

To Accreditation Council
Of the Eurasian Center for
Accreditation and Quality assurance
In Higher education and health care

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL
PROGRAMME
7R113700 "OPHTHALMOLOGY, INCLUDING CHILDREN'S"
OF THE LIMITED LIABILITY COMPANY
"KAZAKH ORDER" BADGE OF HONOR"
"RESEARCH INSTITUTE OF EYE DISEASES"
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS OF
POSTGRADUATE EDUCATION PROGRAMMES (RESIDENCY
SPECIALTIES) IN MEDICAL EDUCATIONAL ORGANIZATIONS**

period of external expert evaluation: 12.05.-13.05.2021

Almaty, 2021

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LIST OF SYMBOLS AND ABBREVIATIONS:

GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
ECTS	European Credit Transfer and Accumulation System
PBL	Problem based learning
TBL	Team based training
AUP	Administrative and management personnel
BD (O)	Basic disciplines (training)
SAC	State Attestation Commission
Civil Defense and Emergencies	Civil defense and emergencies
SCES	State compulsory education standard
DS&HR	Department of Science and Human Resources
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state attestation
IC	Individual curriculum (resident)
KIED	Kazakh Institute of Eye Diseases
CVI	Coronavirus infection
CoC	Component of choice
CED	Catalog of elective disciplines
MoH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MEO	Medical education organization
EMC	Educational and methodical council
IAAR	Independent Agency for Accreditation and Rating
STP	Scientific and technical programme
NCIE	National Center for Independent Examination
OJK	Ophthalmological journal of Kazakhstan
EP	Educational programme
DPE	Department of Postgraduate Education
OSCE	Objective structured clinical examination
IC	Intermediate certification
PD (O)	Profile disciplines (training)
WC	Working curricula
QMS	Quality Management System
IWR	Independent work of a resident
SC	Simulation center
IWRUST	Independent work of a resident under the supervision of a teacher
TC	Typical curricula
ERWS	Educational and research work of residents
AC	Academic Council
PDC	Professional development cycles

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 14 dated 04.16.2021, an External Expert Commission was formed to conduct institutional accreditation and accreditation of the educational residency programme "Ophthalmology, incl. children's "KIED in the following composition:

	<p>Chairperson of the External Expert Commission ZHANTELIEVA LYAZZAT ASANOVNA, MD, DSc, Deputy Chairperson of the Board for Research, JSC Scientific Center of Urology named after B.U.Dzharbusynova "tel .: + 77073762818, e-mail:</p> <p>zhantelieva@gmail.com...</p>
	<p>Foreign expert ZAKIROVA GUZEL ZAKIROVNA, Ph.D., Associate Professor of the Department of Ophthalmology, Kazan State Medical University, ophthalmologist at the Children's Republican Clinical Hospital of the Ministry of Health of the Republic of Tatarstan, tel .: +79372880618, e-mail: guzel-@list.ru</p>
	<p>National academic expert ZHANKALOVA ZULFIYA MEYRKHANOVNA, MD, DSc, Professor of the Department of General Health Problems No. 1, Asfendiyarov KazNMU, tel .: 87026043940, e-mail: zulfiya-zhankalo@mail.ru</p>
	<p>National Academic Expert (online) SEMYONOVA YULIA MIKHAILOVNA, Candidate of Medical Sciences, Head of the Department of Neurology, Ophthalmology and ENT, NJSC "Semey Medical University" tel .: 87011508293, e-mail: yumsem@mail.ru</p>
	<p>Expert - representative of employers GULNARA ZARKYNBEKOVNA KALIBEKOVA, Doctor PhD, Master of Public Health, Deputy Chief Physician of the SPE on REM "City Polyclinic No. 10" tel.: + 77057731875 e-mail: kalibekovaG75@mail.ru</p>

	<p>Expert - Resident Representative IMADIEVA AISHOLPAN, resident doctor 3 years of study in the specialty "Ophthalmology, including children's", NUO "KRMU", tel .: +7 775 4494552, e-mail: aishollpan@mail.ru</p>
	<p>ECAQA Observer SARSENBAYEVA DARIYABANU BULATOVNA, Head of the International Department, «Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" tel .: +77771471726, e-mail: info@ecaqa.org</p>

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

The EEC report contains an assessment of the residency educational programme 7R113700 "Ophthalmology and resuscitation, including children's " NSCS for compliance with Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational institutions by ECAQA, recommendations of the EEC on the further improvement of the educational activities of KIED in the field of postgraduate education.

2. General part of the final report of the EEC

2.1. LLP "Kazakh Order" Badge of Honor "Scientific Institute of Eye Diseases" and the educational residency program 7R113700 "Ophthalmology, including children's"

In 1933, in the city of Alma-Ata, by the Decree of the Council of People's Commissars of the KAZSSR No. 858/29 in October 21, the Regional Scientific Research Practical Ophthalmological Institute was organized on the basis of the Alma-Ata Eye Hospital, which was later renamed the Scientific Institute of Eye Diseases ".

In 1983, the Kazakh Research Institute of Eye Diseases was awarded the Order of the Badge of Honor. On August 16, 2019, on the basis of the Certificate of State Registration, the status of KIED was changed to LLP [-limited partnership...](#)

To cover highly qualified ophthalmological care of the population of the northern and central regions of the Republic of Kazakhstan, in 2010, a branch of KIED was created on the basis of the branch of the Railway Hospital in Astana, and in 2015 the branch acquired its own building at the address: Nursultan, 16/1 Zhenis Ave. In 2018, KIED opened its branch in Shymkent, which currently includes a functional diagnostics room, a day hospital, a 24-hour hospital, and a paid department. In 2014, KIED successfully passed the accreditation of the Ministry of Health and Social Development of the Republic of Kazakhstan and the Committee for Control of Medical and Pharmaceutical Activities ([Accreditation certificate No. KZ44VEG00001428 dated December 2, 2014](#)) In 2020, KIED was re-accredited by the Ministry of Education and Science of the Republic of Kazakhstan as a subject of scientific and scientific and technical activities ([Series MK No. 006191 dated 06/25/2020.](#))

On May 02, 2013, by Order of KIED JSC No. 7/1 l/s-n, a postgraduate department was created, which on December 15, 2014 (order of KIED JSC No. 219-p) was transformed into a department of postgraduate education, the main tasks of which are training students of residency and advanced

training cycles. Training of residents in KIED is carried out in accordance with the State License of the Committee for Control in the Field of Education and Science of the Republic of Kazakhstan dated May 06, 2011 No. 0142684 under the state educational order for engaging in educational activities in the specialty "Ophthalmology, including children's". Currently, in accordance with license no.KZ33LAA00016970 dated September 13, 2019. In 2015, KIED introduced a credit training technology.

The ophthalmological school, formed at the institute for several decades, is the leading one in the Republic of Kazakhstan. From its very foundation, one of the priority areas of KIED activity has been professional development and retraining of ophthalmologists. In the last 5 years alone, 68 ophthalmologists have been trained on the basis of KIED within the framework of residency, 632 ophthalmologists and 333 paramedics underwent advanced training. The quality of training and the demand for residency graduates is determined by the high level of their employment (100%).

34 teachers work in KIED LLP, including 8 doctors of sciences, 4 professors, 17 candidates of sciences, 1 PhD doctor, which is 76.5% of the staff number of teachers.

The educational process uses 1 interactive system, 6 modern computers with Internet access, there is a simulation room. The general fund of the library numbers 9407 copies, of which 5323 are specialized literature: these are books, dissertations, abstracts, periodicals, access to electronic information resources is provided.

KIED has agreements on long-term bilateral cooperation with the RSE on the REM "Institute of General Genetics and Cytology", NUO "Kazakh-Russian Medical University", "Kazakh National Medical University. S. Asfendiyarov "and the Republican State Enterprise" Scientific Center for Pediatrics and Pediatric Surgery "of the Ministry of Health of the Republic of Kazakhstan, as well as with research organizations from near and far abroad in the field of education and science.

The main task of training residents in the specialty "ophthalmology, including children's" is the formation of professional competence in the field of various ophthalmopathology.

Thus, KIED is an innovation-oriented and socially responsible scientific center, a leader in the Republic of Kazakhstan in the multi-level training of competitive Health care professionals in the field of ophthalmology through the implementation of a competence-oriented model of medical education with the wide involvement of domestic and foreign scientists and a constant increase in scientific potential.

2.2 Information on previous accreditation

In 2016, KIED passed the institutional ([Certificate IA No. 01](#)) accreditation at the Independent Kazakh Agency for Quality Assurance in Higher Education.

2.3 Analysis of the Residency Study Programme Self-Assessment Report 7R113700 "Ophthalmology, including children's "

Preparation for specialized accreditation of KIED was carried out on the basis of [order No. 59-p dated January 28, 2021](#) ("On the establishment of a Steering Committee and working groups for the passage of institutional and specialized accreditation of LLP").

