

To Accreditation Council
of Eurasian Center
for Accreditation and Quality Assurance
in Higher education and Health Care
04.03.2022

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
BASED ON THE RESULTS OF THE EVALUATION OF THE EDUCATIONAL
PROGRAMME 7R01127 – “OPHTHALMOLOGY”
OF NEI "KAZAKH-RUSSIAN MEDICAL UNIVERSITY"
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS OF
POSTGRADUATE EDUCATION PROGRAMMES (SPECIALTY OF
RESIDENCY) IN MEDICAL EDUCATIONAL INSTITUTIONS**

period of external expert evaluation: 16.02-18.02.2022

Almaty, 2022

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List of symbols and abbreviations

Abbreviation	Designation
RoK	Republic of Kazakhstan
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care
ECTS	The European Credit Transfer and Accumulation System
PBL	Problem-based learning
TBL	Team-Based Learning
AIS	Automated Information System
BD	Basic disciplines (training)
EEC	External expert commission
university	Higher education institution
SAC	State Attestation Commission
CCH	City Clinical Hospital
SCES	State compulsory standard of education
DSHR	Department of Science and Human Resources
DLT	Distance Learning Technologies
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care
FSA	Final State Attestation
IPE	Institute of Postgraduate Education
IEP	Individual Educational Plan
KazRIED	Kazakh Research Institute of Eye Diseases
KV	Component of choice
CIS	Control and Measuring Instruments
CEP	Educational Programmes Committee
CED	Catalog of elective disciplines
QEP	Quality of the educational process
NEI "KRMU"	Non-governmental educational institution "Kazakh-Russian Medical University"
MoH RoK	Ministry of Health of the Republic of Kazakhstan
MES RoK	Ministry of Education and Science of the Republic of Kazakhstan
MJ RoK	Ministry of Justice of the Republic of Kazakhstan
RW	Research work
NLA	Normative legal acts
NCIE	National Centre for Independent Examination
SC	Science Center
FLS	Fundamentals of life safety
EP	Educational programme
MT	Midterm
PD	Profiling disciplines (training)
PHC	Primary health care
TS	Teaching staff
RSE on REM	Republican State Enterprise on the Right of Economic Management

WC	Work Curricula
QMS	Quality Management System
SOP	Standard Operating Procedures
IWRs	Independent work of residents
IWR	Independent work of the resident
SC	Simulation Center
IWRT	Resident independent work under the supervision of a teacher
TEP	Typical Educational Plan
ERWR	Educational and research work of residents
EMA	Educational and methodological association
SC	Scientific Council
ACC	Alumni Career Center
SPE	School of Pedagogical Excellence

1. Composition of the external expert commission

In accordance with ECAQA Order No. 02 dated 02.02.2022, an External Expert Commission (hereinafter referred to as EEC) was formed to conduct an external evaluation of the educational programme 7R01127 "Ophthalmology (adult, children)" in the period from 16.02 to 18.02.2022, as follows:

order №	Status as part of EEC	Full name	Regalia, position, place of work/place of study, course, specialty
1	chairperson	Turgunov Yermek Meiramovich	Doctor of Medical Sciences, Professor of the Department of Surgical Diseases of the NJSC "Medical University of Karaganda", President of the NJSC "Surgical Association of Karaganda Region", member of the International Surgery Society
2	Foreign Expert	Ruslan Abdullaevich Nasyrov	Doctor of Medical Sciences, Professor, Vice-Rector for Scientific Work, Head of the Department of Pathological Anatomy with a 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	Tatyana Vasilyevna Pozdeeva	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 Federal State Budgetary Educational Institution of Higher Education "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, NJSC "West Kazakhstan State Medical University named after Marat Ospanov"
5	Kazakh Academic Expert	Ermukhanova Lyudmila Sergeevna	Candidate of Medical Sciences, Associate Professor, Head of the Department of Public Health and Public Health, 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 dermatovenerology and cosmetology Department of NJSC Semey Medical University
7	Kazakh Academic Expert	Kudabaeva Khatima Ilyasovna	Candidate of Medical Sciences, Professor of the Department of Internal Diseases

			No.1, NJSC "West Kazakhstan Medical University named after Marat Ospanov"
8	Kazakh Academic Expert	Sadieva Zhanar Zamankhanovna	Anesthesiologist-resuscitator, anesthesiologist-resuscitator, head of the department of postgraduate education of JSC "South Kazakhstan Medical Academy".
9	Kazakh Academic Expert	Zhunusova Aigul Bitimbayevna	Candidate of Medical Sciences, doctor – pediatrician of the highest category, director of the Department of Academic Work of Semey Medical University NJSC
10	Kazakh Academic Expert	Tuleutaeva Raykhan Esenzhanovna	Candidate of Medical Sciences, Head of the Department of Pharmacology and Evidence-Based Medicine of NJSC Semey Medical University
11	Kazakh Academic Expert	Tezekbaev Kanat Mardenovich	Head of the Department of Traumatology and Orthopedics of NJSC "Asfendiyarov Kazakh National Medical University"
12	Kazakh Academic Expert	Rakhmanov Eltai Utemuratovich	PhD, Deputy Director of the Master's Programme 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 Moldabaeva	Deputy Chief Physician of the State Enterprise on the Right of Economic Management "City Polyclinic No.29"
14	Resident Representative	Ermekbai Abay Amanzholuly	Resident of the second year of study in the specialty "Anesthesiology and resuscitation, including pediatric" of NJSC "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 7R01130 "Pediatrics" 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 the educational programme 7R01127 "Ophthalmology (adult, children)"

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 r.
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 2013
Duration of training	3 years
Total number of graduates since the beginning of EP implementation	30 graduates, including 6 transferred from KazMUNO
Number of residents on EP since the beginning of the current year	21 trainees
Full-time trainers/ Combiners involved in the implementation of EP, incl. % of degree	9/2, 81%

The Department of Ophthalmology was organized on September 1, 2020. The faculty includes 11 people, including 1 corresponding member of the Ministry of Education and Science, 6 doctors of medical sciences, 3 candidates of medical sciences. Degree is 81%. The Department implements residency, master's and doctoral programmes. Currently there is one undergraduate student (2 years of study). Last year, 1 undergraduate (1 year of study) was trained. On the part of TS 3 are candidates for admission to doctoral studies this year. These are young teachers who graduated from residency in KRMU.

Among the employees of the teaching staff there are 2 testologists (Doctor of Medical Sciences Stepanova I.S., Abdullina V.R.), 1 international expert (Doctor of Medical Sciences, prof. Botabekova T.K.). 4 employees of the department were trained on the topic "Development of protocols for diagnostics and treatment of standards in the field of evidence-based medicine and evaluation of medical technologies".

T. Botabekova is a member of the CEP of the University, the President of the NEI "Kazakhstan Society of Ophthalmologists". Abdullina V.R. – Chairperson of the Department of Ophthalmology of the State Unitary Enterprise for Surgery of the Regional Department of the Department of Medical Medicine of the Republic of Kazakhstan, Secretary of the Regional Department of the Regional Department of the Republic of Kazakhstan and the Expert Council under the Chief Freelance Ophthalmologist of the Republic of Kazakhstan. Sarsembekova K.T. – Deputy ROO "Kazakhstan Society of Ophthalmologists" of the State Unitary Enterprise of Surgery EMA Rums.

