

To Accreditation Council
Of the Eurasian Centre for Accreditation
and quality assurance in Higher education
and Health care

May 30, 2021

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL RESIDENTURE
PROGRAMME IN SPECIALTY 7R01110 - "CARDIOLOGY, INCLUDING CHILDREN'S»
OF "ASFENDIYAROV KAZAKH NATIONAL MEDICAL UNIVERSITY" FOR
COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION OF
MEDICAL EDUCATIONAL ORGANIZATIONS OF THE EURASIAN CENTRE FOR
ACCREDITATION AND QUALITY ASSURANCE IN HIGHER EDUCATION AND
HEALTH CARE**

period of external expert evaluation: 26.05.-28.05.2021

Almaty, 2021

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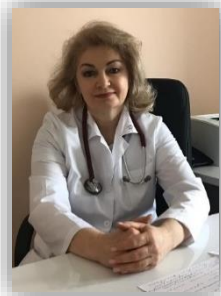
LIST OF SYMBOLS AND ABBREVIATIONS:

GPA	Weighted average assessment level of educational achievements of a student in the chosen specialty
ECTS	European Credit Transfer and Accumulation System
PBL	Problem-based learning
TBL	Team-Oriented Learning
AIS - NJSC "KazNMU"	Automated information system of KazNMU
AC KazNMU	Academic Council of KazNMU
JSC RIC&IM	Joint Stock Company "Research Institute of Cardiology and Internal Medicine"
AMP	Administrative and management personnel
BD (O)	Basic disciplines (training)
GD	General doctor
University	Higher educational institution
SAC	State Attestation Commission
Civil Defense and Emergencies	Civil defense and emergencies
SCES	State compulsory education standard
DAD	Department of Academic Development
DS&HR	Department of Science and Human Resources
DET	Distance educational technologies
DEMW	Department of educational and methodical work
ECAQA	Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state certification
IPE	Institute of Postgraduate Education
IEW	Individual educational work (resident)
KRIOR	Kazakh Research Institute of Oncology and Radiology
CVI	Coronavirus infection
COC	Component of choice
CEP	Committee for educational programmes
QED	Catalog of elective disciplines
CEL	Clinical and experimental laboratory
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
MJ RK	Ministry of Justice of the Republic of Kazakhstan
IAAR	Independent Agency for Accreditation and Rating
NJSC "KazNMU"	Non-profit joint-stock company "Asfendiyarov Kazakh National Medical University"
Research Institute FAM	Research Institute of Fundamental and Applied Medicine named after B. Atchabarov
RWR	Research work of a resident

IQAA	Independent Kazakh Agency for Quality Assurance in Higher Education
SSC	Scientific student circle
STP	Scientific and technical programme
NCIE	National Centre for Independent Examination
SC	Science Centre
SCS	Scientific Centre of Surgery
SCOGP	Scientific Centre for Obstetrics, Gynecology and Perinatology
SCP&PS	Scientific Centre for Pediatrics and Pediatric Surgery
PO	Public organization
EP	Educational programme
DP&CEP	Department of planning and control of the educational process
OSCE	Objective structured clinical examination
IC	Intermediate certification
MG	Major disciplines (training)
PHC	Primary health care
NCDMP	Noncommunicable Disease Management Programme
RSE on REM	Republican state enterprise on the right of economic management
WC	Working curricula
QMS	Quality Management System
SOP	Standard operating procedures
IWR	Independent work of residents
SC	Simulation centre
IWRST	Independent work of a resident under the supervision of a teacher
TC	Typical curriculum
ERWR	Educational and research work of residents
EMA	Educational-methodical association
UC	University clinic
AC	Academic Council
CCU	Centre of collective usage
GCV	Graduate Career Centre
STE	School of teaching excellence

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 19 dated April 26, 2021, an External Expert Commission was formed to conduct institutional accreditation and accreditation of educational programmes for specialties of KazNMU residency during May 26-28, 2021, in the following composition:



Chairperson of the External Expert Commission

MORENKO MARINA ALEKSEEVNA,
Doctor of Medical Sciences, Professor, Head of the Department of Children's Diseases with courses of allergology, immunology, hematology and endocrinology
NJSC "Astana Medical University"

Vice President of the Association of Allergists and Clinical Immunologists of the Republic of Kazakhstan, Member of the Union of Pediatricians of Russia

Foreign expert (online)

NASYROV RUSLAN ABDULLAEVICH,
Doctor of Medical Sciences Professor,
Vice-rector for scientific work,
Head of the Department of Pathological Anatomy with the course of forensic medicine
St. Petersburg State Pediatric Medical University of the Ministry of Health of the Russian Federation, Member of the New York Academy of Sciences



Foreign expert

RYZHKIN SERGEY ALEXANDROVICH
Doctor of Medical Sciences, Deputy Director of the Russian Medical Academy of Continuous Development (Moscow), Associate Professor of the Department of Radiation Diagnostics, Head of the Department of Additional Professional Education of the Kazan State Medical Academy, accredited expert of the Federal Service for Supervision in Education and Science (Rosobrnadzor).