Self-assessment report educational programme presented at 92 pages of the main text.

The report is characterized by responses to the criteria of 9 accreditation standards, structuredness taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as internal consistency of information. The report is accompanied by an accompanying a letter signed by the Director general of KIED Aldasheva N.A., confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of KIED, responsible for the self-assessment of educational programmes, Doshakanova A.B., head of the department of postgraduate education.

A working group of 28 people, including 8 residents of 1-3 years of study, headed by the chairperson, Dr. med. Aldasheva N.A. Some work was done to prepare the self-assessment report: the content of the accredited educational programme, the conditions for its implementation, staffs, educational resources, the dynamics of development from the date of the previous accreditation in 2016

were analyzed, the necessary information was collected in accordance with Accreditation standards for postgraduate education programmes (residency specialties) of medical educational organizations by ECAQA (hereinafter referred to as accreditation standards); a thorough analysis, updating and addition of methodological and educational materials was carried out, their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of strengths, areas for improvement for each of the 9 standards.

All standards show actual practice KIED for training residents 7R113700 "Ophthalmology, including children's ", taking into account the beginning of the admission of students in 2018, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. In the self-assessment report description fairly completed and updated in term of the number of residents, teachers, administration, information on selection and admission, training results, knowledge and skills assessment results, material and technical base of the university and clinical bases, financial information, plans for development and improvement, etc.

Conclusion on each of the 9 accreditation standards includes a description of the strengths and areas for improvement identified in the course of introspection and development prospects for this EP.

Thus, the self-assessment report of the accredited educational residency programme of KIED contains objective, detailed, structured information on all types of activities in accordance with the ECAQA accreditation standards, and the institute made the appropriate corrections in the report at the expert evaluation stage.

3. Description of external expert evaluation

External expert work on the evaluation of the educational programme residency 7R113700 "Ophthalmology, including children's "was organized in accordance with the Guidelines for conducting an external assessment of educational organizations and educational programmes of ECAQA (approved by 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 according to the programme and schedule approved on May 02 .2021 Director General of ECAQA Sarsenbayeva S.S. and agreed by Director General N.A. Aldasheva.

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC used the following methods: interviews with management and administrative staff, interviews with residents, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and residents, review of resources in the context of the implementation of accreditation standards, the study of regulatory and educational-methodological documents both before the visit to KIED, and during the visit.

On the part of the KIED team, the presence of all persons indicated in the visit programme and according to the lists of interview sites was ensured (Table 1).

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

No	FULL NAME.	Position
1.	Aldasheva Neilya Akhmetovna	Director general of KIED, Doctor of Medical Sciences
2.	Kanafyanova Elmira Gazizovna	Head of the Department of Clinical Work, Chief Physician, MD
3.	Ryazantsev Alexander Ivanovich	Deputy Director general for Strategic Development
4.	Isergepova Botagoz Iskakovna	deputy. Director General for Science, Ph.D.
5.	Imantaeva Mayra Berimzhanovna	chairperson of LEC, d.m.s.
6.	Doshakanova Asel Baydauletovna	Head of the Department of Postgraduate Education
7.	Kolesnikova Irina Vladimirovna	head of financial department

8.	Khlynovsky Victor Yurievich	head of the economic department
9.	Tuletova Aigerim Sembaevna	Branch Director of Nur-Sultan
10.	Shubaeva A.T.	head of department SPE on REM "Almaty mnogopro Philm clinical hospital
11.	Doszhanova B.S.	chief physician of the Zhambyl regional ophthalmological center
12.	Yun O.L.	chief physician of the Ophthalmological Center named after T.K. Botabekova
13.	Musatayeva A.A.	chief physician of Assistance LLP, Medi-Service company.
14.	Kapsalyamova Mira Adilevna	library manager
15.	Kramorenko Yulia Semyonovna	library employee
16.	Stepanova I.S.	Doctor of Medical Sciences, Senior Lecturer of DPE
17.	Bulgakova A.A.	Candidate of Medical Sciences, teacher of educational institutions
18.	Magzumova D	ophthalmologist, who underwent advanced training on the basis of KIED in 2021
19.	Gabdulgazizova S.	ophthalmologist, who underwent advanced training on the basis of KIED in 2021
20.	Tleubaev K.A.	ophthalmologist who underwent advanced training on the basis of KIED in 2020
21.	Irgaibaeva G.A.	ophthalmologist, who underwent advanced training on the basis of KIED in 2021
22.	Rajapova E	ophthalmologist, who underwent advanced training on the basis of KIED in 2021
23.	Kanatbekova Asel Kanatbekovna	residency graduate 2017
24.	Shubina Anna	residency graduate 2020
25.	Mukhambetova (Kazangapova) Aliya	residency graduate 2017
26.	Asainova Makpal	residency graduate 2017
27.	Tukeshev Kuanysh	residency graduate 2020
28.	Kalshabekov Alibi	residency graduate 2016
29.	Malyarova Oksana	residency graduate 2020
30.	Asan Elnur Myrzakurimuly	1 year resident
31.	Asan Abilgayyr Myrzakurimuly	resident of 2 years of study
32.	Rasulieva Meruert Kanatkyzy	resident
33.	Berikbay Gulzat Talgatkyzy	resident of 2 years of study
34.	Sultanbaeva Zhansaya Temirbolatovna	resident 3 years of study
35.	Shaikenova Asiya Dulatovna	resident 3 years of study
36.	Ushimov Almaz Zhanbolatuly	resident
37.	Ruslanuly Kairat	resident of 2 years of study
38.	Grosheva Olga Yurievna	1 year resident
39.	Beketova Meruert Sailaubekovna	1 year resident
40.	Dostangaliev Eset Marinuly	1 year resident
41.	Sytbaeva Aidana Reimkyzy	1 year resident
42.	Khamzina Aizhan Kairatovna	resident of 2 years of study
43.	Oteulieva Marfuga Amanzhankyzy	resident of 2 years of study
44.	Amanzhanova Aziza Askargyzy	resident 3 years of study
45.	Ogarbaikyzy Uldai	resident 3 years of study

46.	Kazenov Tlek Talgatovich	resident 3 years of study
47.	Baykabyl Zhansaya Baykabylykyzy	resident 3 years of study
48.	Inkarbekova Izhan Kairatkyzy	resident 3 years of study
49.	Seilkhanov Miras Tursynkhanuly	resident 3 years of study
50.	Shomanbaeva Zulfiya Alisherkyzy	resident 3 years of study
51.	Amantay Sana Sakenkyzy	resident 3 years of study
52.	Abdykalykova Saltat Kanyshkyzy	resident 3 years of study
53.	Musagalieva Madina Zhandoskyzy	resident 3 years of study

The sequence of the visit during May 12-13, 2021 is detailed in the Visit Programme, which is located in the documentation of the accreditation center and in the annex to this report.

Interview with 4 teachers, 24 residents and 4 employers (representatives of practical health care). It is necessary to take into account the fact that the experience and authority of the institute in the field of postgraduate and additional education shows the demand for graduates and educational programmes of continuous professional development (CPD) by medical organizations in all regions of Kazakhstan.

Interviews with teachers, as providers of the residency programme, showed that there are both successes and problems in the management of the educational programme, since the main developer of programmes and educational and methodological documentation is department of postgraduate education, and teachers are more involved in the practical training of residents and mentoring. In order to verify the data of Standard 5, external experts obtained an opinion on personnel policy and approaches to the development of pedagogical competence of teachers, motivation for working with residents, and mentoring. The experts found that teachers initiate research topics for residents, stimulate the need for additional training and independent work with literature and medical documentation. However, only a few have advanced training in pedagogy.

In order to validate the performance of the self-assessment report data and obtain evidence of the quality of the programmes, interviews were conducted with 8 residents on the zoom platform. The experts asked questions about satisfaction with training at KIED, sufficient time for supervising patients, work in Damumed with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need, access to resources of international databases of professional literature. In general, the residents are satisfied with the training, assessment methods, and purposefully entered KIED, as they believe that the Institute of Eye Diseases has good educational resources, image and international connections.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their opinions on the organization of training, assessment of their skills, advisory support, opportunities to participate in research and development, and funding. The experts studied the documents of residents (portfolio, results of assessment of residents-checklists, results of a questionnaire survey of residents).

Interviews with 4 employers of KIED graduates were conducted online and included such issues as: knowledge of the university's mission, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of KIED, satisfaction with the basic knowledge and skills of residents, participation in 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, 100% employment of residency graduates, etc.

A review of resources showed that the clinical base of KIED (the main institute and polyclinic), available for review at the time of the external visit, corresponds to the goals and objectives of the corresponding educational programmes, since it has a sufficient number of thematic patients, modern equipment, a simulation room, and demonstrates accessibility to students. and employees who simultaneously serve as teachers and mentors (mentors) provide quality training in an ethical and deontological manner. Before starting the corresponding 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.