Group curators are assigned at the rate of 1 curator per 1 group (a total of 3 curators). Mentors – one for 2-3 residents, a total of 10 mentors from the management of the departments of clinical bases. Mentoring is paid from the funds of the KRMU.

The main directions of scientific activity of the department are presented in the table:

Theme	Responsible persons
"Treatment of infantile hemangiomas with B-blockers"	doctor of Medical Sciences Dolmatova i.a., Rasulov I.R.
"Early diagnosis of hereditary corneal diseases. Prediction of Surgical Treatment Outcomes "	doctor of Medical Sciences Begimbaeva G.E.
Lacrimal fluid study in glaucoma	doctor of Medical Sciences Beisenbaeva B.S.
"Ophthalmological manifestations of diabetes mellitus in children of Almaty"	candidate of Medical Sciences Abdullina V.R.
"Automated screening for glaucoma, AMD using artificial intelligence"	dr. med. BOTABEKOVA T.K., Imadieva a.m.

TS and residents participate in scientific conferences:

23.06.2021 - seminar "Multidisciplinary approach to the prevention and therapy of vascular complications of diabetes". Organizers – ROO doctors of endocrinologists of Kazakhstan" and JSC "National Scientific Center of Surgery named after A.N. Syzganov". Report of Dr. med. Stepanov I.S. "Diabetic retinopathy, prevention and therapies".

05.11.2021 - international interdisciplinary scientific and practical conference "Diabetic retinopathy – from monitoring to management". Speakers – Doctor of Medical Sciences, prof. Botabekova T.K., Candidate of Medical Sciences Abdullina V.R., Doctor of Medical Sciences Stepanova I.S., Doctor of Medical Sciences Begimbaeva G.E.

Residents are participants in many conferences. Kenzhebek B.B. took the third place in the Republican Interdisciplinary Scientific Conference "COVID 19 Pandemic: Current Problems and Solutions" for students, graduate students and doctoral students on February 12, 2021.

In 2021, the staff of the department actively participated in the promotion of a scientific grant from the Foundation for Science on the topic: "Automated screening of diabetic retinopathy using artificial intelligence". As part of the grant promotion, a screening study of the ocular fundus pathology was carried out in 45 children of Almaty, in 100 children of Nur-Sultan, suffering from type 1 diabetes. Also, 75 adults with type 2 diabetes mellitus were examined under this grant. Work is currently under way to analyse the data received.

The department organizes a scientific group ("Young Ophthalmologists"), which includes all residents and 4 students of the 4th year of the faculty "General Medicine". The group was organized in September 2020. In 2022, 4 members of the circle entered the residency under a targeted grant from the HCD.

Upon admission to the residency, a strict selection of applicants is carried out. The entrance examination consists of 2 stages. The first is testing. The second is an interview. Interview questions are provided to applicants in advance. The survey is conducted on tickets with the participation of 3 examiners. At the same time, each examiner conducts a survey on one question in the presence of other examiners and gives an assessment. The final grade represents the average of the grades of all examiners.

Active teaching methods are actively used in the classes. This includes PBL, SBL, TBL, etc. The most commonly used algorithms are SBL (simulation algorithms). On clinical bases, the technique of simulations that are closest to natural conditions using modern technology (WETLAB, fundus simulator, etc.) has been developed.

The final control uses approved measuring instruments containing elements of ophthalmic control. Also, the staff of the department developed the forms of individual and group tests.

The staff of the department and residents actively participate in the volunteer movement. During the pandemic, residents volunteered at CSCH to assist in the admission, diagnosis and treatment of COVID 19-infected patients. The department supervises a boarding school for the blind and visually impaired in Almaty, as well as a children's diabetes center on the basis of 2CCCH. Actions are carried out periodically (1-2 times a year), children are consulted free of charge, and a variety of ophthalmic pathologies are monitored and treated. They also organize leisure activities for these children.

The graduates of the department are in demand. Employment is 100 per cent. Many are employed by ophthalmologists at clinical bases (CSCH, KRI SH LLP, Professor T.K. Botabekova of Ophthalmological Center) and in leading ophthalmological clinics in Almaty (MC Focus, Konovalov Clinic, etc.). There is continuity in the career growth of graduates. After graduating from a bachelor's degree, they enter residency and master's degree, then prepare for a doctorate.

2.2 Information on previous accreditation

In 2016, the educational programme 7R01127 "Ophthalmology (adult, children)" was accredited by the National Academy of Arts and Sciences (IAAR), the validity period of the accreditation certificate is until 02.10.2021, No. AB 1076 dated 30.10.2016, is available on the website <https://krmu.edu.kz/akkreditatsii-i-litsenzii/>.

2.3 Conclusion on the results of the review of the self-assessment report and the educational programme 7R01127 "Ophthalmology (adult, children)" for compliance with the Standards of accreditation of postgraduate programmes (specialty of residency) of medical organizations of education and conclusions

Self-assessment report 7R01127 - "Ophthalmology (adult, children)" is presented on 124 pages and contains 13 appendices according to the relevant standards, copies or electronic versions of 25 documents located at <https://krmu.edu.kz/akkreditatsii-i-litsenzii/>.

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 rector of the NEI "Kazakh-Russian Medical University" 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, indicating the responsibility of each employee, information about the representative of the organization responsible for conducting the self-assessment of the educational programme – Kusainova a.s., Vice-Rector for Academic Activities.

The self-assessment of the educational programme 7R01136 – "General 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	1. It is necessary to involve stakeholders in the discussion of the mission of the educational programme. 2. To determine the results of the residency programme, all interested parties should be involved.
6	1. Increase the involvement of residents in research projects. 2. Introduce the results of research projects into the educational process. 3. Develop mobility, both among residents and among teaching staff.

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 contain the real practice of the NEI Kazakh-Russian Medical University for the training of residents in the specialty 7R01127 – "Ophthalmology (adult, children)", taking into account the start of admission of students in 2013, reasoned data, examples of the implementation of the objectives 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 quite complete and updated in terms of the number of residents, teachers, administration, information about selection and admission, training results, results of knowledge and skills assessment, the material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, development plans and improvement.

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 within the framework of the evaluation of the educational programme 7R01127 – "Ophthalmology (adult, children)" was organized in accordance with the Guidelines for the external evaluation of educational organizations 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 17.02.2017) and in accordance with the programme approved on 02.02.2022 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the Rector Dzhainakbayev N.T. Dates of the visit to the organization: 16.02 -18.02.2022.

