities within the framework of an external expert evaluation.

To obtain objective information, the EEC members used the following methods and their results:

- interview with management and administrative staff – 12 people in total;
- interviews with residents – only 4 people, including foreign ones - no;
- studying the website <https://krmu.edu.kz/>;
- interviewing 6 employees, 4 teachers;
- questionnaires of teachers and residents – 113 and 200, respectively
- observation of the training of residents: attendance at 1 practical lesson "Atresia of the esophagus and diaphragm" Full name of the teacher: Kartalova D.F. Group: DH 20-01, venue: Children's City Clinical Hospital (PSCH) No.2;
- review of resources in the context of the implementation of accreditation standards: 1 base of practice/clinical engagement was visited, including the Rakhat Medical Center, where training is conducted on 1 educational programme of the residency with the participation of 4 full-time teachers and 2 part-time employees;
- study of educational and methodological documents in the amount of 38 units both before the visit to the organization and during the visit to the units (the list of studied documents is in Attachment 2).

The staff of the accredited organization ensures the presence of all persons indicated in the visiting programme and according to the lists of interviews and interviews (Table 1).

Table 1 - Information on the number and category of participants in meetings, interviews, interviews with EEC members

№	Full name	Job Title
1	Dzhainakbayev Nurlan Temirbekovich	Rector
2	Imanbaeva Zhaysan Abilseitovna	Vice-rector for scientific and clinical work
3	Kusainova Arman Sailavbekovna	Vice-Rector for Academic Affairs
4	Tatyana Anatolyevna Sovostyanova	Acting Vice-Rector for Educational Work
5	Orakbai Lyazzat Zhadigerovna	head of the Residency Department
6	Ligai Zoya Nikolaevna	chairperson of the CEP postgraduate education
7	Dossaeva Saltanat Tasbulatovna	chief specialist of the residency department
8	Kulebayeva Elmira Kuanyshevna	head of the Career Center
9	Iskakova Dana Askarovna	head of the Department of International Cooperation and Academic Mobility

10	Vera Ivanovna Verovkina	head of Personnel Department
11	Seidalin Arystan Oskarovich.	Head of Scientific Work Department
12	Mansharipova Alma Toleuovna	Academic Secretary
13	Aumoldaeva Zaure Maratovna	head of the Training and Clinical Center
14	Bakirova Bibigul Abdimanapovna	Head of Academic Affairs
15	Bekmagambetova Zhanat Mukhitovna	Head of Strategic Development and Accreditation
16	Agibayeva Kuralay Kalyshevna	Chief Specialist of the Department of Strategic Development and Accreditation
17	Ayazbekov Ermek Abuovich	doctor of Medical Sciences, Professor, Head of the Course of Pediatric Surgery
18	Umeshov Abdisabyr Umeshovich	candidate of Medical Sciences, Senior Lecturer in Pediatric Surgery
19	Azamat Edigenovich Kurmanbekov	pediatric Surgery Course
20	Zhakupov Salimzhan Maratovich	Resident of the 2nd year "Pediatric Surgery"
21	Sultanbekov Aybol Aybekuly	Resident of the 2nd year "Pediatric Surgery"
22	Uskenbaev Kenes Anvarovich	Resident of the 3rd year "Pediatric Surgery"

Thus, when implementing the activities of the programme, namely, based on the results of the interview with the first head of the organization, members of the advisory body – the SC and the CEP, in interviews with residents and teachers, compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the organization, took part in the formation of proposals for the formulation of the mission, while the mission was brought to the attention of potential residents through the website, social networks, information letters to medical organizations.

The development strategy of the NEI "KRMU" for 2019-2025 was reviewed (approved by the rector on December 26, 2019), which includes such areas as: improving the quality of services through the development of the university's educational programmes; internationalization and development of the university's scientific potential at the international and national levels; ensuring the growth of the university's management efficiency through digitalization of activities and compliance with the requirements of national and international standards; improving the efficiency of human capital management through improving the processes of relationship management, developing competencies, team spirit and proactivity; forming the university's image in the education market through the use of marketing tools; modernizing the material and technical base of the university through the updating of computer equipment and increasing the classroom fund, which confirms the fulfillment of the accreditation standard and demonstrates the goals, objectives and prospects of the organization. From interviews with residents, it was established that before the beginning of classes, teachers inform about the mission, work plans of the organization of education, tell where to get the necessary information about the educational programme, teachers, training bases. This indicates compliance with **Standard 2** in terms of adapting training to the needs of residents.

The organization's documents contain work programmes, EMCD, which define the goal, take into account the integration of practical and theoretical components, independent work. Compliance with the SCES and standard requirements has been established. Attending the practical lesson "Gallstone disease, chronic cholecystitis" (Teacher: Kuzikeev M.A., group: OX 21-01), the volume of hours 2, the experts received convincing data that the training is carried out according to the plan, before the beginning of the lesson, the residents answer the tests, receive feedback from the teacher. When visiting the training room of endovideo surgery at the Rakhat MC, equipped with a real endosurgical stand and simulations, the experts saw that the organization promotes the development of practical competencies of residents, including simulation equipment. At the same time, residents deepen their theoretical knowledge, develop communication skills.

The organization ensures compliance with ethical aspects in the implementation of the educational programme, since the experts studied the Code of Corporate Culture and Ethics (approved

at the meeting of the Constitutional Court No.4 of 26.11.2021) and during the interview the residents replied that they were informed about the content of this document.

The analysis of educational activities showed that the scientific basis and all the achievements of science in advisory disciplines are taken into account, additions are made to the bibliography of the EMCD and syllabuses, and teachers apply them in classes.

A study of control and measurement tools (300 tests, 50 tasks, evaluation sheets (duty, MiniCEX, clinical case, presentation, 360 feedback°, practical skill -DOPS) showed that the organization has implemented an appropriate evaluation policy that allows a multifaceted assessment of the educational achievements of residents. During the interview, the residents told about the assessment forms, for example, assessment sheets of practical skills, clinical case, tests and that they were satisfied with everything. They also receive regular feedback from teachers. The system of appealing the results of the assessment is reflected in the document "Academic Policy" (approved at the meeting of the Constitutional Court No.1 of 28.08.2021) and during the period of work of the organization of education there were no precedents for appealing by residents under this EP. Thus, compliance with standard 3 has been established.

During the visit to the organization and during the interview with the head of the course of pediatric surgery Ayazbekov E.A., the commission was convinced that there is a documentation system that is transparent and accessible to all teachers and employees, and includes such documents as annual operating plans, annual reports, regulations of divisions, contracts with teachers and residents, job descriptions, academic policy, code of honor of teachers, and educational and methodological documentation (work programme, work curricula, syllabuses, electronic journal), evaluation tools (checklists, sheets), certificates and certificates. A review of the website showed that its pages contain the necessary documents for residents – syllabuses, MOODLE platform, academic calendar, class schedule, list of groups, internal rules and there is information on academic policy, academic integrity, educational and social work, anti-corruption department, service support, which is regularly updated. This information was obtained during an interview with the head of the department for academic work Bakirova B.A.

The conversation with L.Zh. Orakbai, Head of the Residence Department, included such issues as the rules for admission to the Residence, requirements for supervisors and clinical mentors, maintaining the level of pedagogical competence of teaching staff, using the capabilities of clinical bases, and allowed experts to learn about approaches to attracting employees of clinical bases for teaching (6 people in total), about the strategy and tactics of recruitment of residents, the information security of the educational programme, as well as to identify problems in the management and development of human resources, since.

Interviews with 5 teachers of the supervising department, including 4 full-time teachers, showed that there are both successes and problems in the management of education, depending on the specific base (admission of residents to equipment, a sufficient number of thematic patients, time to maintain medical records, independent work). Experts received answers about the programme of professional development of teachers, financing of this training, availability at teachers of certification on methods of teaching.

On the same day, experts studied materials on the admission of residents and the selection of teachers and established compliance with standard 4.

In order to verify the data of Standard 5, external experts received an opinion on personnel policy and approaches to the development of teachers' pedagogical competence, motivation to work with residents, and mentoring. Experts found that teachers initiate research topics for residents, stimulate the need for additional training and independent work with literature, medical documentation, simulation equipment and simulators.