National academic expert

DZHANDAIEV SERIK ZHAKENOVICH,
Doctor of Medical Sciences,
Professor Department of Otorhinolaryngology
NJSC "Astana Medical University"
Academician of the "International Academy of Head and Neck Surgery"





National academic expert
LIGAY ZOYA NIKOLAEVNA,
Doctor of Medical Sciences,
head of the department of general medical
practice with a course of medical care
NJSC "Kazakh-Russian Medical University"



National academic expert
MADYAROV VALENTIN
MANARBEOVICH,
Doctor of Medical Sciences, Head of the
Department of Surgery with a course of
anesthesiology and resuscitation, NJSC
"Kazakh-Russian Medical University"



National academic expert
ZHANALINA BAHYT SEKERBEKOVNA,
Doctor of Medical Sciences, Professor of the
Department of Surgical and Pediatric Dentistry
NJSC "West Kazakhstan Medical University
named after Marat Ospanov"
Excellence in Health care of the Republic of
Kazakhstan



National academic expert
JUMALINA AKMARAL KANASHEVNA,
Doctor of Medical Sciences, Professor, Head of
the Department of Pediatric Diseases with
Neonatology, NJSC "West Kazakhstan State
Medical University named after Marat Ospanov
"



National academic expert
KUDABAEVA KHATIMIA ILYASOVNA,
Candidate of Medical Sciences, Professor
Department of Internal Medicine №1
NJSC "West Kazakhstan Medical University
named after Marat Ospanov "



National academic expert
ABDULLINA VENERA RAVILEVNA,
Candidate of Medical Sciences,
Associate Professor of the Department of
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NJSC "Kazakh-Russian Medical University"



National academic expert

IGIMBAEVA GAUKHAR TLEUBEK KYZY,
Candidate of Medical Sciences, Professor,
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(Turkey-Kazakhstan)



National academic expert

KABILDINA NAILA AMIRBEKOVNA.
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National academic expert

KUSAINOVA FARIDAT AZYMOVNA,
Candidate of Medical Sciences,
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LLP "Institute of Reproductive Medicine",
Almaty



National academic expert

BACHEVA IRINA VIKTOROVNA,
PhD in Medicine,
Associate Professor of the Department of
Internal Medicine Head of the educational
programme of residency in the specialty
"Nephrology, including adult» of NJSC Medical
University of Karaganda



National academic expert

MAUKAEVA SAULE BORANBAEVNA,
candidate of medical sciences, doctor of the
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and Immunology
NJSC "Semey Medical University"



National academic expert

OSPANOVA NARGUL NARIMANOVNA,
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Psychiatry
NJSC "Semey Medical University"



Expert -employers' representative

SERGEEVA ELENA NIKOLAEVNA,
Master in Public Health,
cardiologist of the highest category,
Head of the Department of the City Cardiological
Centre in Almaty.



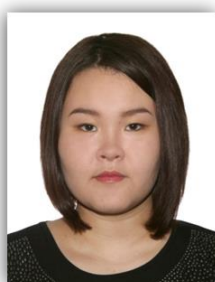
Expert - resident representative

ABBASOVA DIANA,
resident of the first year of study in the specialty
"Radiation diagnostics"
NJSC "Kazakh-Russian Medical University"



Expert -resident representative (online)

ILYASOV ELDAR RASHITOVICH,
resident of the first year of study in the specialty
"Oncology" of the Pavlodar branch of the NJSC
"Semey Medical University".



ECAQA Observer

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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 educational programme of residency in the specialty "7R01110" Cardiology, including children's " of KazNMU for compliance with the Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational

institutions of ECAQA, recommendations EEC to further improve the educational activities of KazNMU in the field of postgraduate education.

2. General part of the final report of the EEC

2.1 Presentation of the NJSC "Asfendiyarov Kazakh National Medical University" (KazNMU) and the educational residency programme in the specialty 7R01110 "Cardiology, including children's "

Since 2018 at KazNMU reorganized into a non-profit joint-stock company (NJSC) in accordance with the decree of the Government of the Republic of Kazakhstan (dated April 5, 2018 No. 166) and received the status of a research university (decree of the Ministry of Health of the Republic of Kazakhstan dated 11/12/2018). KazNMU conducts training of students on the basis of 106 health care organizations, including 5 research centres affiliated with the university. There are also 4 university clinics: Aksai clinic, internal medicine clinic of KazNMU, professorial clinic of KazNMU, dental clinic.

The university successfully implements dual training with involvement in the development and implementation of educational programmes of employers and field training of interns and residents in the regions of the Republic of Kazakhstan, branches of KazNMU in Taldykorgan, Taraz and Kyzylorda and other regions of Kazakhstan.

The first admission to residency was held in 2008. The first issue of residents was carried out in 2010.

Currently, in accordance with the state license No. KZ74LAA00017008 of 09/19/2019, training is carried out in Kazakh, Russian and English at undergraduate and postgraduate levels of training in 44 specialties of residency.

In KazNMU from 2016 to 2020, 5422 people received postgraduate education, including 719 residents.