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 – 9 people.
- Interviews with residents - 277 people in total
- study of the [website http://medkrmu.kz/](http://medkrmu.kz/);
- interviewing - 43 teachers;
- questionnaires of teachers and residents – 113 and 200, respectively
- observation of the training of residents: attendance at a practical lesson on the topic: "Changes in the fundus in general diseases", teacher - Dr. med. Stepanova I.S., group: Ophthalmology. 21-01, base: "KRI of eye diseases" LLP; visit to the magazine club – topic: "Working with sources to prepare for the implementation of a scientific project", conducted by residents, specialty "Neonatology", audience № 717b;
- review of resources in the context of the implementation of accreditation standards: 3 practice/clinical engagement bases were visited, including "Kazakh National Research Institute of Eye Diseases" LLP, where training is conducted on 1 educational programme with the participation of 9 full-time teachers and 2 part-time employees;
- study of educational and methodological documents in the amount of 25 units. both before the visit to the organization and during the visit to the departments (the list of documents studied 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	Botabekova Tursynkul Kopzhasarovna	Senior Lecturer
2	Irina Anatolyevna Dolmatova	Associate Professor
3	Zhaparkulov Aidos Ergalievich	Senior Lecturer
4	Sarsembekova Kamilia Tolegenovna	Senior Lecturer
5	Begimbayeva Gulnara Enbekovna	Senior Lecturer
6	Kenzhebaeva Kamilia Seikamalovna	Senior Lecturer
7	Stepanova Irina Stanislavovna	Senior Lecturer
8	Idris Rashidovich Rasulov	Senior Lecturer
9	Abdullina Venera Ravilievna	Senior Lecturer

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 (Committee of educational programmes, Academic Council, etc.), in an interview with residents and teachers, partial compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the organization, but stakeholders, in particular employers, did not participate in the formulation of the mission and final learning outcomes. At the same time, the mission was brought to the attention of potential residents through the website, social networks, information letters to medical organizations. The strategic plan of the organization for the period of 5 years was reviewed, including such areas as "Mission, Vision and Values", "Market Analysis", "2SWOT Analysis", "Benchmarking", "Accreditation of Competitors", "Risks", "Strategic Goals", "Indicators of Strategic Development", 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 a practical lesson on the topic: "Changes in the fundus of the eye in general diseases", a volume of 2 hours, the experts received convincing data that the training is carried out according to the plan, before the beginning of the lesson, residents respond to tests, receive feedback from the teacher, have the opportunity to improve the skills of studying the fundus with modern equipment. The organization ensures compliance with ethical aspects in the implementation of the educational programme, as experts have studied the Code of Corporate Culture and Ethics (SC No. 4, dated 11/26/2021) and during the interview, residents replied that they were informed about the contents of this document. Residents have access to the following equipment – computer perimeter for static and kinetic perimetry, ultrasound (A and B scan), EPE, OCT (Triton), keratopograph, optical biometer, Verion, oculizer, topolizer. The training is conducted along three learning paths: 1. Training of microsurgeons, 2. Specialists of functional diagnostics, 3. Consultative appointment of ophthalmologists.

When attending the practical lesson "Changes in the fundus in general diseases", a volume of 2 hours and a conversation with residents, experts saw that the organization contributes to the development of practical competencies of residents, including on simulation equipment. At the same time, residents deepen their theoretical knowledge, develop communication skills.

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.

The examination of the measuring instruments showed that the final control used approved measuring instruments containing elements of ophthalmic control. Also, the staff of the department

developed the forms of individual and group tests. The total base of test tasks – 3000 tests, including 500 tests - individual, 100 situational tasks, algorithms with simulations specific for ophthalmology. The organization has implemented an appropriate evaluation policy that allows for a multifaceted evaluation of resident learning achievements. During the interview, the residents spoke about the forms of evaluation, for example, practicing practical skills on special equipment and that they are satisfied with everything. And they also receive regular feedback from teachers. The system of appealing the results of the assessment is reflected in the document (Regulations on assessing students' knowledge dated 29.08.2019 (PL-03-35-10), Regulations on conducting current performance monitoring, interim and final certification of students dated 29.08.2019 (PL-03-35-11) and during the period of organization of education, there were no precedents for appeal. Thus, compliance with **standard 3 has been established.**

During the visit to the organization and during the interview with an employee of Dolmatova I.A., the training associate professor of the department, the commission made sure 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, and educational and methodological documentation (work programme, work curricula, syllabuses, journals), evaluation tools (checklists, statements), certificates and certificates. A review of the website showed that it contained resident documents, syllabuses, monitoring tools, a schedule of exercises, a schedule of consultations and information on upcoming conferences, which was regularly updated. This information was obtained during an interview with Abdullina V.R., a senior lecturer in the department.

The conversation with Verevkina V.I., the Head of the Personnel Department, included such issues as the University's personnel policy, working conditions of employees and allowed experts to learn about approaches to attracting employees of clinical bases. Interview with Stepanova i.s., senior lecturer of the department included such questions as the requirements for mentors, whether there is a sufficient number of mentors and curators at the department, the main functions and allowed experts to learn about approaches to attracting employees of clinical bases for teaching (a total of 8 such teachers – Kanafyanova E.G., Dzhumataeva Z.A., Zhurgumbayeva G.K., Orazbekov L.N., Bakhytbek R.B., Doshakanova A.B., Isergepova B.I., Muravyova L.A., all of them are settled), 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, under this educational programme all teachers have mentors' certificates.

Interviews with 12 teachers, including 9 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 reception of residents and selection of teachers. Upon admission to the residency, a strict selection of applicants is carried out. The entrance examination consists of 2 stages. The first is testing. The second is an interview. Interview questions are provided to applicants in advance. The survey is conducted on tickets with the participation of 3 examiners. At the same time, each examiner conducts a survey on one question in the presence of other examiners and gives an assessment. The final grade represents the average of the grades of all examiners. The data obtained made it possible to establish 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. During the conversation, the experts found out that the main priority scientific direction of the NEI KRMU is the development of mobile medicine for the rural population, the proof of which is the conduct of research at the university, on the topic: "Improving the provision of medical care to residents of rural regions at the level of primary health care, with the help of mobile mobile complexes". 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. The Department of Ophthalmology is currently carrying out 5 research works. The name of the research is given on page 10 of this report. All residents maximally participate in research works of chair and in monthly conferences with reports, carried out together with ophthalmological society.

During the visit to clinical bases (KRI of Eye Diseases LLP), where experts conducted a survey of resources, they found compliance with training programmes, accessibility for teachers and residents of modern equipment and appropriate to the needs of students and practical health care. At the clinical base (KazRIED LLP) there is a simulation room for practicing the skills of cataract surgery. Equipment – operating microscope Lumjera 300 couch, microsurgical instruments, animal eyes, placed in a special fixing stand. In addition, there is a simulator for examining the fundus of the eye (digital ophthalmoscopy simulator). 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 would also like to have more autonomy in conducting eye operations, participate in student mobility exchanges and make presentations at Republican and International conferences with the results of their research. Residents showed their commitment to the organization of education, were active in answering the questions of external experts, demonstrated their judgment on the organization of training, assessment of their skills, advisory support, the opportunity to participate in research, funding, when answering the questions of foreign experts – Professor Nasyrov R.A. and Professor Pozdeeva T.V.