The experts studied the documentation for the educational programme "Ophthalmology, including children's " link www.eyeinst.kz, which confirmed the compliance with accreditation standards, including documentation of resident educators and mentors, and at the request of EEC members.

Then a meeting of the EEC members was held on the results of the external assessment. A final discussion of the results of external assessment, study of documents, results of interviews, interviews, questionnaires was held. The members of the EEC began to design the final report of the EEC.

A meeting of the EEC members was held. EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and criteria for external evaluation of the educational programme of residency in the specialty "Ophthalmology, including children's "for compliance with ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC, Doctor of Medical Sciences Zhanteleeva L.A. a final open vote was held on recommendations to improve the educational programme "Ophthalmology, including children's» KIED and the final vote on recommendations for the ECAQA Accreditation Council. Then the chairperson of the EEC for the management and employees of the educational organization announced recommendations based on the results of an external assessment as part of the accreditation of educational programmes for residency specialties.

Residents survey results:

An observer from ECAQA on 12.05.2021 conducted an online survey of residents on the resource [https://webanketa.com/...](https://webanketa.com/)

The total number of responding residents - 13... Of these, 7.7% are residents of the 1st year of study, 15.4% are residents of the 2nd year of study, and 77% are residents of the 3rd year of study.

Based on the results of the survey, this institute will be recommended as an educational organization - 92.31% fully agree, and 7.69% partially. The fact that programme managers and teachers are aware of the problems associated with learning - 92.3% strongly agree, 7.69% partially agree.

84.62% of residents, partially 7.69%, are completely satisfied with the conditions and equipment of classrooms, classrooms of this educational organization, at the same time, 7.69% of respondents are not completely satisfied. Fully satisfied with the provision of educational literature - 61.54%, partially - 30.77% and 7.7% did not give an answer. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - to this question 92.31% answered that they completely agree.

More than a third of the respondents (38.46%) are engaged in R&D under the guidance of a teacher, 23.1% have just started planning the implementation of R&D, but 7.69% have not decided on the topic of R&D and 7.69% did not suggest the resident to engage in science. The survey revealed that 15.38% of residents have no desire to engage in research and development.

Fully (61.54%) and partially (30.77%) are satisfied with the library fund of KIED. All respondents were satisfied with the organization of teaching (the amount of time for practical training, the location of the seminars, the topics of the seminars). According to 100% of respondents, there is sufficient time for practical training (supervision of patients, clinical rounds, clinical reviews, assistance during operations). More than 92% of the respondents are satisfied with the schedule of training sessions in the disciplines of the educational programme. 92.3% agree that teachers often use active and interactive teaching methods in the classroom. More than 84.6% of respondents answered that teachers regularly provide feedback (listening to the opinion of residents, conducting mini-questionnaires, working on mistakes).

From the answers of 53.85% of residents it was found that a seminar is held once a week. The other part of the respondents (46.15%) answered that the seminars are held 2-3 times a week.

100% of residents are sure that this educational organization allows you to acquire the necessary knowledge and skills in the chosen specialty. More than 92% describe clinical training as excellent.

The teacher (mentor, curator) of this educational organization is an example for residents -100% answered that they completely agree with this.

100% of the respondents believe that they are provided with a sufficient number of patients for supervision or assistance during operations.

The majority (76.92%) of respondents believe that the accreditation of an educational institution and educational programmes is an important and necessary mechanism for ensuring the quality of education in residency. Others believe that there are more serious quality assurance mechanisms or are hesitant about the answer.

Almost all the tools used by the external expert commission are important in the opinion of the respondents and allow drawing conclusions about the quality of the accredited educational programme.

Conclusions: from the responses to the questionnaire, it was found that the residents fully support the institute and are satisfied with the resources and teaching methods.

At the same time, KIED identified an area for improvement, namely, conducting scientific work by residents, strengthening feedback with residents on the results of practical and seminars, improving the library fund of the institute in the context of the residency programme in ophthalmology.

Results of the survey of teachers of residency programmes:

The ECAQA observer, as part of the external assessment programme, conducted a form questionnaire on May 12, which included 22 questions, allowing to draw conclusions about the attitude of teachers to the organization of the educational process and identify existing problems.

The total number of teachers on the list is 21. The total number of respondents is 21, including those with up to 5 years of experience - 4.8%, up to 10 years - 28.6%, over 10 years - 66.7%.

Fully satisfied with the organization of the educational process 85.7%, partially - 9.5%, no answer - 4.8% (1 person). Ethics is observed in KIED and subordination is 100% fully agreed. 95.2% of respondents are completely satisfied with the organization of work and workplace, partially 4.8%. The organization has an opportunity for career growth and the development of competence for teachers - 95.2% fully agree, 4.8% partially.

In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 100% completely agree. I am satisfied with the salary, 76.2% agree, 19% disagree.

76.2% of the respondents are fully satisfied with the work of the personnel service, 9.5% are partially satisfied, no answer is 14.3%.

About a third of the respondents, 28.6%, had advanced training during the last year, more than 3 years ago - 57.1% and more than 5 years ago - 9.5%, but 1 person answered that he did not remember when he raised their qualifications (4.8%).

The microclimate in the team is considered satisfactory by 95.2% of the respondents. More than 95% completely agree that they can realize themselves as professionals, and 4.8% - partially.

Students of this educational organization have a high level of knowledge and practical skills after completing the training programme, 95.2% fully agree, and 4.8% partially.

The execution of applications for the purchase of methodological and didactic materials, office equipment, stationery to ensure the educational process in the organization is considered timely - 100% of the respondents. The educational organization supports participation in conferences (international, republican): payment of travel, travel expenses, registration fee is more than 66%, and 4.8% did not apply for this to the management, however, 33.3% of the respondents did not give an answer to this question at all.

All respondents (100%) fully agree that residents have free access to patients and resources of the institute. In a practical lesson, teachers provide students primarily with syllabuses (76.2%), control and measuring instruments (71.4%), monographs (33.3%), case studies (14.3%).

The level of previous training of residents upon admission to training programmes is fully satisfied by 23.8% of respondents, partially - 57.1%, at the same time, 9.5% completely disagree, 9.5% of respondents did not answer at all.

71.4% of respondents are aware of the implementation of social programmes to support teachers, at the same time 19% of respondents doubt and do not know about it. Almost 81% of the respondents note that the management of the organization listens to the opinion of teachers in relation to issues of the educational process, research work, clinical work, sometimes 4.8%, 14.3% of respondents did not answer this question.

When teaching residents, a variety of teaching methods are used, but more often the analysis of situational tasks (90.5%), oral questioning and analysis of the topic (90.5% and 95.2%, respectively), work in small groups (57.1%), analysis of tests (85.7%), interactive training (81%), less often problem-oriented training (52.4%). At the same time, lectures are still delivered (33%), although this is not provided for in the residency programme.

Fully 95.2% agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes, 4.8% partially agree with this.

conclusions: the survey showed the presence of a healthy microclimate in KIED, as well as the fact that most of the interviewed teachers are satisfied with the organization of the educational process, the attitude of the management to the teachers of the institute, however, the respondents are not entirely satisfied with the previous level of training of applicants for admission to this educational programme. At the same time, areas for improvement were identified: advanced training of teachers in pedagogy, methods of teaching in residency.

The results of the questionnaire are presented in the appendix and, in general, demonstrate satisfaction with the educational process, with the resources of the clinical base, and also indicate the presence of a centralized management of educational programmes.

Conclusion on the basis of the external evaluation:

The members of the EEC carefully studied and evaluated the main indicators of the accredited educational program. The information obtained by external experts during the study of the self-assessment report, the preparation of a written review with recommendations for improvement, the implementation of the activities of the KIED visit program from May 12 to 13, 2021 is analyzed. All the information received was compared with the data of the self-assessment report, the information was validated for each criterion of accreditation standards and the indicators of the annex to the self-assessment report were verified, which allowed us to verify the reliability of the information provided by KIED and supporting documents for compliance with the ECAQA Accreditation Standards.

In the self-assessment report of the educational programme, representatives KIED described their real educational practice in postgraduate education. Before the visit to the organization, by studying the documents provided by the postgraduate education department, experts reviewed 36 documents, studied the main documents (mission, strategic plan until 2021, syllabuses, instrumentation, checklists, residents' portfolios, individual plans of residents for the 2019-2020 academic year, publications of residents, teachers, rules for admission to residency, personnel policy, internal system programme quality assurance, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for residents to work with literature, patient documentation, educational and methodological literature), which made it possible to identify the compliance of the educational organization's activities with basic accreditation standards. residency (educational programmes, class schedule, admission requirements, etc.).