Employment of residency graduates over the past 5 years is 100%.

The staff of the University is 2099 people. Of these, the teaching staff - 1283, incl. academicians - 9, doctors of sciences - 151, candidates of sciences - 401, doctors of PhD - 20. The teaching staff of KazNMU has a high scientific and pedagogical potential. The holders of the grant of the Ministry of Education and Science of the Republic of Kazakhstan "The best teacher of the Republic of Kazakhstan" are 17 university teachers.

In the international institutional rating ARES among Kazakhstani universities in 2020, KazNMU took the fourth place in the overall ranking of universities, and a leading position among medical universities of the republic.

According to the results of the rating assessment of medical universities, research institutes, scientific centres of the Republic of Kazakhstan, conducted by the Republican Centre for Health Development, according to indicators of scientific and innovative activities for 2019 and an assessment of the dynamics of rating indicators over the past three years, KazNMU took 1st place. In November 2019, KazNMU became the owner of the independent award "Leader in publication activity in the Web of Science Core Collection over the past 5 years among medical universities of the Republic of Kazakhstan" according to the international information and analytical platform Web of Science.

According to a social online survey, according to the information of the President of the Alliance of Students of Kazakhstan Ilyas Tustikbaev of NJSC Asfendiyarov KazNMU entered the TOP 10 best universities in Kazakhstan.

According to the results of the National rating of the best universities in Kazakhstan -2019, conducted by the Independent Agency for Quality Assurance in Higher Education (IQAA), KazNMU took 1st place in the institutional rating in the category of medical universities... In the institutional rating of the IAAR in 2019, KazNMU took 2nd place in terms of demand.

In the published Webometrics Ranking of World Universities, which evaluates more than 30 thousand educational institutions around the world, KazNMU entered the four best sites in the country and in the 11 best sites in the world.

Currently, 40 educational programmes at 4 levels of education are accredited by the IAAR. Since 2018, KazNMU has a certificate of institutional accreditation for 5 years.

KazNMU is one of the founders of the Academic Demanding League, which aims to improve the quality of education by implementing and promoting the principles of academic honesty.

KazNMU was visited by visiting professors from Turkey, Russia, Lithuania, Warsaw, Georgia, Ukraine, Belarus. Academic mobility of professors and teachers –16. Outgoing external academic mobility **residents - 22.**

The main educational, scientific and clinical structural unit of KazNMU, which coordinates training in residency is the dean's office of internship and residency, renamed from August 3, 2020 to the faculty of postgraduate education.

Total number of students in residencyv 2019-2020 years is 11 residents, including in the specialty 7R01110 "Cardiology, including children" _11__ people. In 2020, the release of residents is -4. In 2020, 11 residents are studying. 11 residents are graduated in the specialty 7R01110 "Cardiology, including children's".

The total number of teachers involved in the educational process of residency in the above specialty is _5__ people, and them, Doctor of Medical Sciences - 3.

2.2 Information on previous accreditation

Accreditation of the educational programme of residency in the specialty "7R01110" Cardiology, including children "by KazNMU was carried out in 2016 by the Accreditation Body of the IAAR.

2.3 Analysis of the self-assessment report of the educational programme of residency in the specialty 7R01110 "Cardiology, including children's"

Preparation for specialized accreditation of KazNMU was carried out on the basis of order No. 91 dated February 26, 2021 "On approval of the composition of the working group for preparation for self-assessment of educational programmes of KazNMU residency"

Self-assessment report educational programme presented in 136 pages of main text, as well as electronic versions.

The report is characterized by answers to the criteria for each of the 9 accreditation standards, structuredness taking into account the recommendations of the ECAQA Self-Assessment Guidelines for educational programmes, as well as internal consistency of information.

The report is accompanied by an accompanying a letter signed by the rector T.S.Nurgozhin, confirming the accuracy of the information and data contained in the report.

The report presents those responsible for the self-assessment of educational programmes - head. Department of Cardiology Doctor of Medical Sciences Professor Berkimbaev M.F, Doctor of Medical Sciences prof. Dzhususbekova G.A., MD prof. Tundybaeva M.K.

The working group on the preparation of the self-assessment report has done a certain amount of work: the content of the accredited educational programme, the conditions for its implementation, staffing, educational resources, development dynamics since the date of the previous accreditation in 2016 have been collected, the necessary information has been collected in accordance with the Accreditation Standards for Postgraduate Education Programmes (specialties of residency) of medical educational institutions of ECAQA (hereinafter referred to as accreditation standards); analysis, updating of methodological and educational materials, relevant documents on residency (regulations, rules), their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards.

All standards show actual practice KazNMU for training residents in the specialty 7R01110 "Cardiology, including children's". Academic advisory work at the Department of Cardiology includes consulting residents during the entire training and before the intermediate and final certification. Before the start of the intermediate certification, the department develops and approves the schedule of consultations on disciplines. Experienced teachers, associate professors, professors are involved in the consultation. In addition, before the start of each semester, the group teacher

informs his residents about the work schedule, the time when residents can seek advice on this discipline. Information about the teachers is posted on the portal of the AIS KazNMU. The self-assessment report contains reasoned data of the educational programme, assessment of residents, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the number of residents, teachers, administration, information about the selection and admission, the results of training, the results of the assessment of knowledge and skills, the material and technical base of the university and clinical bases, contractual obligations with partners (medical organizations, practice bases, universities), financial information, plans for development and improvement. The faculty of the departments consists of highly qualified staff, experienced clinicians with scientific achievements, medical qualifications, who are experts in the field of practical health care and medical education.