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). I studied the portfolio of a resident of the 3rd year of study Isalieva Azhar, in which all the evidence of the resident's participation in events for 3 years was enclosed, in the form of certificates received, with photo reports.

Interview with 14 employers was conducted online and with one employer offline (Isergepova B.I. – Deputy Director general of KazRIED LLP), 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 employment of graduates of the residency in the specialty "Ophthalmology (adult, children)" is 100%.

The review of resources showed that they correspond to the goals and objectives of educational activities. Proof of this was the clinical base of the Kazakh Research Institute of Eye Diseases, which was provided with all the necessary equipment for training residents - a computer perimeter for static and kinetic perimetritis, ultrasound (A and B scan), EPE, OCT (Triton), keratopograph, optical biometer, Verion, oculizer, topolizer. The employees of the organization of education provide collegial and ethical relations with the 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.

On the last day of the visit to the organization, a meeting of EEC members was held on the results of an external assessment. [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. Experts individually completed the "Quality Profile and Criteria for External Evaluation of the Educational Programme 7R01127 – Adult and Pediatric Ophthalmology» for compliance with the ECAQA Accreditation Standards. No comments were made by the EEC members. Recommendations for improving the educational programme were discussed and the chairperson, Professor Turgunov E.M., held a final open vote on recommendations for the ECAQA 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: as a result of the visit and evaluation of the programme 7R01127 – "Ophthalmology (adult, children)", recommendations for improving this programme were identified and given. It is necessary to involve all stakeholders, in particular employers, in the discussion and definition of the mission of the educational programme, as well as in determining the final results of training. To create levers of motivation in the university, both among students and among the faculty to attract them to research work. Seek opportunities to expand academic mobility for exchange among residents and teachers.

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.

In total 200 people (in total 629 residents for the current year) answered.

Residents of the first year of study – 51.5% prevailed from the total number of respondents, further on according to the list: residents of the 2nd year of study – 33.5%, residents of the 3rd-4th year of study – 11.5%, graduates – 3.5%.

Of the responses received, 87.5% will recommend this university as an educational institution, and 11% will recommend it partially. Fully agree with 89% of respondents and 9% partially that programme managers and faculty are aware of their learning challenges. Fully (87.5%) and partially (10.5%) satisfied with the conditions and equipment of the teaching rooms, classrooms of the university. According to 82.5% (fully) and 14.5% (partially) of office equipment is available for residents on practical bases. Teachers provide residents with methodological and didactic materials, additional literature, 87% of respondents fully agree to prepare for classes, 11.5% partially. The library fund and resources were fully satisfied with 85.5 per cent of respondents, with a partial satisfaction rate of 11 per cent. 88% of respondents have access to electronic educational resources, and 9% consider that partially. According to 87% of respondents, the organization of clinical training for residents fully satisfies them, and 11.5% partially. There is sufficient time for practical training (patient supervision, etc.), we completely agree – 95%, partially 4%. Satisfied with the methods of assessing my knowledge and skills, fully agree 90%, partially 9.5%. According to the respondents, 90.5 per cent of teachers in the classroom use active and interactive teaching methods on a regular basis, and 7 per cent respond seldom. According to 90% of respondents, teachers constantly provide feedback after completing classes, but according to 7.5% - sometimes, and 1.5% – rarely. Fully satisfied that study in higher education – 93%, partially – 5.5%, disappointed – 1% of the respondents. Completely (93%) and partially (6%) satisfied with the organization of teaching at the KRMU. The work of the EEC was assessed as positive – 89.5%, satisfactory – 7.5%.

The teacher survey included 21 questionnaire questions. A total of 113 people answered (484 in total), with 28.3% having teaching experience up to 5 years, 22.1% up to 10 years, 49.6% over 10 years.

74.34% are completely satisfied with the organization of the educational process, and 22.12% are partially satisfied. The university observes ethics and subordination, 86.73% completely agree, 11.5% partially. Fully satisfied with the organization of work and workplace 75.22% of respondents, partly 23%. In the organization there is an opportunity for career growth and development of competence to teachers, completely agree – 70,8%, partially – 22,12%.

In this educational institution, teachers have the opportunity to engage in scientific work and publish the results of research – 75.22% completely agree, 16.8% partially. 83.2% of respondents are fully satisfied with the work of the personnel service, and 13.3% are partially satisfied. Half of those surveyed underwent further training during the year. Most (81.4%) fully agree that they can be implemented as professionals, and 13.3% partially. Unfortunately, 33.6% did not answer the question whether the university supports the teacher in the participation of International and Republican events, and 30.97% did not address this question to the leadership. Most of the respondents 73.45% completely agree, and 22.1% partially agree that the discipline that is taught is provided with sufficient resources (classrooms, equipment). 38.9% are unaware of the implementation of social programmes to support teachers and doubt their availability 10.6% of respondents. The management and administration systematically listen to the opinion of teachers – 65.5%, sometimes 18.6% of respondents. Various teaching methods are used in the education of students, but most often the analysis of situational tasks is used (75.2%), oral surveys (61%), less often they rewrite thematic information from a monograph (10.6%). 70.8% fully agree that this survey will be useful for the development of recommendations for improving the university and educational programmes of the residency, 14.2% partially agree with this.

The results of the questionnaire presented in the Attachment generally demonstrate the effective management of educational programmes, the positive aspects of training in residency programmes, at the same time determine areas for improvement (social support programmes for teachers, support for teachers in terms of improving their professional competence, support for teachers in terms of participation in International and Republican conferences, support for both students and teachers in academic mobility).

5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the educational programme 7R01127 – "Ophthalmology (adult, children)"

Standard 1: MISSION AND END OUTCOMES

Evidence of compliance:

1.1 Mission statement and deliverables

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."

The educational programme of the specialty 7R01127 – "Ophthalmology (adult, children)" is aimed at training competitive specialists who are able to meet the needs of society in the provision of medical care, apply and develop advanced innovative technologies in practice and science, use the achievements of information and communication technologies, strengthen public health.

The main aspect of the declared mission of the educational programme is the study of the need for practical health care in specialists and their effective system of professional training.

Teaching of academic disciplines is based on modern achievements in the field of science and practice, as well as modern educational technologies, which imply the construction of educational trajectories in accordance with the competence approach and the introduction of active teaching methods.

Informing the Training Mission is brought to the attention of the teaching staff at departmental meetings, also held by the administration, supervised by the dean's offices. 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](http://www.medkrmu.kz) www.medkrmu.kz, as well as through information booklets.

1.2 Professionalism and professional autonomy

Teaching of disciplines according to the standard curriculum of the educational programme is carried out on the basis of multidisciplinary clinics, which allows residents to get a holistic vision of patients with various pathologies. This contributes to the acquisition by residents of good clinical practice, the ability to think independently and be able to work independently at a high professional level after graduation.

Training in the residency goes with a focus on practice, so theoretical training is 10%, clinical work 75%, independent work 15%.

When working with residents, training is carried out using updated protocols, treatment recommendations, own and borrowed implementations in clinical practice. Residents are required to participate (including on-line) in conferences and seminars in training seminars, symposiums, trainings, master classes.