During the external examination, compliance with the Rules for the training of medical personnel in residency was found (order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. ҚР DSM-16). The volume of the study load and treatment and prophylactic work by sections of the educational programme is determined by the individual work plan of the resident for one year and is monitored by monthly reports of the resident in an arbitrary form. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

In connection with the new edition of order No. 647 On the approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan

dated 02.21.No. KR DSM-12/2020 Chapter 2. Requirements for the content of residency educational programmes with a focus on learning outcomes), there have been changes and additions in the educational programme in relation to the development of the research competence of residents, which must participate in the work of the research team.

In accordance with Article 222 Residency, clause 4 of the Code of the Republic of Kazakhstan "On people's health and the health care system" dated July 7, 2020 No. 360-VI ZRK, external experts studied the activities and conducted conversations with the teaching staff of residents where it was established that each resident was provided with a mentor and curator.

The experts took into account the fact that the accredited educational programme for the current state educational standard is being implemented for 3 academic years. All educational, methodological, personnel and resource bases were assessed for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development, evaluation of educational programmes, decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for the admission and evaluation of residents, the development of the content of individual plans of residents and the selection of mentors and facilitators.

Recommendations for improving activities in the implementation of the educational residency programme "Ophthalmology, including children" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert evaluation, were presented at a meeting with the management on May 13, 2021.

The preliminary online assessment of the reports, the study of the documentation and the 2-day visit (12-13.05.2021) of the external expert assessment of the EEC were completed in full. On the part of the KIED team, the participation of all persons indicated in the programme is ensured.

Thus, the external assessment and the visit of the EEC members made it possible to verify and validate the data of the self-assessment report of the residency programme in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external assessment of the medical organization ECAQA education.

For the work of the EEC, comfortable conditions were created, access to all necessary information and material resources of the accredited educational programme was organized. Experts note the high level of corporate culture and discipline of employees of KIED, employees of clinical departments, responsible for postgraduate education, a high degree of openness of the team in providing information to members of the EEC.

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational residency programme 7R113700 "Ophthalmology, incl. children's" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

The mission is aimed at "training competitive, innovative-minded and patriotically educated specialists who meet modern domestic and international criteria, creating an elite scientific-intellectual and information-cultural environment in the Republic of Kazakhstan, contributing to its all-round economic growth and prosperity."

Taking into account the change in the status of KIED and the developed Strategic Plan for 2020-2025, it is planned to update and edit the mission of the Institute in its educational part in 2021. The mission of the institute, including its educational part, was brought to the attention of all employees of KIED, residents by posting on the website of KIED (www.eyeinst.kz).

Institutional autonomy has been introduced in KIED. Academic freedom implies the independence of the development and implementation of both EP, within the framework of standard curricula, SES (Order of the Ministry of Health of the Republic of Kazakhstan No. 647), and DPE programmes. Freedom in drafting programmes is achieved when describing syllabuses, IEP, RUP, the form, structure and order of development of which is determined by the DPE independently. The

selection / selection of teachers is carried out in accordance with the "Human Resource Management Programme of KIED LLP" (order No. 47-s dated 09/12/2019).

The strategy for searching and hiring employees for full-time vacancies is ensured by the procedure for considering candidates and approving them in the position, the availability of employment contracts, an assessment of the quality of performance of labor duties during the trial period on the basis of the "Regulations on the Department of Postgraduate Education", job descriptions of the teaching staff.

The relationship between KIED and the student is regulated ["By the rules of the internal order"](#) and a contract for the provision of educational services, which is concluded with each student upon enrollment. The "Rules" detail the rights and obligations of all participants in the educational process.

The residency programme "Ophthalmology, including children's", developed within the framework of the State Educational Standard of Education (Order 647, revised in 2020), takes into account the main end results of the resident's training. When teaching, it is specifically paid attention on compliance with the norms of behavior and [The Code of Honor of Students and the Code of Honor of the Teacher](#), approved on September 16, 2020

Thus, during a visit to KIED, experts established compliance with the basic criteria of the accreditation standard: the presence of a mission, strategic objectives of the programme, participation in the development of the mission of stakeholders (employees, teachers, residents' assets), residents are informed about their final results from the first day of classes, provided with resources and a practice-oriented educational programme. The effectiveness of the educational programme is evidenced by 100% employment.

Strengths:

1. Clearly articulated mission statement based on needs analysis public health

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely - 15, significantly - 2, partially - 0, do not correspond - 0.

Standard 1: completed

Recommendations for improvement identified during the external visit:

- 1) *To involve representatives of students in the development of missions of the educational programme.*

Standard 2: EDUCATIONAL PROGRAMME

The educational process is organized in accordance with the " Rules for organizing the educational process on credit technology of training " (order of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 dated 20.04.2011). A credit-modular system and an integrated training approach are used in the training of residents. A model of residents ' competence has been developed, prescribed in the EP approved at the meeting of the SC (protocol No. 2 of 02.04.2019). When drawing up the learning trajectory, the sequence of passing modules/disciplines is observed, taking into account pre - and post-requirements, the content of which is aimed at achieving knowledge, skills and abilities, providing a step-by-step approach to their study.

Persons who have completed training and successfully passed the final certification are awarded the qualification "ophthalmologist" and a certificate of completion of residency is issued

Practical training includes the daily personal participation of the student in medical activities using methods of diagnosis and treatment based on evidence-based medicine; mastering the practical skills provided by the training programme; work to promote a healthy lifestyle.

Resident training methods include: seminars, webinars, conferences, writing assignment (Essays), clinical walk-through, case studies, problem-based learning (PBL); Case-Based Learning (CBL), Team-Based Learning (TBL); simulation-based teaching, role play, brainstorming, group discussion method, portfolio, combination survey, small group teaching method, simulation technology, presentations.

Clinical mentors, according to [Guidebook](#) are employees of public health institutions and doctors of practical health care.

The resident represents the ability for continuous professional growth of the student, representing the totality of individual educational achievements in the form of a "Portfolio". Control over the design of the portfolio, verification of the authenticity of documents is carried out by the curator (mentor) of the group.

The training programme for residents provides for the implementation of various forms of educational and research work (preparation of messages, reports, research, publication of scientific articles, poster reports, participation in scientific and practical conferences, etc.), taking into account the personal interests of students.

The Council of Young Scientists of KIED promotes the involvement of residents and young employees in research work. In the journal "Ophthalmological Journal of Kazakhstan" published by KIED, residents can publish scientific articles free of charge ([OJK No. 1-2, 2019](#)).

KIED has a clinical base that allows the student to get maximum access to patients in their profile of the DPE programme. The main clinical base is the head branch of KIED (Almaty) / chief physician E.G. Kanafyanova, doctor of medical sciences, doctor of the highest category, and a branch of KIED (Nursultan) / director Tuletova A.S., Ph. MD, doctor of the highest category.

Development and evaluation DPE programmes in the areas of training are carried out by the EMC, reviewed by representatives of practical health care (employers) and approved by the CA of KIED. From the 2021-2022 academic year, it is planned to include a resident of 2-3 years of study in the EMC.

According to the implementation of the project "Modernization of medical education and science" dated 03.03.2017, in pursuance of the Action Plan for solving problematic issues in the activities of medical education organizations, approved by the Minister of Health of the Republic of Kazakhstan dated 02.08.2017, a medical organization can send a letter of desire to the head of KIED train a resident at this clinical base So, in accordance with this document, in KIED, 4 resident ophthalmologists from [Karaganda Medical University](#)...

Thus, during a visit to KIED, experts established compliance with the basic criteria of the accreditation standard: a developed and approved educational programme that meets the requirements of the State Educational Standard of Education 2019 and is implemented in a student-centered and patient-centered environment in the best clinics of the city. The educational programme is provided with appropriate methodological documentation and documents accompanying residents (guidebook, Codex, Portfolio structure, EMCD, syllabuses). Teachers have introduced and effectively apply various teaching methods, mainly of a practical nature, and involve residents in research, which contributes to the formation and development of competencies in the specialty.

Strengths:

1. Flexibility in the implementation of the educational programme;
2. Taking into account the needs of practical health care in the development of electives;
3. Patient-oriented and safe learning environment (certified and accredited clinics);
4. Using innovative teaching methods to build clinical skills;

Conclusions of the EEC on the criteria. Out of 30 standards conform: completely - 28, significantly - 2, partially - 0, do not correspond - 0.

Standard 2: completed

Recommendations for improvement:

- 1) *In the educational programme, reflect competencies by levels of study;*
- 2) *Rework and revise syllables (reflect innovation).*

Standard 3: ASSESSMENT OF TRAINEES

Assessment of educational achievements of students determines the level and quality of training of residents, as well as the competencies that graduates have at the end of the training. The policy and procedure for assessing learning outcomes within the EP is carried out using criteria developed in accordance with the goals and objectives for the implementation of the EP and awarded qualifications within the framework of the current point-rating system for assessing knowledge and monitoring the educational process in accordance with directive, regulatory and internal documents...