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 the specialty.

Thus, the self-assessment report of the accredited educational residency programme of KazNMU contains objective, detailed, structured information on all types of activities in accordance with the ECAQA accreditation standards. Involvement in the evaluation of educational programmes of residents, teachers, employers. External and internal assessment of the educational programme is carried out by leading specialists of the Republic of Kazakhstan in the field of cardiology

Final certification of graduates is held with the participation of independent examiners

3. Description of external expert evaluation

External expert work on the evaluation of the educational programme residency in the specialty 7R01110 "Cardiology, including children's" was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director General of "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 dated 17.02. 2017) and according to the programme and schedule approved on May 11, 2021 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the rector prof. Nurgozhin T.S.

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 and teachers, observation, studying the website, interviewing employees of various structural units, questioning teachers and residents, reviewing resources with a visit to clinical bases in the context of the implementation of accreditation standards, attending practical (seminar) classes of residents, including online in a pandemic, studying regulatory and educational documents both before a visit to KazNMU and during a visit.

On the part of the university staff, the presence of all persons indicated in the visit programme and according to the lists of interview sites is 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.	T.Nurgozhin	MD, prof. Rector of NJSC KAZNMU
2.	Bayldinova K. Zh	Vice-Rector for Academic Affairs
3.	Baymakhanov A.N.	Dean of the Faculty of Postgraduate Education
4.	Tusupbekov S.K.	Director of the Department of Academic Affairs
5.	Kulzhakhanov S.S	Head of the Alumni Career Centre

6.	Nagasbekov B.S	Head of Human Resources Development Department
7.	Sapakova M.M.	Head of HR Department
8.	Tulepbaeva G.S.	Supervisor Department of Clinical Work
9.	Nurmakhanova Zh.M.	Chairperson of the committees of educational programmes
10.	Ensegenova Z.Zh	Chairperson of the committees of educational programmes
11.	Akanova Aidana residents 2 years	Cardiology, including pediatric
12.	Zhaldasov T.E. residents for 2 years	Cardiology, including pediatric
13.	Nasyrova R.R. residents 2 years	Cardiology, including pediatric

The sequence of the visit during May 26-28, 2021 is detailed in the Visit Programme, which is located in the documentation of the accreditation centre and in the Attachment to this report on the discipline "Cardiology, including pediatric"

Vice-rector for academic activities Bayldinova K. Zh. presented EEC and provided information on the purpose of the visit. This interview made it possible to determine to obtain evidence that the mission of the residency programme and the mission of the university are fully consistent with each other. The vice-rector announced a strategy for the development of postgraduate education, including residency programmes, which indicates a clear vision of the university and an interest in improving residency programmes, taking into account the needs of practical health care.

Meeting with the Dean of the Faculty of Postgraduate Education Baimakhanov A.N. and Director of the Department for Academic Work Tusupbekova S.K. allowed experts to find out how the Internal quality assurance policy in postgraduate education in the context of ESG. To search for evidence of compliance with standard 4, experts asked questions about the current status of a resident in accordance with the Health Code of the Republic of Kazakhstan. The following tasks of the dean's office were also analyzed - the formation of state orders for specialties, the admission of residents, the provision of resources, the assessment of educational programmes of residency. It was found that the dean's office closely cooperates with the departments teaching residents. The resources of the residency programme are provided by cooperation with such foreign partners. Within the framework of the Erasmus + programme in 2015 agreements were signed with European universities - Finland, Lithuania, Spain, Estonia. In 2020, KazNMU won 4 grants for projects: AccelEd, HARMONE, LMQS, FOR21, aimed at promoting the modernization and sustainable development of the education and training system.

On April 1, 2019, a Memorandum and Agreement on double-degree education in the specialty "Public Health" was signed between the University of Albany of the State of New York and KazNMU

When interviewing the head of the Graduate Career Center Kulzhakhanov S.S. experts assessed approaches to implementation of monitoring the employment of residents. In general, the employment rate is very high and amounts to 100%; monitoring has been carried out for several years. During the check, the results of the questionnaire survey of graduates were studied, where the procedures for improving the educational activities of the university are reflected, strengths and areas for improvement are identified to prepare residents. The processes of updating the EP on residency and improving the practice of its implementation take place taking into account the knowledge and skills acquired by the teachers of the departments at training events. Updating facilities at clinical sites and other educational resources are adapting to the changing needs of postgraduate medical education.

Interview with the head of the human development department **resources** Nagasbekova B.S. and the head of the personnel management department Sapakova M.M. information received on providing the staff of the department of residency, compliance with the qualification requirements for teaching staff. The policy of recruiting mentors, the system of motivation of teaching staff and mentors used in the university and its results have been analyzed.