The ability to formulate, analyze and document the results of scientific research in the form of publications and reports is a mandatory result of training in the residency.

To increase the level of autonomy at the University, a "General Meeting of Founders" is being formed.

As a result of training, the resident in the specialty 7R01127 – "Ophthalmology (adult, children)" receives a holistic vision of the processes of the doctor's work.

1.3 Learning outcomes

Residents participate in the assessment process of EP by expressing their opinions and wishes at the end of the course of study or mastering a specific discipline in the questionnaire. Residents participate in the assessment process of EP by expressing their opinions and wishes at the end of the course of study or mastering a specific discipline in the questionnaire.

The ability to make independent clinical decisions is a priority area in the training of practitioners. During work in the hospital, the residents, supervising the patients, after the initial examination, make a preliminary diagnosis, prescribe additional laboratory and instrumental examinations, the result of which substantiates the clinical diagnosis, provides an emergency notification, prescribes treatment

1.4 Participation in the formulation of the mission and final results

Since the EP is focused on the expectation of the employer and the needs of the labor market, coordination of the elements of the EP, CED is carried out with employers (order for the composition of the CEP No. 26-02-15-n/k dated 28.08.2020). Employers, members of professional associations are involved in the review of the EP, participation in the discussion of the results at the meetings of the CEP, scientific and practical meetings of the University. Since the EP is focused on the expectation of the employer and the needs of the labor market, coordination of the elements of the EP, CED is carried out with employers (order for the composition of the CEP No. 26-02-15-n/k dated 28.08.2020). Employers, members of professional associations are involved in the review of the EP, participation in the discussion of the results at the meetings of the CEP, scientific and practical meetings of the University. Despite the fact that the report states that employers participate in the discussion and approval of the mission and final results of the EP, when conducting interviews with employers, it turned out that they did not participate in this process.

Conclusions of the EEC on the criteria. Compliant with 17 standards: fully - 15, partially - 2, non-compliant – 0.

Standard 1: Implemented

Recommendations for improvement identified during the external visit:

- 1) It is necessary to involve stakeholders in the discussion of the EP mission to formulate the EP mission.
- 2) To determine the results of the residency programme, all interested parties should be involved.

Standard 2: EDUCATIONAL PROGRAMME

Evidence of compliance:

2.1 Postgraduate programme framework

The educational process at the university is 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). Credit technology involves increasing the responsibility of students for the learning process. The NEI "KazRosmeduniversity" has developed a model of competence of residents, prescribed in the EP), approved at the meeting of the University Council (Minutes No.10 dated June 19, 2019) and including the following structure: patient supervision, communication and collaboration, safety and quality, public health, research, training and development, training and development. Also, the NEI "KazRosmeduniversity" has developed a model and a modular-competence approach to the training of residents. Also, the NEI "KazRosmeduniversity" has developed a model and a modular-competence approach to the training of residents.

2.2 Scientific method

Involvement of residents for the implementation of small research projects carried out as part of the mastering of EP, develops the merits (qualities) of the researcher in students, teaches research methods and skills used in modern scientific practice. The implementation of these strategies is provided by a whole range of measures implemented within the framework of the classroom and extracurricular components of the EP when studying both mandatory and elective disciplines. Thus, such disciplines as "Evidence-based medicine", "Management of scientific research" are included in the CED, residents participate in the work of the PHC within the framework of projects. Currently, 5 scientific projects are carried out at the Department of Ophthalmology with the participation of residents. The results of the research are reported at monthly conferences held with the ophthalmological community and at other conferences at the international and national levels.

Upon completion of the study of the disciplines of EP 7R01127 – "Ophthalmology (adult, children)", the resident demonstrates this knowledge in relation to his/her specialty, masters the skills of conducting an expert assessment of a scientific article, medical history in accordance with methodological recommendations, standards of examination and treatment based on the principles of evidence-based medicine.

2.3 Content of the residency programme

The educational programme in the specialty 7R01127 – "Ophthalmology (adult, children)" was developed in accordance with the State Committee on Epidemiology 2017, State Committee on Epidemiology 2020. When forming the EP for the specialty 7R01127 – "Ophthalmology (adult, children)", the following factors were taken into account: the contribution of each discipline to the formation of competencies at a certain level (course), i.e. the responsibility of both specialized and related disciplines for the formation of a competent graduate, the definition of competencies in each discipline.

The educational programme for training residents in the specialty 7R01127 – "Ophthalmology (adult, children)" is designed for 210 credits: core disciplines – 204 credits, a component of choice – 8 credits, interim certification – 4 credits, final certification – 2 credits.

2.4 Programme structure, content and duration

The structure of the residency in specialty 7R01127 – "Ophthalmology (adult, children)" is formed from various types of educational, scientific and clinical work, practices that determine the content of education, reflects their ratio, measurement and accounting. The EP is implemented in accordance with the State Standardization Committee of 2020 and provides the necessary level of training for residents, includes relevant specialized disciplines.

Profiling disciplines are represented by mandatory disciplines: "Outpatient and polyclinic ophthalmology" – 61 credits, "Inpatient ophthalmology" – 116 credits, "Microsurgery" – 19 credits; disciplines of the component of the choice "Eye neoplasms" – 4 credits, "Eye lesions in diabetes mellitus" – 4 credits, Evidence-based medicine – 4 credits.

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.

2.5 Organization of training

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.

Departments of the NEI "KazRosmeduniversity" headed by the head of the course determine the clinical bases, where the resident will be able to get access to patients in his profile of the educational programme of the residency.

When drawing up the staffing table for the new academic year, for conducting classes for residents, the mandatory requirement for teachers is the presence of an academic degree, academic title and work experience. It should also be noted that a number of requirements are imposed on the staff involved in teaching residents from practical health care - the availability of a medical qualification category and sufficient experience in the specialty.

2.6 Relationship between postgraduate medical education and health care

On the clinical base, a mentor is assigned to the resident – a practitioner of health care who has the highest qualification category. Under the supervision of a mentor, residents are trained in practical skills and abilities in the diagnosis and treatment of various therapeutic pathologies, as well as in maintaining medical records, communication skills with patients, their relatives, colleagues, junior and nursing staff. Feedback from the mentor and the resident is mandatory, since daily interaction in the clinic implies an analysis of clinical thinking, an assessment of the resident's communication skills.

The Department of Ophthalmology currently employs 8 mentors (Kanafyanova E.G., Dzhumataeva Z.A., Zhurgumbaeva G.K., Orazbekov L.N., Bakhytbek R.B., Doshakanova A.B., Isergepova B.I., Muravyeva L.A., all of them are certified and have the highest medical categories).

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

Standard 2: Implemented

Recommendations for improvement identified during the external visit:

Standard 3: ASSESSMENT OF STUDENTS|

Evidence of compliance:

3.1 Methods of evaluation

The policy and procedure for assessing the results of training within the framework of the EP is carried out using criteria developed in accordance with the goals and objectives set for the implementation of the EP and the qualifications assigned within the framework of the current point-rating system for assessing knowledge and monitoring the educational process in accordance with policy, regulatory and internal documents.