In total, the educational process uses 2 clinical bases (CCCH No.2 and the Institute of Pediatrics), which accommodate 5 classrooms and 2 lecture rooms, residents rotate through the bases, according to the rotation schedule. During the visit to the clinical base – MC "Rakhat", where experts conducted a survey of resources, their compliance with training programmes, accessibility for teachers

and residents, as far as this equipment is modern and meets the needs of students and practical health care. On the base there are study rooms, they are equipped with study desks, chairs, boards, cabinets, office equipment, one room is designed to practice skills in endovideo surgery, there is also a conference room where morning conferences and clinical discussions with the participation of residents are held. Surgical departments with 100 beds, a modern operating unit and other auxiliary units of the clinical base allow to accommodate residents and effectively use the material, technical and clinical capabilities of CCCH No.2 for training residents. Experts have obtained evidence of compliance with Standard 6, as well as validation of the self-assessment report information.

In order to validate the implementation of the self-assessment report and to obtain evidence on the quality of the programmes, interviews were conducted with residents in the specialty. The experts asked questions about satisfaction with the training, enough time for patient supervision, work in DAMUMED with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need, participation in "Journal Clubs", accessibility of international databases of professional literature, scientific works. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that the organization of education has good resources, image and international relations, at the same time, residents would like more autonomy in patient management, organization and participation in international conferences, participation in academic mobility.

Residents showed their commitment to the organization of education, were active in answering the questions of external experts, demonstrated their judgment in the organization of training, assessment of their skills, advisory support, the opportunity to participate in R&D. Members of the External Expert Commission (EEC) Experts studied the documents of residents (portfolio, results of assessment of residents - checklists, results of questionnaire of residents).

Interviews with 5 employers were conducted online and with 1 employer offline and included such issues as: knowledge of the university mission, participation in the development of the mission and proposals in the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, the share of employed residency graduates, problems and prospects for the development of clinical training in the residency.

The review of resources showed that they correspond to the goals and objectives of educational activities, for example, the clinical base "MC Rakhat" with a total bed capacity of 50 surgical beds was visited, and employees of the organization of education provide collegial and ethical relations with medical personnel, the management of the clinical base to achieve the final results of residents. A sufficient number of thematic patients, modern equipment and demonstrates accessibility to students are provided, and employees who simultaneously perform the roles of teachers and mentors (mentors) provide high-quality training in compliance with ethics and deontology. Before starting the relevant discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

From the presented presentation of the Department of General Surgery, we obtained data on a highly professional staff of the Department with a high level of degree – 65% and significant clinical experience. The staff of the department prepared the content of the classes and uploaded it to Moodle (assignments for classes, IWRT, IWS, information blocks, videos). Special mention should be made of the activities of the professional video studio at the university, where video lectures of teaching staff are recorded at the modern level. These images are available on the MOODLE platform to residents from their personal account using their login and password. Also noteworthy is the work of mobile medical complexes to provide various medical services to the population within the framework of charitable events, while the scientific work of the teaching staff and students is carried out, teamwork skills and clinical competence of residents are improved.

On the last day of the visit to the organization, a meeting of EEC members was held on the results of the external evaluation. The final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of the interview, questionnaires was held. EEC members started designing the final EEC report. The results of the external evaluation are summarized. The experts individually completed the "Quality Profile and Criteria for External Evaluation of the Educational Programme 7R01123 - «Pediatric Surgery» for Compliance with the ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations on improving the educational programme were discussed and Chairperson Turgunov E.M. held a final open vote on recommendations for the ECA Accreditation Council for the accreditation period of 5 years.

For the work of the EEC, comfortable conditions were created, access to all the necessary information and material resources was organized. The Commission notes the high level of corporate culture of the NEI "Kazakh-Russian Medical University", a high degree of openness of the team in providing information to the members of the EEC.

At the end of the programme of the visit, the chairperson of the EEC for the management and employees of the organization of education announced recommendations on the results of an external assessment within the framework of specialized accreditation.

Conclusion:

Within the framework of the visit and external assessment of the NEI "KRMU" for compliance with the standards of specialized accreditation of organizations of additional education, the members of the EEC studied and evaluated the main indicators of the organization's activities. The information obtained during visits to the units of the KRMU and clinical bases, during meetings with the management, employees of the units, study of documentation, during questionnaires of residents and teachers, is compared with the data of the self-assessment report, which made it possible to verify the reliability and validation of the information provided.

Thus, the external evaluation and the visit of the members of the EEC allowed to verify and validate the data of the report on the self-assessment of the educational programme 7R01123 - «Pediatric Surgery» in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external evaluation of the medical organization of education of the ECAQA.

Clinical bases where training of residents is carried out – specialized surgical departments with highly qualified personnel, which allows to create conditions for high quality of training of residents under the educational programme 7R01123 - «Pediatric Surgery».

4. Results of the survey.

The ECAQA observer conducted an online questionnaire on February 17, 2022 at <https://webanketa.com/>.

The resident survey includes 22 questions.

A total of 200 people responded.

The first question "I am" showed that out of 200 respondents, more than half of the respondents are residents of the 1st year of study (103 people/51.5%), 67 people (33.5%) in the second year of study and only 7 people noted that they are graduates of KRMU, i.e. students of the 3rd year (3.5%).

The vast majority of respondents, 175 people (87.5%), would recommend studying at KRMU to their environment, 22 people (11%) partially agreed with this statement, 1 person (0.5%) will not recommend this university completely and 2 people (1%) found it difficult to answer.

178 residents (89%) believe that programme managers and teachers are aware of students' learning problems, 18 people (9%) partially support this statement, completely disagree and questioned the answer for 2 students (1%).

When asked about the fact that programme managers and teachers involve students in the work of advisory bodies (academic council, academic council, committees of educational programmes) 179 residents (89.5%) answered in the affirmative, 5 people (2.5%) wrote that they are not involved in

advisory bodies, 6 people (3%) answered "I do not know anything about it", "I doubt with the answer" and 4 people (2%) chose the answer "sometimes".

The assessment of satisfaction with the conditions for training and the equipment of training rooms and classrooms of the KRMU showed that 175 people out of 200 (87.5%) were completely satisfied with the provided conditions, 21 people (10.5%) were partially satisfied, 2 people (1%) were not completely satisfied and 1 person (0.5%) chose the answers «partially dissatisfied".

The overwhelming majority also answered positively to the question whether the conditions for rest and meals for students (recreation rooms, benches/gazebos on the territory, canteen) were created in this educational organization, 171 people (85.5%), 12 people (6%) partially agreed and 7 people (3.5%) completely disagreed with this statement.

The equipment of office equipment in classrooms and on clinical bases fully satisfies 165 respondents (82.5%), partially 29 people (14.5%), completely does not satisfy 3 people (1.5%), partially disagree with the statement of 2 people (1%) and doubted the answer of 1 resident (0.5%).

174 residents (87%) believe that teachers provide students with methodological and didactic materials, additional literature to prepare for classes, 23 students (11.5%) partially agree, 2 people (1%) completely disagree with this statement and 1 resident (0.5%) doubted the answer.

Out of the surveyed residents, 176 people (88%) noted that in the KRMU there is access to the participation of students in research work, 22 people (11%) partially agree, 1 person (0.5%) completely disagree, 1 person (0.5%) doubted the answer to this statement.

The majority of residents were satisfied with the resources of the library fund, which is 171 people (85.5%). At the same time, 22 people (11%) are partially satisfied, 6 people (3%) are not completely satisfied, and 1 resident (0.5%) does not answer this question.

176 residents (88%) were completely satisfied with access to electronic educational resources, 18 people (9%) were partially satisfied, 4 people (2%) were completely dissatisfied with access to educational resources, and 1 person (0.5%) were not partially satisfied and did not respond.

In the KRMU, 170 people (85%) were completely satisfied with the availability of medical services for a student, 22 students (11%) were partially satisfied, they were not satisfied with the availability of medical services and did not give an answer to 4 people (2%).

When conducting the survey, 183 people (91.5%) were satisfied with the activities of mentors, curators, research managers, 14 people (7%), 2 people (1%) were not completely satisfied, 1 resident (0.5%) did not have an answer.

191 students (95.5%) noted that teachers and employees of the organization of education respect students. 7 people (3.5%) disagree with this statement, 2 residents (1%) did not have an answer.

179 people (89.5%) of residents agree with the statement that social programmes to support students exist and are implemented in the organization of education. 6 people (3%) did not agree, 9 people (4.5%) did not hear about such programmes, 2 people (1%) answered "what is it" and 4 people (2%) did not answer.

When asked about the availability of a career counselling service in an educational institution, 183 residents (91.5%) responded positively, 2 people (1%) gave a negative answer, 11 people (5.5%) did not hear about this organization 14 people (2%) doubted the answer.