Supervisor Department of Clinical Work Tulepbaeva G.S. reported to the experts on provision of resources for clinical practice and work of residents, on cooperation with clinical bases. Gulzhan Sovetovna gave a description of mentoring in residency, representation of residents in consultative and advisory bodies (CSR). On May 26, 2021, an observer from ECAQA conducted an online survey of residents of the Asfendiyarov Kazakh National Medical University (KazNMU) as part of the accreditation of educational programmes for residency specialties. The survey included 24 questions, allowing to draw conclusions about the respondents' attitude to the organization of the educational process and identify the existing problems.

Residents survey results:

The total number of responding residents - 200... Of these, 46.5% are residents of the 1st year of study, 33% are residents of the 2nd year of study, 15.5% are residents of the 3rd year of study and 5% are graduates of the KazNMU residency programme.

According to the results of the survey, 83% of respondents fully agree that they would recommend studying in this educational organization to their acquaintances, friends, relatives, partially agree - 15.5%, and completely disagree with this statement 1.5% (3 people). Fully agree with the statement that programme managers and teachers are aware of the problems of residents related to training, 83.5% of residents, 14% partially agree, 1% strongly disagree (2 people), 1.5% doubt the answer (3 people).

When interviewing the chairperson of the committees of educational programmes Zh.M. Nurmakhanova and Ensegenova Z.Zh.

of issues related to training, resources and training methods. In total, 55 residents were present at the interview, of all specialties, of which according to the program **7R01110 "Cardiology, including children's"** there were 11 Interviews with residents studying on an accredited educational programme took place in an online format, Experts asked questions about satisfaction with training at KazNMU, 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 of this, availability of international databases of professional literature by the resource. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that KazNMU has good educational resources, image and international connections, at the same time, residents would like more independence in managing patients and holding international events.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, opportunities to participate in research and development, funding, demonstrated competence in answering questions from foreign experts.

Interview with the head of the library N.A. Modovov allowed us to estimate provision of the residency programme with educational, methodological and scientific literature, including electronic forms. So, according to the accredited program, the book fund includes 1,488,771 books, of which 454204 are in the state language, 900052 in Russian, and 134,515 books in English. Total textbooks - 892398, scientific literature - 330863, fiction - 36134, periodicals - 220323, electronic publications - 9053 in three languages.

The library provides remote access via the Internet to the fund of its electronic catalog, to world electronic resources, catalogs of leading foreign centres, universities, and publishing houses. The library organizes webinars and lectures on an ongoing basis.

Interview with the manager of SRIFM Saliev Timur Muydinovich and deputy Balmukhanova Aigul Vladimirovna allowed the experts to learn about the scientific directions of the university, the system of motivation and participation in R&D of teachers of the departments of residency and residents, about the organization of R&D by residents on practice bases, the possibility of publication of research results of residents and teachers in journals, including KAZMNU Bulletin. In the published Webometrics Ranking of World Universities, which evaluates more than 30 thousand educational

institutions around the world, KazNMU entered the four best sites in the country and in the 11 best sites in the world.

One of the important tools for accreditation expertise is the conduct and **interviews with employers - representatives of practical health care**, which are not affiliated with KazNMU. A total of 7 people were interviewed. During the interview, distance will establish and an interview with the employer Surashev Nursan revealed that employers are actively involved in the OP process, in the work of the mixed bodies of the university.

For all the educational programmes of residency of KazNMU declared for accreditation, it was conducted online and included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of KazNMU, satisfaction with basic knowledge and skills of residents, participation in teaching 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.

The second day of the visit is May 27, 2021.

In order to assess the resources that ensure the effective implementation of the educational programme, the expert visited the following clinical bases: Professorial Clinic, Department of Cardiology, where the departments of cardiology, department, Clinic "Sema" are based, where a meeting with resident cardiologists and clinical mentors took place.

A review of resources showed that the university's clinical base for the implementation of an accredited educational programme, available for review at the time of an external visit, meets the goals and objectives, a sufficient number of thematic patients, modern equipment and demonstrates availability to students, and employees who simultaneously perform the roles of teachers and curators (mentors), provide quality teaching in an ethical and deontological manner. Before the start of 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 training.

The experts examined the documentation on educational programme "**Cardiology, including children's**", which confirmed the compliance with accreditation standards, including documentation of faculty members, resident mentors and at the request of EEC members.

The experts studied the documents of residents (portfolio, results of assessment of residents-checklists, results of a questionnaire survey of residents).

The expert visit included a visit **simulation center of KazNMU**, located on Shevchenko street and equipped with 500 units. modern equipment. The area of the centre is over 2.7 thousand square meters. To implement the residency programme in the specialty "**Cardiology, including children's** ", the simulation centre has a large area where residents can develop and develop clinical skills. In a conversation with the head of the simulation centre, Dr. med. Talkimbayeva Nayley Anuarovna found out that the residents' classes are held according to the schedule and the topics are integrated into the working curricula, syllables.