The policies and methods for assessing residents are reviewed and approved at a meeting of the EMC DPE... The general policy, principles, methods of assessing residents in KIED are reflected in Academic Policy for the 2020-2021 academic year, educational programme.

Responsibility for the implementation of the policy for assessing the educational achievements of residents lies with the faculty of the DPE.

KIED has defined, established and published the principles, goals, methods and practice of assessing residents, including specialist qualification exams. The Institute ensures that the assessment covers the knowledge, skills, professional behavior and attitudes of residents towards patients and future profession.

KIED uses an additional method for assessing the work of residents - portfolio assessment, which corresponds to the final goals of the programme and contains uniform reliable and valid criteria for assessing the student's activities. The assessment of practical skills is carried out according to checklists developed by the employees of the DPE, who are at the same time the teaching staff of the residents.

Residents are engaged in research work, which ends with the publication of a scientific article or a report at scientific and practical conferences. The evaluation of scientific work (participation in the registration of a scientific grant, implementation of a scientific grant) is included in the portfolio evaluation checklist and affects the total score of the resident's assessment.

The strategy of examination policy is covered in the "Academic policy of KIED for 2020-2021" (minutes of September 16, 2020)

Residents who have completed their training in the educational programme of residency and passed the Final State Attestation are awarded the qualification of an ophthalmologist and issued a state-recognized document. If the resident is expelled from the KIED residency, then a Certificate is issued.

Planning procedure, organization, monitoring and analysis of assessment methods in KIED ensures the reliability and validity of these methods. For residency students, most of the test items are based on clinical situations, which correspond to the level of understanding, application, synthesis, analysis and evaluation. The development of new control and measuring instruments is carried out by the employees of the DPE through the study of world experience in assessing the knowledge of residents.

In order to objectify the process of assessing the learning outcomes in residency 7R113700 "Ophthalmology, including children's" involves independent experts. When conducting the final state certification to assess the educational achievements of residents, the commission includes practical health professionals in the specialization profile and external examiners. To assess the acquisition of practical and communication skills of residents, a mini-clinical exam is conducted.

The teaching methods and the end results of the learners are comparable. There are general assessment criteria, meaning that all students are treated equally and that they are informed about what is expected of them during the assessment activities, in what form they will be carried out. The process of informing the resident about the methods of teaching and assessment is reflected in the Syllabuses, which are available both in electronic and printed versions in the library of KIED, the fairness of the assessment for each discipline is reflected in the questionnaire questions.

All of the above ensures the reliability and validity of the assessment methods used.

KIED uses a system of appeal of assessment results based on the principles of fairness and compliance with legal requirements.

The results of the current educational achievements of students are reflected in educational journals, which filled in in accordance with the calendar-thematic plan. The methodology for registering learning outcomes is spelled out in the "Academic Policy" of KIED. Resident assessment results KIED are reflected in the minutes and in the reports of the chairmen of the SAC.

The main principle of assessing the educational achievements of residents, in which a holistic understanding of the discipline is formed, the importance of its elements from the perspective of future professional activity, is continuous control over the learning process, the formation and consolidation of the acquired skills. To successfully pass the final control, the resident must master the educational

programme and master the key competencies of the future doctor. In the process of mastering the educational programme, the resident is trained using simulators, practical work directly with patients at the patient's bedside.

The EP provides for integrated training for a holistic vision of the pathological processes underlying various ophthalmopathology from the standpoint of determining the pathogenesis, clinical manifestations, laboratory instrumental diagnostics and treatment. This is reflected in the instrumentation - test items, situational tasks, interview questions. At the end of each year of study, residents undergo a questionnaire, based on the results of analysis, which is carried out with the aim of correcting teaching methods.

Strengths:

1. The principles, methods and practices of assessment are consistent with learning outcomes
2. Transparency of the assessment of residents

Conclusions of the EEC on the criteria. Out of 11 standards conform: completely - 11, significantly - 0, partially - 0, do not correspond - 0.

Standard 3: completed

Recommendations for improvement identified during the external visit:

- 1) *Detail checklists for assessing practical skills in the form of steps, develop checklists for SIW and SIWWT and bring them to the attention of all residents.*
- 2) *Revise the format of instrumentation and control (CIS).*

Standard 4: RESIDENTS

In KIED annually, by order of the Director general of KIED, a commission is created for accepting documents for residency, counseling for those entering the residency is also carried out by the selection committee.

The number of students in the residency of KIED is determined based on the capabilities of the clinical base, as well as the needs of practical health care. Until 2017, the need for ophthalmologists was based on the data from reports of chief freelance ophthalmologists, which were heard at the KIED State Medical University. Based on the applications of the chief freelance ophthalmologists, a general application for the training of ophthalmologists was formed. In addition, the need for specialists was determined by the Ministry of Health on the resource management system - RMS (form 30) monitors the need for personnel in the country and sends data to universities, research institutes and scientific centers that train in residency. The RMS also takes into account the personnel contingent of pre- and retirement age and the necessary need for specialists. KIED, taking into account the capabilities of the clinical base and the needs of the regions in medical personnel, sends an application to the Department of Science and Human Resources Development of the Ministry of Health of the Republic of Kazakhstan (DS&HR) indicating the number of residents that can be accepted for training. In accordance with the submitted request, the DS&HR allocates a state order for the training of medical personnel. Currently, the need for ophthalmologists is reflected on the website of the electronic labor exchange enbek.kz.

Training of residents at the clinical base of KIED is possible due to the availability of highly qualified personnel potential: all staff of the teaching staff have certificates in the specialty, qualification categories and / or academic degrees, and are also practical doctors, head. departments or consultants of the clinical base, which indicates the corresponding professional competence of the teaching staff.

The availability of a modern material and technical clinical base and the professionalism of practical health care workers (clinical mentors) make it possible to provide a balance and opportunities for training and recruiting residents.

Examination Board 7R113700 "Ophthalmology, including children's" is formed from among highly qualified scientists - the Chairperson and three members from among the employees of KIED and affiliated scientific organizations with an academic degree in the relevant specialty.

The formation of a future doctor begins with fundamental knowledge, which largely depends on his education in the field of biomedical knowledge, on the ability to apply them in clinical practice. Biomedical knowledge, achieved at the undergraduate level prior to the commencement of postgraduate education, is the key to understanding the clinical disciplines that a resident develops in the course of training in the relevant specialty. In this regard, a key role in assessing the previous level of education is played by an entrance examination in a specialty, assessed on a 100-point assessment scale.

In order to ensure compliance with uniform requirements and resolve controversial issues, an appeal commission is created in KIED to consider appeals. The chairperson and composition of the appeal commission at KIED is approved by the order of the Chairperson of the Admissions Committee (Director general of KIED).

The policy of admission to residency at KIED is being revised with the introduction of additions and changes to the current regulatory legal acts of the Republic of Kazakhstan, namely.

The number of admitted 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 the supervisors (according to the regulations on residency, the number of residents per teacher is 1: 3), the provision of educational, educational and methodological and scientific literature, the throughput capacity of the clinical base, as well as the material and technical resources of KIED.

The number of students in the residency of KIED is determined based on the capabilities of the clinical base, as well as the needs of practical health care.

Training in targeted residency is aimed at eliminating the shortage of medical personnel in rural areas in specialties in demand among the population, as well as at finding employment for graduates. In addition, at KIED, residency training in the specialty 7R113700 "Ophthalmology, including children's" is carried out under a bilateral agreement (on a paid basis).

Employees of KIED take part in collegiums, conferences, meetings, meetings of specialized commissions of the Ministry of Health, RSE at the RHV "Republican Center for Health Development", conference calls with regional Health Departments, etc., provide medical advice and methodological assistance for the regions. All of the above activities are used in preparing requests for the formation of the number of residents in the specialty.

To implement the competence-oriented Model of medical education, KIED operates a system of academic consulting for residents. For this purpose, by order of the Director general of KIED, a curator is assigned to the resident, who provides the functions of an academic mentor, participates in the formation and implementation of an individual curriculum, and manages the educational and scientific activities of the student. The curator is appointed from among the faculty of the DPE. In addition, a clinical mentor is assigned to the resident. Its function is to guide the resident to master the practical skills and competencies necessary for the resident in the process of his training, which is reflected in the Academic policy of KIED.

In KIED, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, social support can be provided to students, source: funds of KIED (non-budgetary), funds of the workers' trade union. Social assistance to students can be assigned by order of the Director general of KIED in the form of: one-time financial assistance, discounts on tuition fees - to special categories of students.

In the implementation of social support, counseling, the principle of confidentiality is observed.

The main tasks of the teaching staff of KIED are to provide support for vocational guidance and career planning of residents, increase the mobility, competitiveness of graduates in the labor market, expand the framework of social partnership and improve the "resident-educational organization-employer" system.