The question in the questionnaire that in the organization of education the system of independent training of students, residents, undergraduates, doctoral students and listeners at the majority of pupils is established, 181 people (90.5%), gave a positive answer. In part, 15 people (7.5%) agreed with this statement, 2 residents (1%) disagreed completely, and doubted the answer of 2 people (1%).

174 residents (87%) rated the organization of clinical (practical) training as "excellent", "good" was noted by 23 people (11.5%), 2 people answered "satisfactory", 1 (0.5%) unsatisfactory.

When asked if there is sufficient time for practical training (patient supervision, clinical rounds, clinical reviews, surgical assistance, work in laboratories and in pharmaceutical production), 190 residents (95%) gave an answer "agree completely", 8 people (4%) "agree partially", 2 people

(1%) "DO not agree completely".

185 students (92.5%) were fully satisfied with the schedule of classes in the disciplines of the educational programme, 14 people (7%) were partially satisfied, 1 resident (0.5%) was not satisfied.

180 students (90%) are completely satisfied with the methods of assessing knowledge and skills, 19 people (9.5%) are partially satisfied, 1 resident (0.5%) would like to change them.

To the question, the content of the educational programme (list of disciplines) in the chosen specialty meets my expectations 185 residents (92.5%) gave the answer "yes, completely", 14 people (7%) "partially", 1 person (0.5%) "no".

181 residents (90.5%) noted that teachers use active and interactive teaching methods regularly, 14 people (7%) sometimes, 4 people (2%) rarely and 1 resident (0.5%) answered "never used".

When asked how often a teacher is late for class, 187 people (93.5%) answered that "there was no such thing", 10 people (5%) answered "sometimes", 2 people answered "systematically" and 1 resident (0.5%) "I do not know what to answer".

180 people (90%) noted that constantly after the end of classes the teacher conducts feedback (listens to opinion, carries out mini-questionnaire, carries out work on mistakes), 15 people (7.5%) answered that sometimes, 3 people (1.5%) – seldom, 2 people (1%) never.

On a question of the questionnaire "The teacher (mentor, curator) of this organization of education is for me an example as the professional doctor, the person (ethics, communications, appearance, speech) » completely agree 191 respondents (95.5%), 3 residents completely disagree, not all teachers of this organization of education noted 5 people (2.5%), 1 resident doubted with the answer.

To the question, 191 residents (95.5%) answered "completely satisfied", 7 people (3.5%) "partially", 2 people (1%) "not completely satisfied".

187 students (93.5%) noted that they like to study in this educational institution, 11 people (5.5%) partially agree, 1 resident (0.5%) completely disagrees with this statement and 1 resident (0.5%) did not have an opinion.

195 people (97.5%) noted that they are satisfied with their relations with their fellow students, colleagues, medical personnel, 5 residents (2.5%) responded partially.

183 people (91.5%) noted that they did not personally experience negative attitudes of teachers, 10 residents (5%) answered "ever, deservedly", 6 people (3%) answered "yes, unfairly", 1 resident (0.5%) did not respond.

180 students (90%) are satisfied that they are studying in this educational institution, 18 residents (9%) answered yes, partially, 1 resident (0.5%) answered no, disappointed, 1 resident (0.5%) answered I do not know how to answer.

All students, 200 people (100%) noted the accessibility of the management of the organization of education for students.

148 students (74%) are engaged in scientific work, 21 residents (10.5%) are not engaged in science, 2 residents (1%) doubted with the answer, 21 residents (10.5%) plan to start, 7 residents (3.5%) wrote that they are in search of a research topic, 1 resident (0.5%) replied that he does not want to engage in research.

When asked the questionnaire, "Do you personally have printed works (articles, abstracts, reviews) published during your studies in this educational institution?", 108 people (54%) answered yes, one. 14 residents (7%) noted more than one job, 12 people (6%) not one, 48 people (24%) plan to publish in the near future, 9 residents (4.5%) answered "I just entered the training programme", 9 residents (4.5%) did not respond.

When asked the questionnaire, "Do you think this educational organization allows you to acquire the necessary knowledge and skills in the specialty you have chosen?", 189 people (94.5%) answered "yes, I am sure of it", 3 people (1.5%) are not sure of it, 4 people (2%) answered "I can not answer this question yet", 3 residents (1.5%) answered "I would like to believe it" and 1 resident (0.5%) answered "I am beginning to doubt it".

186 students (93%) are completely satisfied with the organization of teaching, 12 people (6%) are partially satisfied, 2 people (1%) are dissatisfied with the organization of teaching.

179 respondents (89.5%) rated the work of the External Expert Commission on the accreditation of this organization of education positively, 15 people (7.5%) rated satisfactory, 6 people (3%) doubted with the answer.

176 people (88%) of residents agree with the statement that it is necessary to carry out accreditation of the organization of education or educational programmes. 15 people (7.5%) disagree, 2 people (1%) do not know what it is, 7 people (3.5%) doubted the answer.

On the question of the questionnaire, "Did managers and/or teachers involve you in activities to prepare for institutional or specialized (programme) accreditation?" 152 residents (76%) answered "yes, when preparing the self-assessment report", 12 residents (6%) answered "yes, for the organization of a meeting of external experts", 22 residents (11%) – "yes, at all stages of preparation", 1 resident (0.5%) – "yes, since I speak a foreign language", 2 residents (1%) answered that they refused to participate for a good reason, 7 people (3.5%) answered no and 4 residents (2%) noted in the questionnaire that they first heard about accreditation when the commission arrived.

The survey of teachers included 21 questionnaire questions.

A total of 113 teachers were surveyed, including 28.3% with up to 5 years of work experience, 22.12% with 5-10 years of work experience, and 49.6% with more than 10 years of work experience. 58.4% noted that they teach in the residency.

74.3% are completely satisfied with the organization of the educational process in this educational institution, 22.1% are partially satisfied, 2.65% are partially dissatisfied.

86, 7% noted that this organization of education observes ethics and subordination in the relations between colleagues, teachers, the management, 11.5% - agreed partially.

Completely satisfied with the organization of labor and workplace in this organization of education - 75.2%, partially agree 23.0% partially disagree 1.8%.

70.8% of respondents noted that there is an opportunity for career growth and development of teacher competencies in the organization, 22.1% partially agree, 2.6% partially agree, 1.8% completely disagree.

75.2% of respondents fully agree that in this organization of education they have the opportunity to do scientific work and publish the results of research, 16.8% partially agree, 3.5% partially disagree.

The salary suits completely 46.9% of respondents, disagree with it - 5.3%, more "Yes", than ISN't present - 27.4%, more, than Yes - 12.4%

Satisfied with the work of the HR service (personnel)- fully -83.2%, partially - 13.3%, completely not satisfied - 0.88%.

Training on courses (programmes) of professional development during this year passed - 49.6% of respondents, more than 5 years ago - 31.0%, don't remember when it was - 7.1%.

It is believed that the discipline taught by the respondent is provided with sufficient resources (classrooms, equipment) - fully -73.5% of respondents, partially -22.1%, partially disagree -2.7%

In this organization of education have the opportunity to realize as a professional in the specialty completely -81.4%, partially agree-13.3%, partially disagree - 0.9%. Personally participated in the development of the educational programme in the discipline that is taught: yes, active-63.7% of faculty members, no, did not participate-15.0%, were only electives-7.1%, were not involved in the work-6.2%.

60.2% of respondents note the timeliness of the fulfillment of applications for the purchase of methodological and didactic materials, office equipment, stationery to ensure the educational process in the organization, 7.9% - untimely, the long wait for the application note -6.2% and have no relation to it-15.0%

They noted that the organization of education supports the participation of teaching staff in conferences (international, republican)- payment of travel, travel expenses, registration fee -21.2% of

teaching staff, payment of travel only - 2.7%, does not pay any expenses - 2.7%, did not contact the management in this regard-30.9%

We fully agree that students have free access to patients on the clinical bases of the university to improve their practical skills - 85.8% of the teaching staff, partially agree -9.73%, doubt the answer - 4.42%

The publication activity of the TS is assessed on a scale of 5 points (from 1- low to 5 -high) - 17.1% as 1, as 2 -7.1%, 3-19.5%, 4-23.9%, 5-26.6%, did not give an answer-17.7%

On the question "Are social support programmes for teachers implemented in the educational organization?" replied: yes, there are such programmes 38.9%, yes, I have already used this - 2.65%, no-3.5%, I do not know about this - 44.3%, I doubt with the answer - 10.6%.