The general policy, principles, methods of assessment of residents in the specialty 7R01127 – "Ophthalmology (adult, children)" at the University are reflected in the following internal documents: Academic Policy of the University, Regulations on the current monitoring of academic performance, intermediate and final certification of students at the NEI "KazRosmeduniversity", approved by the Academic Council dated 24.04.2020 No.1. The list of mandatory disciplines for conducting the final control during the academic period is regulated by the completed disciplines, which are reflected in the WEP.

3.2 Relationship between evaluation and training

The methods used to assess the competencies of students in the NEI "KazRosmeduniversity" are defined in syllabuses on disciplines that are discussed and approved at departmental meetings, CEP, AC, SC.

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.

The examination of the measuring instruments showed that the final control used approved measuring instruments containing elements of ophthalmic control. Also, the staff of the department developed forms of individual and group tests, that is, the organization has introduced an appropriate evaluation policy that allows a comprehensive assessment of the educational achievements of residents.

The conclusions of the EEC meet the criteria of 11 standards: 11 in full.

Recommendations for improvement identified during the external visit:

Standard 4: STUDENTS

Evidence of compliance:

4.1 Admission and Selection Policy

Admission to the residency in the specialty 7R01127 – "Ophthalmology (adult, children)" is carried out in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No.600 "On approval of the Standard Rules for admission to training in the organization of education, implementing educational programmes of higher and postgraduate education", with the order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. KR DSM-270/2020 "On approval of the rules for placing a state order, admission to study and training of medical personnel in the residency", the State Standard Administrative Procedure and the Rules for admission to the residency of the NEI "Kazakh-Russian Medical University".

Upon admission to the residency, a strict selection of applicants is carried out. The entrance examination consists of 2 stages. The first is testing. The second is an interview. Interview questions are provided to applicants in advance. The survey is conducted on tickets with the participation of 3 examiners. At the same time, each examiner conducts a survey on one question in the presence of other examiners and gives an assessment. The final grade represents the average of the grades of all examiners

4.2 Number of residents

Questions about admission to residency educational programmes are posted on the website <https://krmu.edu.kz/rezidentura-3/>. Documents on training, working curricula, syllabuses, requirements and to the educational process, acts, orders, etc. are posted on the website of the NEI "Kazakh-Russian Medical University".

The number of accepted residents is regulated by the state order of the Ministry of Health of the Republic of Kazakhstan for the training of medical personnel and taking into account the possibilities of clinical, practical training, the maximum permissible load on mentors, the availability of educational, methodological and scientific literature, the capacity of clinical bases, as well as the material and technical resources of the NEI "Kazakhstan-Russian Medical University".

According to the order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 606 "On approval of the average ratio of the number of students to teachers to calculate the total number of faculty of higher and (or) postgraduate education organizations, with the exception of the Academy of Justice, military, special educational institutions, educational organizations in the field of culture", the number of residents in the specialty 7R01127 – "Ophthalmology (adult, children)" per teacher is 1:3.

4.3 Resident support and advice

Academic advisory work at the department consists of advising residents during the training and before the examination session. Prior to the beginning of each examination session, the department/course develops and approves the schedule for the consultation on the disciplines. Experienced teachers, associate professors, professors are involved in the consultation.

The students of the residency have the opportunity to receive legal advice, psychological support from a regular teacher-psychologist.

Also, each resident is assigned a curator who provides the functions of an academic mentor, participates in the formation and implementation of an individual curriculum, manages the educational and scientific activities of the student, provides assistance in employment.

4.4 Representation of residents

The quality of the implementation of the educational programme is ensured by the participation of students in the discussion of the mission of the university and the educational programme, access to which is available by posting on the website of the NEI "KazRosmeduniversity".

Participation in the development and evaluation of the EP is carried out by the students of the residency by providing systematic feedback and representation in the CEP. AC, SC.

4.5 Working conditions

According to the order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. KR DSM-270/2020 "On approval of the rules for placing a state order, admission to education and training of medical personnel in the residency", resident doctors studying under a state educational order are paid a scholarship.

Resident doctors are granted holidays between academic periods. The duration of the holidays during the school year is not less than seven weeks, with the exception of the final year.

The right to combine training with work (no more than 0.5 hours) in areas of activity close to his future specialty in his free time from study with the consent of the supervisor, the head of the department and the head of the residency department.

Conclusions of the EEC on the criteria. Comply out of 30 standards: fully -30.

Standard 4: Implemented

Recommendations for improvement identified during the external visit: none

Standard 5: FACULTY

Evidence of compliance:

5.1 Recruitment and Selection Policy

The total number of faculty members is formed on the basis of the average ratio of students and teachers – 6:1; undergraduates and teachers – 6:1; residents and teachers – 3:1.

Candidates for posts are selected solely on the basis of competitiveness and merit, ensuring that candidates have equal access to the relevant posts, taking into account qualifications, professional indicators and experience.

Competitive selection is carried out on the basis of the current Regulation on the competitive substitution of positions of faculty and researchers, approved by the order of the rector No. 26-02-44-n/k dated November 27, 2020.

Selection and admission of employees in accordance with the mission of the University are reflected in the Personnel Policy, taking into account the criteria for selection of personnel, including scientific, pedagogical and clinical achievements of candidates, attitude to the mission of the University and other internal regulations.

5.2 Teachers' obligations and development

The main role in the training of residents in the specialty 7R01127 – "Ophthalmology (adult, children)" is assigned to the faculty, whose duties include: to have a full understanding of the requirements of the IWR and the standard curricula of the specialties of the residency; to have a full understanding of the requirements for the level of training of the graduate in the composition of knowledge, skills and abilities in the profile of the direction (specialty) or the discipline provided; to participate in the development of the educational programmes of the residency, to participate in the formation of a contingent of students of the residency in the specialized specialty, to agree on the content of the curricula; to ensure a high level of teaching of disciplines through the application of traditional and the introduction of innovative technologies and interactive teaching methods.

Each employee of the department / course takes a full training in the programme every five years, with a total duration of 2 credits (60 hours) to 10 credits (300 hours).

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

Standard 5: Implemented

Recommendations for improvement identified during the external visit:

Standard 6: EDUCATIONAL RESOURCES

Evidence of compliance:

6.1 Logistics and equipment

The University has a significant material and technical base for conducting the educational process for the implementation of the EP of the residency in the specialty 7R01127 – "Ophthalmology (adult, children)". 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

Training of residents in the specialty 7R01127 – "Ophthalmology (adult, children)" is held at three clinical centers – the Ophthalmological Center of Professor T. Botabekova, KazRIED LLP, 120 beds, Central City Hospital, 30 beds. All clinical bases have study rooms for residents, KazRIED has a library for residents.

The equipment of clinical bases contributes to the high-quality organization of the educational process and the provision of specialized and highly specialized inpatient and outpatient polyclinic care to the population of the region. The classrooms are equipped with personal computers, multimedia installations, office equipment. For a number of years, the clinic has been carrying out gradual work aimed at solving the problems of ensuring the safety of patients, students, and medical staff of the institution.