An analysis of the work of the residency 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 **Dean's office of postgraduate education** and trainers are more involved in resident hands-on training and mentoring. In order to verify the data of Standard 5, external experts obtained information about personnel policy and approaches to the development of pedagogical competence of teachers, motivation for working with residents, and mentoring. Experts found that teachers initiate research topics for residents, stimulate the need for additional training and independent work with literature, medical documentation

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 the graduates of the residency on the zoom platform.

In order to assess compliance with Standard 6, the experts were shown a distance learning platform and showed how it is used in training residents. For example, AIS-KazNMU, digital services.

Further, a meeting of the EEC members was held on the results of the external assessment, and the experts came to the conclusion that during the second day of the visit it was possible to find evidence of compliance with standards 2,3,6,7.

The third day of the visit - May 28, 2021

An online meeting was held with the head of the youth policy department Askarov Elnur and questions were asked about the participation of residents of the accredited programme in the volunteer movement, helping patients with COVID-19, image work to improve work with residents.

Further, a final discussion of the results of the external assessment, study of documents, results of interviews, questionnaires was held. Generalizations of the results of the external assessment are made. The members of the EEC began to design the final report of the EEC. The expert individually completed the Quality profile and criteria for external evaluation of the residency educational programme in the specialty "Cardiology, including children" for compliance with the ECAQA Accreditation Standards."

There were no comments from the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Morenko M.A. a final open vote was held on recommendations to improve the educational residency programme "Cardiology, including children" and a final vote on recommendations for the ECAQA Accreditation Council - to accredit this programme for a period of 5 years. 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.

Results of the survey.

The ECAQA observer conducted an online survey of residents and teachers on 26 May 2021.

Residents survey results:

According to the survey results, 86.5% of respondents believe that programme managers and teachers constantly involve students in the work of advisory bodies (methodological council, academic council, committees of educational programmes), 4% answered that no, they do not involve, while 3.5 % do not know about it, 3% doubt the answer, and 3% expressed the opinion that they are sometimes involved in this work.

78% of residents are fully satisfied with the conditions and equipment of classrooms, classrooms of this educational organization, partially - 14.5%, completely dissatisfied - 3.5%, partially dissatisfied - 3%.

81.5% of residents answered that they personally have access to equipment (educational and real) in order to master practical skills in their specialty, partially agree - 7%, 6.5% - partially disagree, while 2.5 % doubt the answer and the same number of respondents completely disagree with this statement.

50% of residents believe that an interview with the university management is the most important tool for external expert evaluation, 46.5% chose the option "interview with teachers", 39.5% consider interviews with residents as such, 38% answered that interviews with mentors of residents, 29% - interviews with university graduates, 28.5% - an overview of the resource base for training residents, 25.5% - attending practical classes and seminars.

Results of the survey of teachers of residency programmes:

84.38% are completely satisfied with the organization of the educational process, partially - 15.63%. According to the survey, 84.38% of teachers completely agree that ethics and subordination are observed in KazNMU, the remaining 15.63% believe that it is partially. 75% of respondents are completely satisfied with the organization of work and workplace, partially - 23.44%, and 1.56% (1

person) are not completely satisfied. The organization has an opportunity for career growth and the development of competence for teachers: 75% fully agree, 25% partially.

70.31% of the respondents fully agree that this survey is useful for developing recommendations for improving the key areas of activity of this organization, 15.63% partially agree with this, 12.5% found it difficult to answer. Of all respondents, 67.19% believe that accreditation of educational programmes is an important and effective mechanism for ensuring the quality of postgraduate education, 28.13% did not understand what accreditation is, 23.44% expressed the opinion that it is, but in combination with other mechanisms (certification, audits, independent assessment of students' knowledge).

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

Conclusion on the basis of the external evaluation:

Members of the EEC have carefully studied and evaluated the main indicators of the accredited educational programme. The information obtained by the expert during the study of the self-assessment report, during the preparation of a written review with recommendations for improvement, during the implementation of the activities of the visit programme was analyzed at KazNMU from 26 to 28 May 2021. All the information received was compared with the data of the self-assessment report, the information was validated for each criterion of the accreditation standards and the indicators of the Attachment to the self-assessment report were verified, which made it possible to ensure the reliability of the provided university information and supporting documents for compliance with ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme NCIE described his real educational practice in postgraduate education. Before visiting the organization by examining the attachments to the report provided by the postgraduate education department and access to googledisk

<https://drive.google.com/drive/folders/1FjbOSq-JcHvquVn42DkTdJ5pVCFLmbb?usp=sharing>,

experts reviewed more than 21 documents, as well as during an external expert assessment by members of the EEC studied the main documents (mission, strategic plan until 2022, teaching materials of disciplines, syllabuses, control and measuring instruments, checklists, portfolio of residents, individual plans of residents for the 2019-2020 academic year, publications of teachers, rules for admission to residency, personnel policy, internal programme quality assurance systems, 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), resources on residency on the website <https://kaznmu.kz/>, which made it possible to identify the compliance of the educational organization's activities with the basic accreditation standards for the discipline "Cardiology, including children's".