Graduates of KIED are in demand in the labor market, which confirms the high employment rate of residency graduates, so in 2020 the share of graduates who arrived at the place of employment was 100%, those who were employed - 74%, 26% did not start work due to the entrance to maternity leave.

If the resident encounters difficulties, the curator, mentor, teaching staff of the DPE provide the opportunity to work out classes when missing for a good reason, the possibility of academic mobility or transfer to another university may be considered.

Participation in decision-making in the professional sphere and the development of mentoring skills consists in supervising senior students of junior courses by residents of senior courses, which includes the implementation of joint practical manipulations, as well as preparation for seminars and conferences. In the process, residents improve not only clinical practice, but also mentoring skills.

For residents, there is motivation in the form of awards, participation in republican and international conferences, in master classes and trainings, publication of joint scientific works, participation in scientific research conducted at KIED. The activity of residents in the public, scientific life of the department, the clinical base of KIED or outside it is encouraged when considering the materials of the portfolio.

In the presence of a specialist certificate, residents of the 2nd and 3rd years of study are allowed to conduct independent medical activities in public and private medical institutions (no more than 0.5 rate) outside the classroom with the consent of the curator and the head of the DPE. From the number of students in residency at the moment

Residents studying at KIED, in accordance with the needs of the educational process, have access to all structural units, including clinical departments and the operating unit, except in cases where the admission of students to the treatment process is not allowed by the current legislation and / or the requirements of patients.

Residents also participate in all events held at the clinical base: "Open Days", in the organization and holding of conferences, seminars, symposia, forums aimed at exchanging experience, scientific and practical information, strengthening mutually beneficial ties.

Each resident submits a monthly report to the mentor / curator, which displays all the work done during the month. For the entire period of study, the achievements and work of the resident are reflected in the portfolio.

In the 2019-2020 and 2020-2021 academic years. in connection with the COVID-19 pandemic, the educational process was partially transferred to the online format (theoretical part of the EP): lectures, seminars, consultations of the curator and residents, exams in the theoretical section of each discipline.

The teaching load of residents is compiled in accordance with the Law of the Republic of Kazakhstan "On Education", the mode of classes from 08.00 to 17.00 students is regulated by educational programmes developed on the basis of the State Educational Standard, sanitary and epidemiological rules and norms, curricula and recommendations of health and education authorities.

The volume of hours of study work within 1 credit is distributed by type of work in the following ratio: academic hours - 3, independent work under the supervision of a mentor - 22, independent work of a resident - 5 hours. Residency work is the main and dominant responsibility of a resident.

The IEP is compiled for each academic year on the basis of the WC approved for the corresponding academic year and the catalog of elective disciplines. For the formation of the IUP, the responsibility is by deputy head of DPE. For students transferred from other universities, restored, remaining for a second year of study, returning from academic leave, the IEP is drawn up on the basis of the WC approved for the corresponding academic year, taking into account the difference in the curriculum or academic debt.

The IEP includes disciplines of a compulsory component, types of educational activities and disciplines of an optional component.

The responsibility for ensuring the quality of the educational process rests with the DPE.

Strengths:

one. Opportunity to train residents in the only clinic for eye diseases with various pathologies of the organ of vision.

2. Stimulating the scientific activity of residents

Conclusions of the EEC on the criteria. Out of 30 standards conform: fully - 27, significantly - 3, partially - 0, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit:

- 1) *Provide residents with access to electronic databases of modern professional literature.*

Standard 5: ACADEMIC STAFF / FACULTY

KIED applies effective and open criteria for recruitment and appointment to teaching positions and guarantees equal employment opportunities consistent with legal requirements and any other selection criteria.

DPE KIED, implementing the educational programme 7R113700 "Ophthalmology, including children's" has a sufficient number of teachers in accordance with the mission for the successful implementation of the educational programme for residency. Teachers must meet the relevant qualifications.

The teaching staff is formed based on the needs for the effective implementation of the educational programme, as well as on the basis of the total volume of the study load. When drawing up the staffing table for the new academic year, in order to conduct classes with residents, it is a mandatory requirement for teachers to have basic education and work experience.

The personnel management department ensures compliance with the requirements of personnel policy in the educational programme for residency by monitoring the ratio of the profile of the teaching staff required for the implementation of the educational programme.

In case of changes in qualification requirements, criteria for assessing the effectiveness and scope of activities of teaching staff, the management of KIED provides equal opportunities for continuous professional development, which contribute to the achievement of the mission and final learning outcomes.

The strategy for the search and recruitment of employees for full-time vacancies complies with the principles of transparency and equality, which is ensured by the procedure for considering candidates and approving them in the position, the availability of employment contracts, an assessment of the quality of performance of labor duties during the trial period based on the approved provisions of the Regulation on the postgraduate department (2013) " , job descriptions of the teaching staff (IMS of JSC "KIED" DI 35.01-35.07-2014). The policy of a clear distribution of powers is implemented through the improvement of the organizational structure, the content of regulations on divisions and job descriptions. Familiarization with job descriptions is carried out when applying for a job.

Evaluation of the effectiveness and quality of teaching is carried out through a questionnaire survey of students and teachers at the end of the academic year.

The management of KIED recognizes and appreciates the academic activities of teachers who effectively implement the educational programme in residency 7R113700 "Ophthalmology, including children's" and achieving high end results in pedagogical, research and clinical activities.

The number of teachers with an academic degree and / or an academic title is 76.5%.

Strengths:

1. Highly qualified staff of teaching staff: employees perform on average up to 34,000 operations;
2. High degree of teaching staff-76.5%

Conclusions of the EEC on the criteria. Out of 7 standards conform: completely - 6, significantly - 1, partially - 0, do not correspond - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

- 1) *Provide for the possibility of financing advanced training of teaching staff on pedagogy and teaching methods;*
- 2) *Develop and approve a mentoring regulation;*
- 3) *Revise the methodology for assessing the activities of teaching staff (questionnaire).*

Standard 6: EDUCATIONAL RESOURCES

KIED has a developed material and technical base for the implementation of professional training for residents 7R113700 "Ophthalmology, including children's". The material, technical and social base, which is in the operational management of the KIED, is located in the cities of Almaty (6941 sq. m.), Astana (3156.8 sq. m.) And Shymkent and includes: lecture halls, study rooms, library, computer room, simulation room, information technology tools, clinical (outpatient, diagnostic, inpatient, laboratory) departments of the institute.

The head branch of the Institute (Almaty) has 4 inpatient departments (1 for pediatric ophthalmopathology, 2 for vitreoretinal, 3 for vascular pathology, 4 for a fee), a day hospital, an outpatient microsurgery center, 4 operating rooms, an emergency department, functional ophthalmologic diagnostic, consultative and diagnostic department (polyclinic), Republican laser center, refractive surgery department. There are laboratories - clinical diagnostic, laboratory of pathological histology and preparation of donor tissues for transplantation, laboratory of contact correction, laboratory of prosthetics. For catering for students, the institute has a canteen with a total area of 54.4 sq.m.

The branch of KIED in Nursultan has: a consultative and diagnostic department, a functional diagnostics department, an emergency department, a round-the-clock hospital, a children's department, a day hospital, an operating unit and an anesthesiological department (3 operating rooms).

Classes with residents are held in 2 classrooms with an area of 2.3 square meters. Lectures and seminars are held in the large conference hall (162.5 sq. m.) Of the head branch (Almaty), the conference hall (57.6 sq. m.) And the assembly hall (87.7 sq. m.), entrance exams, exams in the framework of midterm and final control, meetings of management with residents.

The library provides operational library and information-bibliographic services for students, teachers, employees of clinical and paraclinical departments in accordance with information requests. The general fund of the library numbers 9407 copies, of which 5323 are specialized literature: these are books, dissertations, abstracts, periodicals.

In the computer room of the library there are 6 computers, duplicating and copying equipment - 3 copying machines.

A safe environment is provided by several mechanisms:

1) Organization of an electronic access system inside the buildings of the institute and the supply for this purpose of all employees and students with personal electronic access cards. At the entrance to the KIED building, there is a point where an employee of the security agency is located. A video monitoring system was installed in the amount of 107 pieces, of which 23 are outdoor surveillance cameras. All cameras are combined into a single center, recording is made automatically and stored for a long time.

2) Informing and training teaching staff, employees and students on civil defense, emergency situations.

DPE, together with the library, once a year, analyzes the needs and satisfaction in educational and methodological literature in the specialty, levels and languages of instruction. Taking into account the needs, applications are formed for the purchase and publication of textbooks, teaching aids for the new academic year.

The total area of the DPE premises is 465.6 sq.m., of which study rooms - 110.6 sq.m. The average area per student in classrooms is 1.7 sq. M.

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 residency programme.

The information system of the institute is represented by MIS "Medelement" and "Damumed", which allow residents and students to have access to the relevant patient data, and ensure interaction of various structures of KIED on patient management.

The portal www.eyEinst.kz provides personal information about the educational trajectory of the student.