65.5% of respondents answered that yes, heads of the organization systematically listen to their opinion regarding questions on the educational process, research, clinical work, yes, sometimes noted 18.6%, quite rarely - 0.88%

To the question: What teaching methods do you most often use in the process of teaching students (bachelors, residents, undergraduates)? The students noted that the lectures are used by - 48.7%, oral analysis of the topic of the lesson - 72.6%, rewriting of thematic information from monographs - 10.6%, problem-oriented training - 40.7%, interactive training - 46.9%, performance of abstracts - 34.5%, practical classes on clinical skills in the educational and clinical center - 56.6%, analysis of situational tasks -75.2%, compilation and solution of cases - 38.9%, oral survey of students - 61.1%, solution of tests - 48.7%, work in small groups - 53.9%, written completion of tasks - 28.3%

We fully agree that this questionnaire is useful for developing recommendations for improving the key areas of the organization's activities 70.8% of the TS, partially agree -14.2%, partially disagree 0.9%, completely disagree 2.6%. On a question: Whether you personally were involved in actions on preparation for accreditation of educational programmes answered that yes, included in the internal commission on self-assessment-31,9% of faculty; yes, was engaged in technical support before a meeting of the external expert commission - 16,81%; wrote sections of the report on self-assessment - 12,4%; collected information for annexes to the report on self-assessment - 15,9%; no, wasn't involved in preparation of higher education institution to accreditation - 23,9%.

35.4% of respondents would like to personally become an expert on accreditation of the Eurasian Center for Accreditation and Quality Assurance of Education and Health Care, I am not interested in this issue - 32.7%, have already participated in the work of the accreditation commissions of this accreditation center - 4.4%.

Question: Do you think that the work of the external expert commission on accreditation can fully cover all issues related to the quality of implementation of the educational programmes of the university answered - Yes, since the visit of the commission is preceded by the stage of self-assessment of the programme and writing a report -53.1 TS; Yes, the commission investigates all the main processes of implementation of programmes - 35.4%; The programme of the visit of the commission is saturated and covers all key aspects of education - 28.3%; The programme of the commission includes interviews and interviews with stakeholders, allowing to draw conclusions about the quality of training - 34.5%; I do not think that a three-day visit of the commission will assess the quality of programmes - 5.3%; Everything depends on the professionalism and competence of accreditation experts - 22.1%; There are more effective assessment mechanisms, for example, state certification and audits -1.8%

Respondents noted what activities of external expert work on accreditation are most important and allow to obtain evidence of implementation of the Accreditation Standards: Interview with university management -7.96%; Interview with heads of educational programmes (heads of departments, deans)13.3 Interviews with students-11.5%; Interviews with programme graduates - 3.5%; Interviews with representatives of employers - 1.8%; Visiting practice bases - 3.5%; Survey of educational resources - 0.88%; Study of educational and methodological documentation - 0%; Interviews with teachers - 1.8%; Review of the self-assessment report of the programme - 0%;

Attendance at practical classes - 2.7%; Study of administrative documentation - 0.88%; All of the above - 45.1%

The results of the survey demonstrate the positive aspects of studying in residency programmes, satisfaction as residents, and teachers with the educational process, resources of clinical bases, teachers' competencies, and also indicate the existence of centralized management of educational programmes, at the same time, they identify areas for improvement - social support programmes for teachers, pedagogical competencies and teacher development.

5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the educational programme 7R01123 - «Pediatric Surgery» of NEI "Kazakhstan-Russian Medical University"

Standard 1: MISSION AND END OUTCOMES

Evidence of compliance:

1.1 Mission statement and deliverables

The mission of the educational programme is formulated taking into account the demands of practical health care, is presented in the educational programme. Information about the training mission is brought to the attention of the teaching staff at the meetings of the department and the dean's office. The mission is brought to the attention of students at curatorial hours, meetings with deans, placed on the information stands of the university buildings, the official website of the university.

The mission of the educational programme is "the formation of competencies and personal qualities of competitive, creative and innovative thinking, able to implement their knowledge and skills of new generation specialists."

At the same time, the experts established that a single mission of the EP was formulated for all accredited specialties, without taking into account the specifics of the direction of training of residents.

The educational programme presents the final results, which are also available in syllabuses and are available to teachers and students through the university portal. Scorecards record the extent to which resident learning outcomes have been achieved. Training in the residency goes with a focus on practice, so theoretical training is 10%, clinical work 75%, independent work 15%, which is confirmed by information in the syllabuses and work curricula (WC).

1.2 Professionalism and professional autonomy

Training of residents in EP 7R01123 – "Pediatric Surgery" is carried out on the basis of a multidisciplinary clinic of the city – CCCH No.2, highly qualified personnel.

The formation and development of professionalism and professional autonomy is provided for by the results of the training of a graduate of the residency presented in this EP: RO-4, RO-7 and RO-11. As a result of the training, the resident of EP 7R01123 – "Pediatric Surgery" receives a holistic view of the activities of a pediatric surgeon.

Residents under the supervision of a clinical mentor receive special knowledge, develop practical skills at the patient's bedside, in operating rooms, dressings and procedural rooms, including work at the MC.

Under the guidance of supervisors, they master the professional ethical and communication skills necessary for the work of a doctor. The list of practical skills, their number and the level of implementation of the training results are in accordance with the recommendations of the SCES RoK.

Assessment of the academic achievements of residents is carried out by various forms of control, which are determined by the university independently. Instrumentation, training methods, and monitoring of residents' achievements, approved at the meeting of the department, are subject to further review and approval by the CEP. EP 7R01136 - «Pediatric Surgery» was compiled in accordance with the requirements of the State Committee on Surgery, entered into the Republican Register of Educational Programmes.

1.3 Learning outcomes

The final results of the training are clearly formulated and correspond to the direction of the specialist's training. EP 7R01136 - «Pediatric Surgery» is developed within the framework of the SRS of the residency and the Qualification Characteristics of the doctor, it takes into account the main final results of the training of the resident surgeon, including knowledge, skills, the need for analysis, communication skills and continuous training.

During clinical training, residents master the final results of training, providing training in an interdisciplinary team, develop the ability to effectively interact with colleagues.

The ability to make independent clinical decisions is a priority in the training of the surgeon. During work in the hospital, residents, supervising patients, conducting an initial examination, make a preliminary diagnosis, appoint additional laboratory and instrumental examinations, based on the result of which a clinical diagnosis is substantiated, an emergency notification is given, treatment is prescribed, and work with health care information systems when filling in medical records. Most residents of the EP «Pediatric Surgery» are employed in clinical databases and have their own login for access to the information system.

Also, the department receives feedback on residents when surveying employers. Elements of the EP, CED are agreed with employers.

1.4 Participation in the formulation of the mission and final results

When studying the available materials, the EEC members found that during the formation of the mission and final results of the EP, discussions were held at the level of the student audience, graduates, employees of the department, at the meeting of the CEP (dated 14.05.2020 No.5), at the Academic Council (dated 28.08.2020 No.5) and the Academic Council of the University (dated 12.08.2020 No.5). Adjustments were made to the overall structure of the programme and to the formulation of its objectives and results. When uploaded to the Republican Register of Educational Programmes, it was reviewed and then adjusted with the participation of external reviewers.

From the interview with the administration of the university, faculty, residents and employers it was established that the formation of the mission and the final results of training is influenced by the opinions of various stakeholders - heads of departments and divisions of the university, faculty, students, graduates, employers, health and education authorities, representatives of the public.

Conclusions of the EEC on the criteria. Compliant with 17 standards: fully - 17, partially - 0, non-compliant – 0.

Standard 1: Implemented

Recommendations for improvement identified during the external visit:

In the formulation of the mission of the EP, to provide for the specifics of the preparation of residents and taking into account proposals from stakeholders (paragraphs 1.1.1., 1.4.1.).

2) To motivate residents to carry out scientific projects, participate in publications (1.1.7).

Standard 2: EDUCATIONAL PROGRAMME

Evidence of compliance:

2.1 Postgraduate programme framework

When analyzing the activities of the NEI "KRMU", it was established that the educational process at the university was organized in accordance with the "Rules for the organization of the educational process on credit technology of education" (Order of the Ministry of Education and Science of the Republic of Kazakhstan dated 20.04.2011 No.152), a model of resident competence was developed, prescribed in the EP, approved at the meeting of the University Council (Minutes No.10 dated 19.06.2019).

The structure and content of the EP, approved at the meeting of the SC dated 30.03.2020 No.8, comply with the requirements of the State Standard of Environmental Protection of the Republic of Kazakhstan 2017, 2020, approved by order of the Ministry of Health of the Republic of Kazakhstan No.647.