During the external examination, it was found that the Rules for the training of medical personnel in residency were observed (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 (clause 14) 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 syllabuses.

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. ҚР 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 research programme.

In accordance with Article 222 of the Residency of Clause 4 of the Code of the Republic of Kazakhstan on Public Health and the Health care System No. 360-VI ZRK dated July 7, 2020, external experts studied the activities and conducted conversations with mentors of residents, and it was established that each resident was provided with clinical mentors.

The experts took into account the fact that the accredited educational programme in the discipline "Cardiology" according to the current state educational standard is being implemented for 3 academic years, therefore, at this time there is no graduation of students, nevertheless, the entire educational, methodological, personnel and resource base has been assessed for compliance 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 a clinical mentor.

Recommendations for improving activities in the implementation of the residency educational programme in the specialty "Cardiology" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert assessment, were presented at a meeting with the management on May 28, 2021.

The programme of the 3-day visit (May 26-28, 2021) of the external expert assessment of the EEC has been completed in full. On the part of the university staff, 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 the employees of KazNMU responsible for the postgraduate education, the 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 in the specialty "Cardiology, including children's" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES.

Determined that KAZNMU defined its mission, which also includes an educational component, namely: "within society, improving and preserving the health of the population of Kazakhstan, through the application of advanced traditions in surgery, science and education." The mission was drawn up in accordance with the current management system of the organization and the policy in the field of ensuring the quality of education, and was also reflected in Strategic plan for 2019-2023, approved by the minutes of the meeting of the Board of Directors No. 3 dated May 29, 2019. The mission has been repeatedly revised in connection with the update of the plan and new programme documents of the Republic of Kazakhstan in the field of postgraduate education, health care and science <https://nnch.kz/strategicheskie-i-programmnye-dokumenty/strategicheskij-plan-ao-ntsh-im-an-syzganova#>, which indicates that the NCIE constantly monitors all educational processes and new regulatory legal acts...

There is no separate mission of the programme, but the NCIE has defined a strategic goal for the implementation of the educational residency programme "Cardiology, incl. children's ": which will include in the in-depth training of a cardiologist who is able to provide qualified and specialized

medical care to a patient with pathology of the cardiovascular system, the provision of emergency care to cardiac patients at the PHC level from the standpoint of evidence-based medicine.

The administration, headed by the rector of the university, strictly follows the requirements of the State Educational Standard of the Republic of Kazakhstan and the provisions of the TUP when developing an educational programme, therefore, it clearly formulates the competencies and skills that a resident cardiologist will receive as a result of training. At the same time, the University has introduced elements of institutional autonomy, i.e. the centre independently develops and implements residency programmes, compiles syllables, IEP. WC.

For the successful implementation of training, work is being carried out to inform residents about the structure and expected results of training. Residency studies are focused on practice, so clinical work is 75%, theoretical training is 10%, independent work is 15%.

Currently, 18 residents are studying in cardiology residency in the specialty "Cardiology, including pediatric", but taking into account the coronavirus infection pandemic, the number of bases has decreased to four: NCIE, Central City Hospital, City Clinical Hospital No. 7, State Centre for Pediatric Chemistry. In the same time, where residents practice have ISO and JCI (Joint Commission International) certificates, which itself implies a patient-oriented work style. Residents participate in the process of evaluating the educational programme by expressing their opinions and wishes at the end of the course or mastering a specific discipline when questioning. Residents can send their suggestions and comments on the organization of the educational process directly to the postgraduate education department.

Experts have obtained evidence that KAZNMU cooperates with foreign research centres and university clinics, including organizations from Japan, South Korea, the Netherlands, Turkey, Great Britain, the Russian Federation, and the Republic of Belarus.

KazNMU is a member of the following international associations:

AMEE 2019- The Association for Medical Education in Europe (AMEE) is a worldwide organization with membership of 90 countries on five continents. It is composed of teachers, educators, researchers, administrators, curriculum developers, deans, evaluators, students and trainees in medicine and health.

Association Siberian Open University (free of charge) - The Association is the first consortium of universities in Siberia, which aims to create a single scientific and educational space based on modern telecommunications and distance learning technologies, combining the intellectual resources of universities and scientific institutions of the region.

UNAI (gratuitously) - The UN Academic Impact (UNAI) is a global initiative of the UN Secretary General, Mr. Ban Ki-moon, which calls on all universities in the world to actively cooperate with the UN in realizing the goals and mandate of the organization through education and research, creates an intellectual culture, social responsibility through the academic environment.

The University has an approved Regulation on Medical Ethics and Deontology, an Ethical Commission has been created, working on the basis of the Regulation and the Code of Academic Integrity of the Student (Order No. 191 of August 27, 2019), a detailed description of the types of violations of academic practice is given, responsibility for its violation is determined.

Thus, during a visit to KAZNMU, 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. KazNMU has procedures for the development and adoption of legal acts and their management.
2. The medical organization contributes to the formation of professionalism among residents through the implementation of academic autonomy.

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely.
All OP standards comply with and are described in full.