Working in multidisciplinary teams when choosing tactics for managing the most difficult patients shows an example of the dependence of the result on the correct organization of teamwork. In such situations, the resident performs all the work within the limits of his competence.

Competencies in the management of the learning process are formed among residents according to EP 7R113700 "Ophthalmology, including children's" by involving them in giving lectures before other Health care professionals, including residents, paramedics, population, schoolchildren on healthy lifestyles, vision hygiene and other topics.

Residents of EP 7R113700 "Ophthalmology, including children's" participate in the scientific work of KIED (direct participation in projects, publication of research results, oral and poster reports at scientific conferences), where they apply their scientific knowledge and research methodology in the chosen specialty, and also ensure the integration between scientific research and ophthalmological practice [Participation of residents in research projects](#), writing articles in mono or co-authorship, participation in scientific conferences with an oral or poster presentation is recorded in the portfolio of the resident.

Carrying out research work by residents allows them to consolidate the theoretical knowledge, practical skills and use their creative potential for further solving urgent health problems. The management of research activities is carried out by the entire teaching staff of KIED. The research work of residents is included in the educational process and is carried out after school hours in the form of IWR and IWRUST. During the period of training of residents, constant activity is noted in the form of speeches and publications on ongoing research work, there is an increase in the mastery of specialized practical skills in the framework of the implementation of research work, which generally contributes to the improvement of the qualifications of residents.

Every year, scientific conferences are held at KIED, where students in the residency report the results of their scientific research. The best works are awarded with diplomas and prizes.

Residents take an active part in conducting medical research conducted within the framework of "Glaucoma Week", "Day of the Elderly", "World Diabetes Day", "International Day of Premature Babies", as well as annual events held by KIED to examine children from the Children's Home No. 1 in Almaty, the School for Visually Impaired Children named after N. Ostrovsky, the Nursing Home in Almaty.

Mechanisms for motivating employees and teaching staff who will train residents by specialty 7R113700 "Ophthalmology, including children's" are subsidies for participation in scientific conferences, payment for publications, etc.

KIED, along with the existing agreements on the scientific and clinical direction, plans to develop official relations with the relevant national and international educational organizations in the following areas:

Strengths:

1. Highly specialized medical equipment
2. Highly qualified staff of teaching staff

Conclusions of the EEC on the criteria. Out of 21 standards conform: fully - 20, significantly - 1, partially - 0, do not correspond - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) Develop teaching aids on the topics of the educational programme, including in the state language;
- 2) Place an educational portal on the organization's website with appropriate protection;
- 3) Creation of a test center based on a computer class;
- 4) Purchase and use an anti-plagiarism programme.

Standard 7: PROGRAMME EVALUATION

Within the framework of the general system for monitoring the quality of education, which consists in assessing:

- EP management (the level of teaching staff, organization of the educational process, regular assessment of the level of achievement of the goals of the programme, the demand for graduates);
- EP implementation (curriculum, standard discipline programmes, methodological and information support, infrastructure, educational technologies, research and development);
- EP results (intermediate certification, final certification).

Educational programme for residents by specialty 7R113700 "Ophthalmology, including children's" was monitored at several levels: expert evaluation (external and internal review), feedback from the employer was received on the EP, the EP was approved at a meeting of the Academic Council of KIED.

Evaluation of the EP is carried out at meetings of the DPE and meetings of the Board of KIED, at which work programmes are considered, the CPD is approved, and the report of the DPE and the report of the residents of each year of study are also heard annually. Based on the discussion, the directions for making the necessary adjustments to the EP are identified, if necessary, syllables, the list of references is supplemented, an order for the purchase of literature is made.

Currently, the need for specialists (ophthalmologists) is reflected on the website of the electronic labor exchange enbek.kz. For the 2019-2022 and 2020-2023 academic year, the recruitment of students for residency was carried out according to the programme of a bilateral and tripartite agreement, taking into account the material and technical capabilities of the clinical base of KIED and the number of teaching staff.

The successful development of mutual relations between programme developers and employers is carried out through:

- an increase in the number of disciplines at the request of employers, which are entered into the catalog of elective disciplines;
- regular involvement of employers and practitioners in the development and discussion of educational programmes, including the expected learning outcomes;

The FSA commission includes a representative of practical health care, who can make his proposals on amendments to the EP. The report on the results of the FSA based on the results of certification of residents is heard at the Academic Council of KIED.

One of the important conditions for continuous monitoring and improving the quality of the educational process is its correction based on feedback with the participation of stakeholders. In KIED, a survey of teachers and students is carried out, the Questionnaire includes issues of the quality of the educational process, adherence to schedules and schedules, corruption, etc. The data obtained are analyzed and discussed at meetings of the DPE, SC and meetings of residents with the leadership of KIED.

Over the past 5 years after mastering the educational programme, they successfully passed the final certification at the end of the residency and received a certificate of a specialist 100% of graduates, 100% of graduates of the 2017-2020 residency. arrived at the place of employment, 74% were employed (26% of graduates went on maternity leave). The results of a survey of employers on the quality of training of graduates of KIED for 2020 showed that the assessment of the quality of training of specialists by employers: 83% of respondents rated the quality of training as high, 17% - as average.

The results of the survey of employers, employment of residents, are discussed at meetings of the DPE and the Board of KIED.

Annually, at meetings of the Board of KIED, the report of the DPE and the reports of residents of all years of study are heard. All employees participating in the meeting of the RS can express their opinion on the level of theoretical training and the quality of the residents' possession of practical skills. This may be the basis for planning EP, changing the requirements for applicants to residency.

An important role in evaluating the educational programme is played by monitoring the achievement of the final learning goals by residents; KIED plans to collect feedback data from residency graduates and their employers. The results of the study of feedback from stakeholders will be considered at meetings of the DPE and the Academic Council.

Monitoring and control of the achievement of the final learning outcomes is carried out by the DPE during the final certification. Based on the results of the certification of residents, an action plan is

developed to improve and eliminate the identified problems and shortcomings of the educational programme.

Strengths:

1. Final state certification by independent examiners

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 13, significantly - 2, partially - 0, do not correspond - 0

Standard 7: completed

Recommendations for improvement identified during the external visit: none

Standard 8: GOVERNANCE AND ADMINISTRATION

To ensure the quality of postgraduate training in KIED, a general strategy, main directions, priorities and tasks in the field of improving the quality of education "Academic Policy" have been determined.

The transparency of EP management is carried out through the discussion of educational and methodological documentation for the residency programme at a meeting of the Academic Council of KIED and after receiving a positive conclusion by its approval by the Director general of KIED.

KIED has developed and approved job descriptions for each position of the DPE, provided for by the staffing table. Obligations and powers of KIED in relation to the educational programme in the specialties of residency are regulated by the current legislation of the Republic of Kazakhstan and the internal regulatory documents of KIED.

Direct management of residency programmes and coordination of the activities of residents is carried out by the Department of Postgraduate Education. The main goal of the DPE is to carry out continuous organizational, coordination and administrative work aimed at achieving the mission and goals of the educational residency program "Ophthalmology, including children's". DPE is responsible for the development and approval of the educational programme, the rules for organizing the educational process in residency, recommendations for recruiting residents, monitoring residents, maintaining links with practical Health care and graduates of residency, interaction with other structural units of KIED involved in the implementation and support of residency programmes. Head DPE is directly subordinate to the Director general of KIED.

The OBE budget is formed from several sources: the state order for the training of postgraduate education personnel, advanced training of medical workers, the development of scientific research, the provision of paid educational and other services.

Funding for the residency programme depends on the formation of an annual state order. Every year, the Government of the Republic of Kazakhstan approves the state educational order for the training of specialists with higher and postgraduate education, in accordance with which the funding of the residency programme is determined by type of educational institution. The cost of training in KIED residency is 815 600 tenge and has not changed since 2016.

In KIED, the definition of the main priorities for spending money is approved by the Director general, after agreement with the Deputy for FEA (financial and economic activity). In addition, the implementation of the plan of financial and economic activities based on the results of the financial year, including the educational segment, is submitted for the consideration of the Supervisory Board.

To ensure effective planning for the implementation of the educational programme, the head of the educational programme, after agreement with the Director general and the Deputy for FEA, forms the staffing table, applications for the purchase of goods, equipment, the purchase of educational and methodological literature supporting the implementation of the educational residency programme in the new academic year. The IT service of KIED ensures the uninterrupted functioning of the Internet and WIFI on the territory of the institute, which allows residents to use electronic and library resources.

The teachers are provided with material assistance (according to the trade union system), the scientific activities of the teaching staff are stimulated (payment for articles with a high impact factor, participation in scientific and technical progress), which affects the introduction of innovations into the educational process in residency and, accordingly, the quality of teaching in residency.