According to the Rules for the use of the system "Anti-plagiarism. University", it is established that in order to avoid plagiarism, all types of written work on the department are checked according to

the Rules for the use of the system on the [website https://medkrmu-kz.antiplagiat.ru/](https://medkrmu-kz.antiplagiat.ru/). In case of violation of the Rules of Academic Integrity, disciplinary sanctions are applied to the participants in the educational process, in accordance with the Code of Academic Integrity (April 27, 2019). There were no cases of violation of academic integrity of residents and faculty members in the last 3 years at the department.

Training of residents at clinical facilities is conducted under the guidance of 4 supervisors who have the academic degree of a doctor or candidate of medical sciences, as well as the highest or first qualification category. In addition to the supervisor, residents are assigned 5 clinical mentors from among practitioners of health care with 1 or the highest qualification category.

The pediatric surgery team demonstrates a commitment to gender equality. The department has adopted a policy of freedom of spiritual belief, the attitude to religion is strictly personal, not persecuted. The curatorial hours discuss issues of religion and its influence on the human psyche, and no religious propaganda is carried out.

When analyzing the CED according to EP 7R01123 - «Pediatric Surgery», the experts found that among the elective disciplines, the disciplines of emergency situations and disaster medicine prevail. At the same time, there are only 1 elective discipline aimed at expanding and deepening knowledge in the field of surgical profile.

2.2 Scientific method

EP 7R01123 - Pediatric Surgery provides for the allocation of elective disciplines. When analyzing the CED on this EP, experts found that there are elective disciplines in evidence-based medicine and management of scientific research.

In the framework of independent work, the EP provides for the training of residents in the critical evaluation of literature, articles and scientific data through the writing of essays, presentations in accordance with the thematic plan of the discipline.

The staff of the department carries out scientific activities within the framework of the research department, but since the course of pediatric surgery in its entirety has been transferred from KazMUNO, there are no approved topics of research on pediatric surgery at the university for the current year.

Over the past 3 years, there have been no publications with the participation of students at the department.

2.3 Content of the residency programme

The credit and modular system of organizing the educational process provides for: a modular structure of the educational programme; the use of credit units (credits) to assess labor intensity; the use of point-rating systems for assessing knowledge; the participation of a resident in the formation of an individual curriculum; an increase in the share of self-learning in the educational process; an increase in the flexibility of educational programmes.

The content of the disciplines of the mandatory component is regulated by the State Standard of the RoK and is reflected in the TEP. The list of disciplines of the component by choice is compiled in accordance with the CED, formed and approved annually at the university. The number of hours of the elective component (elective disciplines), their correlation with the mandatory disciplines are regulated by the SCES RoK.

When studying the Individual Curricula of the resident, it is established that it is formed for each resident for the entire period of study, agreed with the curator and approved by the head of the department. The individual curriculum reflects the disciplines, the number of hours by sections and disciplines, the forms of knowledge control. The syllabuses indicate the place and time of the training consultation for each resident.

The curriculum of the programme provides a sequence of study of disciplines based on their continuity, rational distribution of disciplines by semesters from the standpoint of uniformity of the academic work of the resident.

2.4 Programme structure, content and duration

The duration of training under the programme 7R01123 – "Pediatric Surgery" is 3 years. According to the submitted WC 1-3 courses of residency for 2021-2022, the practical part of education occupies 90% (clinical work 75%, independent work 15%), theoretical training is 10% according to the State Standard of Education and Science of the Republic of Kazakhstan. The academic period in the residency is 1 academic year, 2100 hours, and includes theoretical, clinical training and vacations of at least 5 weeks duration. Final assessment lasting 2 weeks.

Under the educational programme 7R01123 - «Pediatric Surgery», 10 modules of the mandatory component and 3 disciplines of the elective component are allocated, designed for 210 credits: core disciplines – 196 credits, the elective component – 8 credits, interim certification – 4 credits, final certification – 2 credits.

Profiling disciplines are represented by disciplines: planned surgery with urology – 39 credits; emergency surgery – 25 credits; nervous surgery – 29 credits; newborn surgery – 19 credits; t oracal surgery – 19 credits; t rheumatology, orthopaedics – 25 credits; outpatient and polyclinic surgery – 24 credits; endoscopic surgery – 16 credits.

The component of choice (8 credits) can be selected from the presented disciplines: "Burns in children" 8 credits, "Medical and sanitary provision in the aftermath of man-made emergencies" 4 credits, "Tasks and fundamentals of the organization of the state emergency prevention and response system" 4 credits, "The procedure for providing medical care to the affected in emergency situations (medical sorting)" 4 credits, "Basic principles and methods of protecting the population in emergency situations" 4 credits, "Management of scientific research" 4 credits.

The division of disciplines by hours and semesters is carried out by the department of academic work.

2.5 Organization of training

According to the presented structure of the university, the vice-rector for scientific and clinical work, who reports to the rector, is responsible for the strategy for the development of postgraduate education. The vice-rector responsible for the educational activities of the residency is the vice-rector for academic activities. Clinical bases are selected for compliance with the residency programme by the clinical work department, which draws up contracts with clinical bases.

The staff of the department selects clinical bases, where the maximum resident will be able to access patients according to their profile of the residency educational programme. Currently, there are 9 of them in the department, which is quite sufficient for the effective distribution of residents.

At the Department of General Surgery with the course of Anesthesiology and resuscitation, according to the presented methodological materials, various methods of teaching residents are used: seminars, problem-oriented training (PBL); case-based training (CBL), discussion of clinical cases (CbD), team-oriented training (TBL), portfolio, simulation technologies, presentations. Equipping clinical bases allows you to implement active teaching methods.

The development of clinical skills and professional attitude to work is facilitated by the participation of residents in the real activities of the doctor: supervision of patients at the inpatient level, outpatient admission to primary health care, registration of medical documentation, work in medical information systems (CMIS), work with regulatory acts, duty, work in prevention departments, functional diagnostics, preparation of reports, presentations, portfolio formation.

2.6 Relationship between postgraduate medical education and health care

Residents of the surgical profile work in various clinical conditions – research institutes, highly specialized hospitals, polyclinics, the UCC is used to improve skills.

Training of resident doctors is carried out on clinical bases with personal participation in the therapeutic and diagnostic process, both in class time and during independent work, according to the WC, residents work with real patients to form professional competence.

Conclusions of the EEC on the criteria. Compliant with 30 standards: full – 30.

Standard 2: Implemented

Recommendations for improvement identified during the external visit:

To provide an alternative choice with an expansion of the list of elective disciplines based on the opinions of residents and employers (clause 2.1.7.)

Standard 3: ASSESSMENT OF STUDENTS

Evidence of compliance:

3.1 Methods of evaluation

EEC experts have established that the methods of assessment of residents are reflected in the Academic Policy of the University, the Regulations on the current monitoring of academic performance, interim and final certification of students. The form of the midterm and final control is approved by the Academic Council. For testing, a technical specification is drawn up – a matrix of test tasks, which is reflected in the syllabuses. To ensure the maximum objectivity and transparency of the evaluation process, checklists for conducting current, midterm and final control of the discipline (Mini-CEX, CbD, OSCE) have been developed at the course of pediatric surgery.

The knowledge, skills, abilities and competencies of residents are assessed on a 100-point scale, corresponding to the letter system from "A" to "F", with the corresponding digital equivalent on a 4-point scale.

Current monitoring is performed by the teacher/clinical mentor.

Line supervision evaluates the results of training upon completion of disciplines. Based on the results of midterm controls, the rating of admission to the final control in the discipline is calculated. If the admission rating is less than 50%, then residents are not allowed to the final control of the discipline and master the discipline in the summer semester, if the duration of study is no more than 6 (six) credits or on a repeated year of study on a paid basis.

Independent examiners who have not conducted training are involved in the final control of the discipline. The final grade for the discipline includes assessments of the admission rating and the final control (examination grade). The share of assessment of the admission rating is 60% in the final assessment of the student's mastery of the curriculum of the academic discipline. The assessment of the final control (examination) is 40% of the final assessment for this academic discipline.

Interim certification of residents is carried out in accordance with the academic calendar, work curriculum and educational programmes developed on the basis of the SCES and standard curricula of the specialties of the residency.

The final certification of residents is carried out according to the forms established by the State Committee on Surgery and Residency Educational Programmes according to EP 7R01123 - «Pediatric Surgery».

The final state certification is carried out in 2 stages: knowledge assessment (comprehensive testing in all disciplines and skills assessment (mini-clinical examination at the patient's bedside).