6.3 Information technology

Information and communication technologies, including Internet resources, international databases of scientific and educational literature, electronic textbooks are actively used in the implementation of the educational programme on residency.

Information support for the work of residents is carried out through: the media (Facebook, Telegramm, etc.) the university website; television monitors in the lobby of educational buildings; boards of official information of the Residence Department and university departments.

KazRosmeduniversity operates a test center for 122 seats, 3 computer rooms for 39 seats, a linguistic office for 15 seats, an electronic hall of the library for 22 seats.

6.4 Clinical Teams

The skills of coordination of work with colleagues and other health care specialists of residents in the specialty 7R01127 – "Ophthalmology (adult, children)" are developed during examination, treatment and emergency care of patients. The resident is present during the consultations, fulfills the orders of senior colleagues within his competence. The result of the resident's activity is checked by the teacher.

6.5 Medical Research and Advances

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, an initiative research was carried out on the topic: "Improving the provision of medical care to residents of rural regions at the level of primary health care through mobile mobile complexes".

The scientific interests of the employees of the Department of Ophthalmology are determined by the profile of the clinical base and the specialty. The department currently carries out 5 research projects. The Young Ophthalmologists Circle operates at the Department. Many teachers and residents are members of the Turkish Society of Ophthalmologists, 2 members of the Russian Society of Ophthalmologists and Strabismologists. Botabekova T.K. – President of the ROO of the Kazakhstan Society of Ophthalmologists. All members of the ROO Kazakhstan Society of Ophthalmologists" cooperate with the Ukrainian Society of Ophthalmologists and the Belarusian Society of Ophthalmologists. Despite all the achievements, it is necessary to expand the participation of residents and faculty in research projects, with the release of the research results in peer-reviewed databases such as Scopus, Web of science.

6.6 Education expertise

The development of expertise in the assessment of education and research in the discipline of medical education is ensured through the joint work of departments, department of academic work, CEP, AC.

Duties of examination in the assessment of education and research in the discipline of medical education are assigned to the department of academic work.

In order to improve the quality of medical education and to develop and improve the pedagogical and professional competencies of teachers and medical workers, a school for teachers has been set up.

6.7 Training in other institutions

The University implements the "Academic Mobility of Students" programmes in accordance with the principles of the Bologna process and in accordance with the goals and needs of students and employees in compliance with ethical principles. The implementation of these programmes contributes to the internationalization of education and integration into the world educational space and is in accordance with the Strategic Plan of the University.

During the current period, opportunities for academic mobility were limited due to the involvement of resident doctors in the work of pharmacy hospitals.

In this regard, it is necessary to expand academic mobility, both among residents and among faculty, in order to exchange experiences and learn from international best practices.

Conclusions of the EEC on the criteria. Correspond from 21 standards: fully - 18, partially - 3, do not correspond – 0.

Standard 6: Implemented

Recommendations for improvement identified during the external visit:

- 1) Expand the involvement of residents in research projects.
- 2) The results of research should be published in international peer-reviewed journals.
- 3) Develop mobility, both among residents and among teaching staff.

Standard 7: PROGRAMME EVALUATION

Evidence of compliance:

7.1 Monitoring and evaluation mechanisms

Monitoring and evaluation of EP is carried out at all levels, a multilevel approach is used, including the profiling /graduating and related departments, the residency department, the specialized CEP of postgraduate education, the AWD, the Academic Council, the Career Center (general monitoring of the quality of educational programmes through a survey of stakeholders (employers, professional associations and students).

Independent monitoring of data on the implementation and achievement of the final learning outcomes (LO) is carried out by the examination of graduates of EP through the National Center for Independent Examination (NCIE) and on the questionnaire of employers. This procedure is carried out annually, after which disciplines are introduced into the catalog of elective disciplines (CED), which allow to strengthen the achievement of the expected final LO.

In addition, mechanisms of continuing professional development of teachers and improvement of pedagogical competencies of teaching staff are implemented at the Institute of Vocational Education of the NEI "KazRosmeduniversity", participates in the competition for the title of "Best Teacher of the University" of the Ministry of Education and Science.

The process of improving the EP is implemented through the specialized CEP, which includes groups of experts on various issues of the educational process (monitoring of the educational process, development of educational programmes, development of CIS, interactive teaching methods, a group on language competence, publishing activities), is based on the results of a survey of residents, teaching staff, employers.

7.2 Feedback from teachers and residents

For feedback with teachers and residents, the Rector's blog is used, on which students and university staff receive answers to questions they are interested in on the terms of implementation of the educational programme. Representatives of residents are members of the CEP, the Academic Council, where they participate in the discussion of the implementation of the educational programme.

7.3 Results of Residents and Graduates

Profile departments collect feedback from students, representatives of practical health care, teachers of other educational organizations in the form of reviews.

The work of all structures that ensure the implementation and evaluation of the educational

programme is regulated by the University Charter, strategic plan, annual plans and reports of the University, as well as the relevant QMS procedures. The results of the assessment are heard at meetings of collegial bodies.

7.4 Stakeholder Engagement

The participation of a wide range of stakeholders in the evaluation and improvement of educational programmes at the university is provided by the authorized bodies in the field of education and health care (MoH RoK), representatives of the public, professional organizations, as well as persons and structures responsible for postgraduate education.

The programme evaluation process involves all stakeholders (faculty, residents, employers) through representation in the relevant structures.

7.5 Procedure for Approval of Educational Programmes

Examination of the EP is carried out by the CEP, for compliance with the IWR, approves the CED according to the trajectories of training of a specialist, taking into account pre- and post-requisites, evaluates the choice of methods for assessing the results of training of residents. 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.

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

Standard 7: Implemented

Recommendations for improvement identified during the external visit:

Standard 8: GOVERNANCE AND ADMINISTRATION

Evidence of compliance:

8.1 Control

The NEI "KazRosmeduniversity" implements the EP for residency in accordance with the regulations approved by the Ministry of Health of the Republic of Kazakhstan and the Government of the Republic of Kazakhstan, as well as the internal rules for the organization of the educational process in the residency.

Students who have mastered the specialty 7R01127 – "Ophthalmology (adult, children)" and successfully passed the state certification, are issued with a state-issued document on the assignment of a doctor's qualification in the specialty "ophthalmologist". On the basis of the order of the Ministry of Education and Science of the Republic of Kazakhstan dated January 28, 2015 No.39 "On approval of the types and forms of documents on the formation of the state sample and the Rules for their issuance", in accordance with subparagraph 6-3) of Article 5 of the Law of the Republic of Kazakhstan "On Education" dated July 27, 2007, a certificate of residency is issued, as well as after passing the IA, the NCSE issues a certificate of a specialist without a category in the specialty "ophthalmologist".

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.

Direct management of resident programmes and coordination of resident activities since the existence of the resident programme is carried out by the Resident Department. The main purpose of the department is to carry out continuous organizational, coordination and administrative work aimed at achieving the mission and purpose of educational programmes, including residency in the accredited specialty. The department reports directly to the vice-rector for scientific and clinical activities, the rector.