An effective method for assessing the quality and effectiveness of educational programmes is the results of employment of graduates and a questionnaire survey of residents and employers (at the place of employment). The wishes of residents and employers were the basis for making changes and developing elective disciplines ("Diabetic retinopathy and other vascular pathology of the organ of vision", "The latest laser technologies in ophthalmology", "Vitreoretinal surgery. Modern methods of treating eye diseases accompanied by neovascularization").

Strengths:

1. Transparency of the management system and decisions made

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 14, significantly - 1, partially - 0, do not correspond - 0

Standard 8: completed

Recommendations for improvement identified during the external visit: none

Standard 9: CONTINUOUS RENEWAL

KIED, in order to continuously improve the postgraduate educational process in accordance with the practice of world educational management, taking into account the needs of practical Health care in the Republic of Kazakhstan, regularly initiates an update of the education process, which is based on feedback from residents and teachers. Based on the analysis of the results of the questionnaire, measures are determined to update the postgraduate educational process, update the structure and content of the EP, taking into account the needs of practical health care.

The compatibility of the assessment with educational goals and methods is carried out through differentiated approaches: the knowledge of residents is assessed using test tasks of various levels of complexity, oral questioning, interviews; skills and abilities are demonstrated by the trainees in the simulation room and at the patient's bedside.

To form and improve the practical skills of students, a Simulation room has been created, where there is equipment that allows working out the main methods of examining a patient with ophthalmopathy. In recent years, the Simulation Room has been modernized. In KIED, there is a WETLAB – a center for practicing the skills of microsurgery and intravitreal administration of medicines.

An example of the process of continuous improvement of approaches to the implementation of educational residency programmes is the active participation of interested parties (primarily, representatives of employers) in the formation of an educational strategy, which is carried out by receiving feedback from representatives of practical health care at the EP, as well as involving them in the examination committee during the FSA. with the aim of assessing the level of students' proficiency in practical skills.

In KIED, Academic Councils are held annually with the invitation of the main freelance ophthalmologists of the Republic of Kazakhstan, at which the problems of the ophthalmological service of the regions, the degree of staffing of practical health care of the Republic of Kazakhstan with specialized specialists, issues of regulating the policy of selecting a contingent of students, taking into account the needs for human resources are discussed.

In KIED, employees are recruited to DPEs in accordance with the Human Resource Management Programme and the Regulations on the Postgraduate Education Department and the requirements for teaching staff (compliance with basic education, the availability of academic degrees, titles and honorary titles, professional experience, a list of scientific papers and inventions, the presence of a doctor's certificate and / or medical category, which are confirmed every 5 years by the relevant accreditation bodies).

The processes of updating the educational programme for residency and improving the practice of its implementation take place taking into account knowledge and skills received by teachers at training events (seminars, master classes, conferences). The effectiveness of teaching is determined not only by a high level of competence in the field of ophthalmology, but also by the possession of pedagogical competencies. DPE teachers are trained for the development of competencies...

Thus, the continuous improvement of the educational process is based on the close connection of KIED with practical health care and includes the constant improvement of the educational programme, the improvement of methods for assessing the level of knowledge (development of new test tasks) and the advanced training of teaching staff in andragogy.

Strengths:

1. Continuous improvement of the material and technical base of training residents.
2. Using the latest technologies for diagnosing and treating patients

Conclusions of the EEC on the criteria. Out of 4 standards conform: completely - 4, significantly - 0, partially - 0, do not correspond - 0

Standard 9: completed

Thus, all 9 accreditation standards have been met, no inconsistencies in the fulfillment of the criteria of each of the basic accreditation standards in the process of analyzing the self-assessment report and conducting the examination as part of the tasks of the external expert evaluation programme were found.

5. Recommendations for improving educational residency in the specialty "Ophthalmology, including children's" LLP "" of Kazakh Order "Badge of Honor" Scientific Institute of Eye Diseases "

Standard 1

1. To involve representatives of students in the development of missions of the educational programme;

Standard 2

2. In the educational programme, reflect competencies by levels of study;
3. Revise and revise the syllabuses, reflecting innovation in them;

Standard 3

4. Detailed checklists for assessing practical skills in the form of steps, develop checklists for SIW and SIWWT and bring them to the attention of all residents;
5. Revise the format of CIS;

Standard 4

6. Provide residents with access to electronic databases of modern professional literature;

Standard 5

7. To provide for the possibility of financing advanced training of teaching staff on pedagogy and teaching methods;
8. Develop and approve a mentoring regulation;
9. To revise the methodology for assessing the activities of the teaching staff (questionnaire);

Standard 6

10. Develop teaching aids on the topics of the educational programme, including on the state language.

7. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous decision to recommend to the Accreditation Council to accredit the residency programme 7R113700 "Ophthalmology, including children's" of the Limited Liability Company «Kazakh Order" Badge Of Honor" "Research Institute Of Eye Diseases" for a period of 5 years.

Chairperson

Zhanteleeva Lyazzat Asanova

Foreign expert

Zakirova Guzel Zakirovna

Academic expert

Zhankalova Zulfiya Meyrkhanovna

Academic expert

Semenova Yulia Mikhailovna

Representative of practical healthcare

Kalibekova Gulnara Zarkynbekovna

Resident Representative

Imadieva Aisholpan

ECAQA Observer

Sarsenbayeva Dariyabanu Bulatovna



Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty
"Ophthalmology, including children's" KIED

Standard	Criteria for evaluation Number of standards = BS * / SU	Assessment			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	MISSION AND END OUTCOMES 17 = 10/7	9/6	1/1	-	-
2.	EDUCATIONAL PROGRAMME 30 = 22/8	20/8	2/0	-	-
3.	ASSESSMENT OF TRAINEES 11 = 7/4	7/4	-	-	-
4.	STUDENTS 30 = 18/12	17/10	1/2	-	-
5.	ACADEMIC STAFF / FACULTY 7 = 5/2	4/2	1/0	-	-
6.	EDUCATIONAL RESOURCES 21 = 10/11	9/11	1/0	-	-
7.	PROGRAMME EVALUATION 15 = 10/5	9/4	1/1	-	-
8.	GOVERNANCE AND ADMINISTRATION 15 = 8/7	8/6	0/1		
9.	CONTINUOUS IMPROVEMENT 4 = 1/3	1/3	-	-	-
	Total: 150 = 91/59	84/54	7/5	-	-
		150			

List of documents studied by EEC members within the framework of accreditation

No	Names of documents	number	Date of approval (if applicable)
1.	Human Resource Management Programme LLP "Kazakh Order" Sign of Honor "IED	1	12.09.2019
2.	Resident portfolio	7	-
3.	List of residents with an indication of participation in conferences	1	05/12/2021
4.	Educational programme	1	09/16/2020
5.	Reference guide	1	28.08.2021
6.	Academic policy	1	09/26/2020
7.	Syllabus	1	28.08.2020
8.	Syllabus	1	28.08.2018
9.	Regulations on the Academic Council	1	01/22/2020
10.	Composition of the Academic Council	1	01/22/2020
11.	SOP on LEC organization (No. 1)	1	02.06.2017
12.	SOP on the LEC agenda (No. 2)	1	02.06.2017
13.	SOP on confidentiality (# 3)	1	02.06.2017
14.	SOPs selected by independent experts / consultants tantov (no. 4)	1	02.06.2017
15.	SOP on the examination of research projects (No. 5)	1	02.06.2017
16.	SOP on the ethical examination of documents on the application of a new diagnostic method, treatment or medical rehabilitation (No. 6)	1	02.06.2017
17.	SOP for the examination of amendments to the protocol (No. 7)	1	02.06.2017
18.	SOP on accelerated examination of research projects (No. 8)	1	02.06.2017
19.	SOP on Survey Observation (No. 9)	1	02.06.2017
20.	SOP for the examination of reports on adverse events (AE) (No. 10)	1	02.06.2017
21.	SOP for the examination of the final report (No. 11)	1	02.06.2017
22.	SOP for Emergency Security Meeting (# 12)	1	02.06.2017
23.	LEC Protocols for 2020	6	different dates
24.	Regulation on LEC	1	05/29/2017
25.	LEC Annual Report	5	for 2016-2021
26.	Confidentiality Agreement and Conflict of Interest Statement	11	-
26.	Strategic development plan of JSC "KIED" for 2019-2021	1	06/14/2019
27.	Order No. 22-n "On approval of the composition of the Academic Council, LEC, heads of scientific groups"	1	05.01. 2021
28.	Application for the needs for goods, works and services. Research and innovation sector.	2	-
29.	WC	3	-
30.	Academic calendar	1	-
31.	Residency trainee class schedule	1	-

32.	Acts of implementation of the results of research work in the educational process for 2018-2021	5	-
33.	The questionnaire "Student satisfaction with learning outcomes"	5	-
34.	Questionnaire "A teacher through the eyes of a student"	1	-
35.	Analysis of survey data	1	-
36.	Inner order rules	1	09/16/2020