Residents who have fully completed the educational process in accordance with the requirements of the individual curriculum are allowed to participate in the final certification.

When analyzing the current documentation of residents, it was established that the portfolio consists of a resident's report; checklists with an assessment of practical activities, seminars, shifts, etc.; characteristics of the clinical mentor; information on achievements during the period of study in the residency, if any (awards, certificates, conference programmes, abstracts of publications, video materials, letters of thanks, patients' reviews, etc.).

The assessment is carried out according to the checklists developed by the course staff, who implement the training of residents according to EP 7R01123 – "Pediatric Surgery". Review of instrumentation is carried out inside the department, for 2021-2022 – signed by the head of the pediatric surgery course Ayazbekov E.A.

The compliance of control and measuring tools with training methods and the specifics of the curriculum is monitored by the CEP, which includes experienced methodologists and expert testologists who regularly increase their competence in testology.

After the examinations, the residents are questioned, the results of the assessments are analyzed by the department and the CEP. At the same time, the programmatic psychometric evaluation of tests in the test center of the university has not yet been implemented.

The results of students' academic achievements are recorded in the electronic educational journal through the office-recorder system and the AIS Platonus programme, which automatically generates examination sheets, which is confirmed by experts when viewing 2 electronic journals.

3.2 Relationship between evaluation and training

It has been established that assessment methods are comparable to teaching and learning methods and cover the assessment of all competencies of students both during practical classes and during examinations. Differentiated assessment methods are used to assess different learning outcomes, so theoretical knowledge is mainly assessed by testing, and practical skills are assessed using assessment sheets for each section of the practical work.

At the same time, when analyzing the scorecards, experts revealed that they are of the same type and are used as a template in other educational programmes, that is, without taking into account the specifics of the training area.

The experts also found that during the advanced training courses, the thematic plans did not include questions on training domains and assessment methods.

The conclusions of the EEC meet the criteria of 11 standards: fully - 10, partially – 1.

Recommendations for improvement identified during the external visit:

1) Introduce a psychometric analysis of test tasks based on the relevant software (for example, the Iteman programme) (clause 3.1.6.).

2) Revise the assessment methods and use the assessment sheets corresponding to the specialty profile (3.2.2.)

3) Include a module on teaching methods and assessment methods in the advanced training of teaching staff (3.2.2)

Standard 4: STUDENTS

Evidence of compliance:

4.1 Admission and Selection Policy

According to the submitted documentation, admission to the residency is carried out in accordance with the Order of the Ministry of Education and Science of the Republic of Kazakhstan "On approval of the Standard Rules for admission to education in educational institutions that implement educational programmes of higher and postgraduate education", and the conditions for admission of students to the KRMU are prescribed in the "Rules for admission to the residency" (PR-03-11-05 of 24.07.2020). Criteria for applicants entering the residency correspond to the State Standard of Health and Safety of the Republic of Kazakhstan: basic medical education, higher medical education, internship. Questions about admission to residency educational programmes are posted on the website <https://krmu.edu.kz/rezidentura-3/>.

At the same time, the experts of the EEC established that the selection to the residency is carried out by a commission on the basis of an oral survey on the ticket system, which is a certain risk factor for the objectivity of the results, since it does not exclude face-to-face contact between the examiner and the applicant.

4.2 Number of residents

In order to ensure a balance between the available capacity and opportunities for training of residency students, the availability of EP resources is monitored, while the number of seats in the residency is determined by the possibilities of clinical training, as well as the needs of practical health care. In the specialty «Pediatric Surgery», the university was forced to accept 2 and 3 years of residents from KazMUNO in 2021-2022, while the number of teachers and the capacity of clinical bases is quite sufficient to ensure the educational process. In total, 3 residents study at the department (2 courses – 2; 3 courses – 1).

4.3 Resident support and advice

During the analysis of the educational process in KRMU, it was established that, according to the Academic Policy, academic counseling of residents is carried out by a curator from among the faculty of the department, in addition, the resident is assigned a clinical mentor in the medical organization where the resident is trained. The main function of the mentor is to help in mastering practical skills and competencies. This is reflected in the Academic Policy of the University. All information about the university and about service services is presented on the website of KRMU. Residents are also informed about the services by corporate rezidentura@medkrmu.kz, by chat in the phone, by e-mail. Employees of the Career Center also advise on the employment of residents.

The peculiarity of KRMU is the focus of all processes on high social responsibility. Thus, in accordance with the approved Regulation "On social support for students", approved in 2019, financial support is provided to orphaned students and students without parental care, whose parents have established disabilities of the first and second groups, from large and low-income families.

4.4 Representation of residents

The quality of the implementation of the educational programme is ensured by the participation of residents in the discussion of the mission of the university and the EP. Students have the opportunity to participate in the assessment of EP during direct discussion and approval of work programmes, at the level of development of an individual work curriculum and a catalog of elective disciplines (order for the composition of the CEP No. 26-02-62-n/k dated 26.08.2021). The meeting of the EEC members with the resident asset confirmed that the students actively participate in the life of the university, many of them are members of the University's Student Self-Government. Also, according to the submitted documentation, the CEP (approved by the Rector's Order No. 26-02-15-n/k dated 28.08.2020), along with teachers and employers, includes residents.

At the same time, the interview with residents showed that there is no active involvement in the formation of the mission of the EP, the rules of admission.

4.5 Working conditions

In accordance with the presented valid contracts with clinical bases, residents have access to patients and to all structural units, including clinical departments, operating unit, intensive care unit, intensive care unit in accordance with the needs of the educational process.

Students of EP 7R01123 - "Pediatric Surgery" have the opportunity to participate in morning medical conferences, reports of duty teams, reports of patients going to surgery, rounds, consultations both as listeners and as speakers.

Participate in various activities at clinical sites. Also, practically all reviewers are accepted by part-time employees (no more than 0.5 per cent) in the medical center, so they have access to electronic medical records by their login and password and, accordingly, acquire skills in working with medical records. In the residency rooms, access to computer equipment is provided. During night shifts, residents are provided with places of rest. Clinical facilities provide means of protection: masks, gloves, shoe covers, antiseptics.

Conclusions of the EEC on the criteria. Compliant with 30 standards: fully - 28, partially – 2.

Standard 4: Implemented

Recommendations for improvement identified during the external visit:

1) Modify the admission policy for residency in the EP, taking into account the specific abilities of applicants to improve the effectiveness of training and transparency of the process (4.1.6), include representatives of resident associations in the process of developing the admission and selection policy for residents (4.1.8.)

The career center should include in the work plan measures for career development – training, counseling on leadership, research skills, etc. (clause 4.3.6). (4.3.6).

Document the organization and work of the Resident Council, the resident asset (clause 4.4.1)

4) In the individual plans of residents, take into account all types of activities of the resident (4.5.5.).

Standard 5: FACULTY

Evidence of compliance:

5.1 Recruitment and Selection Policy

Based on the analysis of the Personnel Policy (SC No.5 dated December 25, 2020), it was established that the selection and recruitment of employees is carried out on a competitive basis and in accordance with the Regulation on the competitive filling of positions of faculty and researchers, approved by the order of the rector No. 26-02-44-n/k dated November 27, 2020. Requirements for clinical mentors: basic education, availability of a medical qualification category and sufficient work experience. Recruitment criteria are transparent, fair and HR monitors eligibility.

At the moment, the total number of teaching staff in the course of pediatric surgery is 5 people, of which 3 are full-time teachers and 2 are part-time teachers. Among full-time employees - 1 candidate of sciences. The average age of the teaching staff is 58 years. The faculty members of the department are constantly improving their qualifications.

5.2 Teachers' obligations and development

The management of the NEI "KRMU" in accordance with the needs to improve the level of teaching, improve the final learning outcomes, increases the material and technical base for improving the qualification level and scientific potential of teaching staff, who carry out training in the residency through the School of the teacher, the Institute of postgraduate education, winter and summer schools, which contribute to the formation and increase of the competence and potential of teaching staff. Periodic assessment of teachers' activities is carried out by studying feedback from students, hearing reports on the implementation of work plans, through the system of intradepartmental control, annual certification of teaching staff.

The duties of teaching staff in accordance with their position and their rights are reflected in the Job Descriptions. When analyzing the job descriptions, the members of the EEC did not reveal any differences between the requirements for different categories of teaching staff: head of the department, associate professor, assistant, except for the length of service and the degree.