The organization of the educational process in the NEI "KazRosmeduniversity" is regulated by the working curriculum in the specialty 7R01127 – "Ophthalmology (adult, children)", the schedule of

training sessions and the IEP of the resident. Assessment of the organization of training at the department /course is carried out through the systematic control of departments/courses by the department.

8.3 Training budget and resource allocation

The budget of KazRosmeduniversity 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.

The faculty is the main resource for ensuring the mission of KazRosmeduniversity. In this regard, the University pays special attention to the processes of recruitment and training of personnel.

8.4 Administration and Management

Quality assurance of the educational process in the residency is determined by the fulfillment of the mandatory requirements for the level of training (SCES 2017.2020), educational programmes) and the creation of a system for monitoring the effectiveness of the teaching staff and the implementation of the IEP of the resident (open classes, intradepartmental control). Monitoring of the quality of the educational process is carried out by the residency department, the department of academic work, members of the committee of educational programmes (employers, students).

8.5 Requirements and regulations

The interaction of the NEI "Kazakhstan-Russian Medical University" with the Ministry of Education and Science and the Ministry of Health of the Republic of Kazakhstan on the organization of the educational process in the residency is carried out through the development and implementation of the SCES 2020 and is consistent with priority areas.

In order to effectively plan, develop and implement residency programmes, the NEI "Kazakh-Russian Medical University" included representatives of practical health care, residents and teachers of departments involved in the implementation of residency programmes in the advisory bodies (CEP, AC).

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:

An example of the process of continuous improvement, approaches to the implementation of EP specialty 7R01127 – "Ophthalmology (adult, children)", is the active participation of stakeholders (primarily representatives of employers) in the formation of an educational strategy that reflects the social responsibility of the university for the development of advanced innovative technologies in medical practice and science, the use of advances in information and communication technologies, as well as the improvement of public health.

An important attention in the procedure of selection of teaching staff ensuring the implementation of the educational programme of the specialty 7R01127 – "Ophthalmology (adult, children)" is paid to the qualification of the candidate (availability of the first or higher category), sufficient experience in the university in the relevant specialty, knowledge of the current state of public health and medicine in the region and in Kazakhstan.

In the work with personnel, various forms of moral and material incentives for teams and individual employees for high quality indicators are provided.

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 of the specialty 7R01127 – "Ophthalmology (adult, children)":

1. It is necessary to involve stakeholders in the discussion and formulation of the mission of the educational programme (1.4.1).
2. To determine the results of the residency programme, all interested parties should be involved (1.4.2).
3. Expand the involvement of residents in research projects (6.5.3).
4. The results of research should be published in international peer-reviewed journals (6.5.4).
5. Develop mobility, both among residents and teachers (6.7.3).

7 Recommendation to the ECAQA Accreditation Council

Members of the EEC established the compliance of the educational programme of the specialty 7R01127 – "Ophthalmology (adult, children)" with the accreditation standards and came to a unanimous opinion to recommend to the ECAQA Accreditation Council to accredit this programme for a period of 5 years.

Chairperson	Turgunov Yermek Meiramovich
Foreign Expert	Ruslan Abdullaevich Nasyrov
Foreign Expert	Tatyana Vasilyevna Pozdeeva
Kazakh Academic Expert	Zhumalina Akmaral Kanashevna
Kazakh Academic Expert	Ermukhanova Lyudmila Sergeevna
Kazakh Academic Expert	Akhmetova Almira Kalikapasovna
Kazakh Academic Expert	Kudabaeva Khatima Ilyasovna
Kazakh Academic Expert	Sadieva Zhanar Zamankhanovna
Kazakh Academic Expert	Zhunosova Aigul Bitimbayevna
Kazakh Academic Expert	Tuleutaeva Raykhan Esenzhanovna
Kazakh Academic Expert	Tezekbaev Kanat Mardenovich
Kazakh Academic Expert	Rakhmanov Eltai Utemuratovich
Employers' representative	Zhazira Dzhumabekovna Moldabaeva
Resident Representative	Ermekbai Abay Amanzholuly

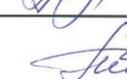
Observer for ECAQA M.A. Umarova

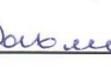


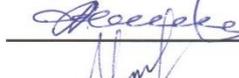
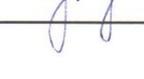











Quality profile and criteria for external evaluation of the educational programme (generalization)

Standard	Evaluation Criteria	Number of standards	Estimation			
			Fully compliant	Significantly matches	Partially compliant	Not compliant
1	MISSION AND END OUTCOMES	17	15	2	-	-
2	EDUCATIONAL PROGRAMME	30	30	-	-	-
3	ASSESSMENT OF STUDENTS	11	11	-	-	-
4	STUDENTS	30	30	-	-	-
5	FACULTY	7	7	-	-	-
6	EDUCATIONAL RESOURCES	21	18	3	-	-
7	PROGRAMME EVALUATION	15	15	-	-	-
8	GOVERNANCE AND ADMINISTRATION	15	15	-	-	-
9	CONTINUOUS RENEWAL	4	4	-	-	-
	Subtotal:	150	145	5	-	-
			150			

List of documents studied by the members of the EEC within the framework of accreditation of the educational programme 7R01127 – "Ophthalmology (adult, children)", of NEI "Kazakh-Russian Medical University"

№	Name of the document	Identification number	Date of approval
1	Personnel policy	R-01-23-01	25.12.2020
2	Regulations on social support for students	P-03-21-06	21.06.2019
3	Regulations on the Commission for ensuring the academic quality of the educational programme	PL-03-36-08	26.08.2021
4	Regulation on the Test Committee	RB-03-18-04	28.10.2021
5	Rules for admission to the residency	PR-03-11-05	24.07.2020
6	Regulations on on-site training in internship and residency	PL-03-11-07	29.08.2019
7	Teacher Honor Code		12.12.2017
8	Regulations on the Organization of Training with the Use of Distance Education Technologies	PL-03-37-05	29.08.2019
9	Regulation on the Board of Curators	PL-03-21-08	18.11.2019
10	Regulation on the assessment of students' knowledge	PL-03-35-10	29.08.2019
11	Regulations on the current monitoring of academic performance, interim and final certification of students	PL-03-35-11	29.08.2019
12	Rules for Granting Academic Leave to Students	PR-03-35-12	29.08.2019
13	Code of Academic Integrity	K-03-36-05	27.04.2019
14	Rules of Internal Regulations for Students	PR-03-36-08	29.08.2019
15	Regulations on the Committee for Educational Programmes	PL-03-17-06	29.08.2019
16	Rules for using the "Anti-plagiarism. University" system	PR-03-17-10	29.08.2019
17	Regulation on the processing, protection and storage of personal data of employees and students	PL-03-23-06	17.06.2019
18	Clinical Instructor Statement	PL-03-11-08	17.06.2019
19	Academic Policy	R-01-17-14	27.08.2021