The data of the report, interviews with teachers, heads of the personnel service confirm the existence of moral and material incentives for employees. During the interview, it was revealed that the modules for advanced training are represented by communication skills, distance technologies and, more recently, in testology. When organizing advanced training, there is no difference in the level of knowledge of a skill.

Conclusions of the EEC on the criteria. Compliant with 7 standards: full – 7.

Standard 5: Implemented

Recommendations for improvement identified during the external visit:

In job descriptions, it is necessary to present more clearly the differentiation of positions according to the criteria for performing scientific work (for example, publication activity, the Hirsch index, etc.) (clause 5.1.1.) (5.1.1.)

Expand the list of modules for improving pedagogical skills, taking into account the level of competence of teachers (clause 5.2.2.).

Standard 6: EDUCATIONAL RESOURCES

Evidence of compliance:

6.1 Logistics and equipment

The University has a developed material and technical base for the professional training of residents in EP 7R01123 - «Pediatric Surgery». In total, the department has 9 clinical bases, which have a total of 19 classrooms and 3 lecture rooms. The study rooms are equipped with all the necessary equipment, visual aids, educational material in electronic form, methodological developments in each discipline, and innovative technologies for interactive teaching methods. This makes it possible to ensure that the educational process is conducted in accordance with educational standards.

6.2 Clinical Bases

Clinical bases for residents studying under EP 7R01123 - "Pediatric Surgery" are: CCCH No.2, Institute of Pediatrics. The department has a sufficient bed capacity, the number of classrooms for practical classes and independent work of residents.

6.3 Information technology

Information support for the work of residents is carried out through: the media (Facebook, Telegramm, etc.) University website - University <https://krmu.edu.kz/rezidentura-3/>; TV monitors in the lobby of educational buildings; boards of official information of the Residency Department and university departments. Automation, in accordance with the credit technology of the educational process is carried out with the Platonus information system, as well as using the Moodle distance learning platform. Each resident has a login and password to log in to the Platonus system, Moodle, has the opportunity to use the services of an electronic library. Residents can receive educational and methodological literature in electronic form, both at the department and in the library. The university provided each department with Internet access.

At the same time, an analysis of library resources found that the KRMU did not have access to the Up to Date and Cochrane Library evidence bases.

6.4 Clinical Teams

Residents together with the staff of clinical bases practice skills of professionalism in all spheres of their activity. The department provides training for residents in an interdisciplinary team by conducting master classes, classes in the form of a "standardized patient", team-oriented training, clinical debriefings, pathology conferences. During interviews with residents, it was established that they carry out sanitary and educational work, conduct training of nursing staff, which contributes to the development of teaching and leadership skills of future surgeons. Working closely with practitioners during patient care, a clinical team approach is formed: mentor and resident.

6.5 Medical Research and Advances

The research work of the department is reflected in the plans and reports of the department.

The results of research are publications of residents together with a teacher, participation in internal scientific grants and making speeches at conferences.

However, there are currently no approved research topics in the course of pediatric surgery.

6.6 Education expertise

When analyzing the Regulations on the Commission for Quality Assurance of Educational Programmes, (Order 26-02-70 nk dated 06.09.21), the quality of the implemented EP residency is assessed sequentially: the department (planning, development, implementation, monitoring, evaluation, revision of EP), CEP (planning, development, monitoring, evaluation, revision of EP), OAW (coordination, control of compliance with the NLS, monitoring, evaluation of EP), OR (implementation, monitoring, revision of EP), DP&CEP (coordination, monitoring, evaluation, revision of EP), AC (approval, evaluation, revision of EP), Scientific Council (approval, evaluation, revision of EP).

6.7 Training in other institutions

To organize and implement academic mobility, the University has organized a department of academic mobility, which is actively working to establish partnerships with Kazakh and foreign universities, but due to the current epidemiological situation, this programme was not implemented.

Conclusions of the EEC on the criteria. Compliant with 21 standards: fully -20, partially - 1.

Standard 6: Implemented

Recommendations for improvement identified during the external visit:

- 1) Expand access to Up to Date and Cochrane Library evidence bases (6.1.1.)
- 2) Motivate faculty and residents to perform research work (R&D) (6.5.1, 6.5.4, 6.6.3, 6.7.1)
- 3) Improve financing mechanisms for the development of academic mobility of residents and teaching staff (6.7.1, 6.7.3., 6.7.4., 8.3.3.).
- 4) Develop and approve research topics on pediatric surgery (6.5.1- 6.5.4)

Standard 7: PROGRAMME EVALUATION

Evidence of compliance:

7.1 Monitoring and evaluation mechanisms

Monitoring and evaluation of EP includes the following stages: discussion, review, revision taking into account proposals and comments made by employers and other stakeholders, recommendation for approval, approval procedure. Improvement of the procedure for evaluating the programme is carried out through discussion of it at the meetings of the CEP, followed by discussion of all members of the Academic Council of the University. The correction of EP is also carried out on the basis of feedback with the participation of stakeholders (teachers, residents, employers).

7.2 Feedback from teachers and residents

During interviews and work with documentation, EEC members confirmed that teachers and residents participate in the assessment and subsequent improvement of the educational programme through different feedback channels. Confirmation of the effectiveness of the education received is also based on the results of feedback - an annual survey of students on the assessment of the level of satisfaction with educational programmes. As a result of the questionnaire analysis, changes and additions are made to the EP.

7.3 Results of Residents and Graduates

The Residence Department collects feedback from students to determine the level of satisfaction with the content of the EP, the organization of the educational process in the form of a questionnaire, monitoring of appeals to the rector's blog, discussion of current issues in the social network. The survey of graduates of the residency of the "Dermatovenereology for adults, children" is also carried out annually (questionnaires are developed and approved)

7.4 Stakeholder Engagement

In 2021, the Career Center conducted a sociological survey "Satisfaction of employers with graduates of the NEI "KRMU ", a total of 30 employers participated (60% response rate) from 6 regions and the city of Almaty. The results of the survey on the quality of graduate training showed that no employer rated the quality of training as "low". Annually, round tables are held with employers (programme and minutes of April 23, 2021).

Based on the results of feedback, an analysis of nonconformities, the need for corrective measures is carried out, and then registration and analysis of the effectiveness and efficiency of the actions taken are carried out. The results of feedback and corrective actions are heard at meetings of the department, the CEP, the Academic Council.

Taking into account the needs of practical health care and the recommendations of employers, the following elective disciplines were developed at the Department of General Surgery with anesthesiology and resuscitation, the following were included in the CED: "Hepatobiliary surgery", "Medical and sanitary support in the elimination of the consequences of man-made emergencies", "Tasks and foundations of the organization of the state system of prevention and elimination of emergencies", "Medical triage of victims", "Basic principles and methods of protecting the population in emergency situations", "Management of scientific research".

7.5 Procedure for Approval of Educational Programmes

THE CEP carries out a systematic study and comprehensive assessment of EP in order to improve and guarantee quality (determining the value of the programme, achieving the goal, achieving tasks, the degree of compliance with the needs of society, the requirements of employers, the effectiveness of the training methodology), as well as an assessment of the educational and methodological support and support of the educational process. The EP is approved at the meeting of the Chair, the CEP and the Academic Council.

Conclusions of the EEC on the criteria. Compliant with 15 standards: fully – 15.

Standard 7: Implemented

Recommendations for improvement identified during the external visit:

1) Involve faculty of pediatric surgery and residents in the CEP and other advisory bodies on planning, development and monitoring of EP (7.2.2.)

Standard 8: GOVERNANCE AND ADMINISTRATION

Evidence of compliance:

8.1 Control

It has been established that the university in the implementation of postgraduate education is guided by the Laws of the Republic of Kazakhstan "On Education", "On approval of the state educational order for the training of specialists with higher and postgraduate education", the order of the Ministry of Health of the Republic of Kazakhstan "On approval of the rules for placing a state order, admission to study and training of medical personnel in the residency", the Standard Rules for admission to study in the organization of education, the State Educational Standard of the residency, which regulate the amount of the state educational order for the training of residents in the field of health.

8.2 Academic Leadership

The academic policy, <https://krmu.edu.kz/akademicheskaya-chestnost/>, which regulates the rights, obligations and responsibilities of students and the administration of the university, the procedure for organizing the educational process, is annually reviewed and approved in the NEI "KRMU". These rules stipulate the officials responsible for the proper implementation of the Rules and the scope of their responsibility.

8.3 Training budget and resource allocation

The budget of NEI KRMU is formed from two sources: the republican budget (state order for training of personnel of higher and postgraduate education, advanced training of medical workers, development of scientific research, transfers) and provision of paid educational services.

8.4 Administration and Management

The staffing table of the department is approved annually taking into account changes in the number of students. According to Art.52 of the Law of the Republic of Kazakhstan "On Education" dated 27.07.2007. No. 319-III, the total number of faculty members is formed on the basis of an average ratio of residents and teachers – 3:1.

8.5 Requirements and regulations

The Regulation on Residency was developed in accordance with the Law of the Republic of Kazakhstan "On Education", the Concept for the Development of Medical Education and determines the procedure for training medical personnel in the Residency in the organizations of medical education and science of the Republic of Kazakhstan, regardless of the forms of ownership, having a license for this type of educational activity and clinical bases.

Conclusions of the EEC on the criteria. Compliant with 15 standards: fully – 15.

Standard 8: Implemented

Recommendations for improvement identified during the external visit:

Standard 9: CONTINUOUS RENEWAL

Evidence of compliance:

EEC experts have established that EP is regularly monitored and evaluated through feedback from residents, TS and stakeholders, including employers, as well as conducting an analysis of the academic achievements of residents.

For feedback from residents and employees at the university there is a blog of the rector on the website of the university, residents have a representation in the Academic Council, Academic Council, CEP, student scientific society, council of young scientists. In addition, the participation of residents in the development of the educational programme is also carried out through the choice of elective disciplines.

AIS Platonus is being upgraded in the Residence for more efficient use of electronic document management.

In order to update educational resources in accordance with the changing needs of the medical organization of education, work is being carried out to develop joint educational programmes with

foreign partner universities with the possibility of two-degree education.

The strategic development plan for 2019-2025 reflects plans to improve the material and technical base of the university, including in the direction of teaching surgical disciplines.

Conclusions of the EEC on the criteria. Compliant with 4 standards: fully - 4.

Standard 9: Implemented

Recommendations for improvement identified during the external visit:

6. Recommendations for the improvement of the educational programme 7R01123 – "Pediatric Surgery" NEI "Kazakhstan-Russian Medical University":

1. In the formulation of the mission of the EP, to provide for the specifics of the preparation of residents and taking into account proposals from stakeholders (paragraphs 1.1.1., 1.4.1.).
2. Encourage residents to carry out scientific projects, participate in publications (1.1.7)
3. To provide an alternative choice with an expansion of the list of elective disciplines based on the opinions of residents and employers (clause 2.1.7.)
4. Introduce a psychometric analysis of test tasks based on the relevant software (for example, the Iteman programme) (clause 3.1.6.).
5. Include a module on teaching methods and assessment methods in the advanced training of teaching staff (3.2.2)
6. Revise the assessment methods and use the assessment sheets corresponding to the specialty profile (3.2.2.)
7. Conduct additional training on training domains and assessment methods, their compliance with teaching methods (3.2.2.).
8. Modify the residency admission policy taking into account the specific abilities of applicants to increase the effectiveness of training and transparency of the process (4.1.6).
9. Include representatives of resident associations in the process of development of the policy of admission and selection of residents (clause 4.1.8.)
10. The career center should include in the work plan measures for career development – training, counseling on leadership, research skills, etc. (clause 4.3.6). (4.3.6).
11. Document the organization and work of the Resident Council, the resident asset (clause 4.4.1)
12. 4) In the individual plans of residents, take into account all types of activities of the resident (4.5.5.).
13. In job descriptions, it is necessary to present more clearly the differentiation of positions according to the criteria for performing scientific work (for example, publication activity, the Hirsch index, etc.) (clause 5.1.1.) (5.1.1.)
14. Expand the list of modules for improving pedagogical skills, taking into account the level of competence of teachers (clause 5.2.2.).
15. Expand access to Up to Date and Cochrane Library evidence bases (6.1.1.)
16. Motivate faculty and residents to perform research work (R&D) (6.5.1, 6.5.4, 6.6.3, 6.7.1)
17. Develop and approve research topics on pediatric surgery (6.5.1- 6.5.4)
18. Improve financing mechanisms for the development of academic mobility of residents and teaching staff (6.7.1, 6.7.3., 6.7.4., 8.3.3.).
19. Involve faculty of pediatric surgery and residents in the CEP and other advisory bodies on planning, development and monitoring of EP (7.2.2.)

7. Recommendation to the ECAQA Accreditation Council

The members of the EEC established the compliance of the educational programme 7R01123 - "Pediatric Surgery" with the accreditation Standards and came to a unanimous opinion to recommend that the ECA Accreditation Council accredit this program for a period of 5 years.

Chairperson	Turgunov E.M.
Foreign Expert	R.A. Nasyrov
Foreign Expert	T.V. Pozdeeva
Kazakh Academic Expert	A.K. Zhumalina
Kazakh Academic Expert	Ermukhanova L.S.
Kazakh Academic Expert	A.K. Akhmetova
Kazakh Academic Expert	Kudabaeva Kh.I.
Kazakh Academic Expert	Sadieva Zh.Z.
Kazakh Academic Expert	A.B. Zhunusova
Kazakh Academic Expert	Tuleutaeva R.E.
Kazakh Academic Expert	Tezekbaev K.M.
Kazakh Academic Expert	E.U. Rakhmanov
Employers' representative	Moldabaeva RAILWAY
Resident Representative	Ermekbay A.A.

Observer for ECAQA M.A. Umarova
















**Quality profile and criteria for external evaluation of the educational programme
(generalization)**

7R01123 – Pediatric Surgery (Summary)

Standard	Evaluation Criteria	Number of standards	Estimation		
			Fully compliant	Partially compliant	Not compliant
1	MISSION AND END OUTCOMES	17	17		
2	EDUCATIONAL PROGRAMME	30	30		
3	ASSESSMENT OF STUDENTS	11	10	1	
4	STUDENTS	30	28	2	
5	TEACHERS	7	7		
6	EDUCATIONAL RESOURCES	21	20	1	
7	PROGRAMME EVALUATION	15	15		
8	GOVERNANCE AND ADMINISTRATION	15	15		
9	CONTINUOUS RENEWAL	4	4		
	Subtotal:	150	146	4	
			150		

The list of documents studied by the members of the EEC as part of the specialized accreditation of the EP Residence 7R01123 - «Pediatric Surgery»

№	Names of documents	Quantity	Date of approval
1.	Academic Policy	1	27.08.2021
2.	Regulations on the Committee for Educational Programmes	1	29.08.2019
3.	Rules for admission to the residency	1	24.07.2020
4.	Regulations on the Commission for ensuring the academic quality of the educational programme	1	26.08.2021
5.	Regulations on the Organization of Training with the Use of Distance Education Technologies	1	29.08.2019
6.	Clinical Instructor Statement	1	17.06.2019
7.	Code of Academic Integrity	1	27.04.2019
8.	Teacher Honor Code	1	12.12.2017
9.	Regulations on the Teacher's School	1	12.12.2017
10.	Personnel policy	1	25.12.2020
11.	Job descriptions of teaching staff	8	24.09.2021
12.	Regulation on the Test Committee	1	28.10.2021
13.	Regulation on the Board of Curators	1	18.11.2019
14.	Rules of Internal Regulations for Students	1	29.08.2019
15.	Rules for using the "Anti-plagiarism. University" system	1	29.08.2019
16.	Regulation on the assessment of students' knowledge	1	29.08.2019
17.	Regulations on social support for students	1	21.06.2019
18.	Regulations on the current monitoring of academic performance, interim and final certification of students	1	29.08.2019
19.	Rules for Granting Academic Leave to Students	1	29.08.2019
20.	Strategy of the NEI KRMU for 2019 – 2025	1	26.12.2019
21.	Educational programme "Pediatric Surgery"	1	24.06.2021
22.	Annual Pediatric Surgery Course Plan 2021-2022	1	18.08.2021
23.	Rue for 2021-2022 "Pediatric Surgery" (1,2,3 course)	3	18.08.2021
24.	Schedule of classes with residents 2021-2022	1	18.08.2021
25.	Syllabuses	11	21.08.2021
26.	Interim Qualification Tests	300	
27.	Teacher Individual Plan	4	
28.	Resident Individual Plan	8	
29.	Schedule of rotation of residents in the units of clinical bases	1	
30.	List of resident scientific reports	1	
31.	Scorecards	9	
32.	Resident Feedback Questionnaire	1	
33.	Resident Portfolio	8	
34.	Learning journals (electronic)	2	
35.	Examination vouchers	2	
36.	Certificates of teaching staff in pedagogy	4	

37.	Examination Tickets	30	
38.	Situational clinical challenges	30	