Standard 2: EDUCATIONAL PROGRAMME

In order to improve the quality of educational activities, the NCIE has created an internal quality assurance system based on international standards and guidelines to ensure the quality of higher and postgraduate education in the European Higher Education Area (ESG). Every year, at the beginning of the academic year, each resident and teacher sign the "Code of honor of the teacher", "Code of honor of the resident" (<https://nnch.kz>).

The structure and content of the working curricula correspond to the State Educational Standard RK specialty "Cardiology, incl. children's ". The discipline programmes are developed at the proper scientific and methodological level. The sequence of studying disciplines is built using a system of pre- and post-requisites. In the specialty "Cardiology, including children's" there are modules in Basic disciplines, modules for the components of choice have also been approved for the compulsory component of the major disciplines.

The ability for constant professional growth of a resident is reflected in the "Portfolio", which is formed from the moment of admission to the residency by the students personally. Persons who have completed the EP residency training. Training of residents is carried out at clinical sites with personal participation in the treatment and diagnostic process, both in classroom time and during independent work. All the rules are reflected in Equipping clinical bases allows you to effectively implement active teaching methods: seminars, webinars, conferences, case studies, problem-oriented training (PBL); Case-Based Learning (CBL), Team-Based Learning (TBL); training based on simulation technologies, analysis of clinical cases, maintenance of medical records, examination of the quality of medical care, case management,

The resident training programme provides for the implementation of various forms of educational and research work, while some residents are involved in the implementation of scientific and technical projects carried out by teachers.

The Academic Policy for the 2020-2021 academic year, approved by the Board by the Protocol of 01/05/2021, stipulates the appointment of mentors. Mentors in residency are appointed annually in September by order. No more than 3 residents are assigned to each mentor.

Thus, during a visit to KazNMU, 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 (guide, Code, Portfolio structure, EMCD, syllables). 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.

The educational process at the university is organized in the form of modular training, a model of the competence of residents has been developed based on the established learning outcomes of the residents. The sequence of passing modules / disciplines was observed, taking into account pre- and post-requisites... The structure and content of the EP in the specialty "Cardiology, including children's" comply with the requirements of the State Educational Standard of the Republic of Kazakhstan 2017, 2020, approved by order of the Ministry of Health of the Republic of Kazakhstan No. 647. The content, volume and sequence of EP disciplines strictly correspond to the State Educational Standard of Education.

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 orientation and safety of the learning environment;
4. Using innovative teaching methods to build clinical skills, including a simulation room and WETLAB

WETLAB

Conclusions of the EEC on the criteria. Out of 31 standards conform: fully - 31.

Standard 2: completed

Recommendations for improvement identified during the external visit:

- 1) Strengthen training methods for residents.
- 2) Expand the preparation of joint educational programmes with educational programmes of leading foreign and Kazakh universities.

Standard 3: ASSESSMENT OF STUDENTS

Methods for assessing residents of KazNMU are available for examination by external independent experts. The SAC is held by the NCNE, where representatives of the NCNE are present at both stages. During the ISA of residents, leading specialists from practical health care are involved as chairperson and members of the SAC. The procedure for filing an appeal is prescribed.

The results of educational achievements of students are entered into an electronic educational journal through the office-registrar system and

Strengths:

1. The use of the Sirius electronic system and the office of the registrar contributes to digitalization, transparency of methods for assessing residents.
2. Portfolio assessment allows you to assess the development of the resident's competencies: personal interest, professional competence, communicative, personal qualities, scientific interest.
3. The quality of the control and measuring instruments is subject to a multi-stage check.
4. The use of the Sirius electronic system and the registrar office contributes to digitalization, transparency of methods for assessing residents, and avoids unnecessary paperwork.

Conclusions of the EEC on the criteria. Out of 11 standards conform: completely 11.

Standard 3: completed

Recommendations for improvement identified during the external visit

- 1) Widespread involvement of residents in scientific activities.
- 2) Improvement of the instrumentation system

Standard 4: STUDENTS

Ubiquitous communication between the departments of the University and health authorities is maintained. Employees of the departments take part in collegiums, conferences, meetings, meetings of specialized commissions of the Ministry of Health, RSE at the RHV "Republican Centre for Health Development", conference calls with regional Health Departments, etc .; participate in conducting "Open Doors Days" at clinical bases, provide medical advice, curatorial (for regions) and methodological assistance. The University has developed a programme of social support for residents, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, source: university funds (budgetary and non-budgetary), funds of the workers' trade union,

Strengths:

1. The University has developed a programme of social support for residents, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, source: university funds (budgetary and non-budgetary), funds of the workers' union, funds of the student union and other sources (from the speech of the chairperson of the trade union of KazNMU Altynbekov S.A., 2019).

Conclusions of the EEC on the criteria. Out of 30 standards conform: totally 30.

Standard 4: completed

Recommendations for improvement identified during the external visit:

1) Strengthen the programme of social support for residents, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, source: university funds (budgetary and extra-budgetary), funds of the workers' union, funds of the student union and other sources.

Standard 5: ACADEMIC STAFF / FCAULTY

The personnel policy of KazNMU is guided by the following normative legal acts: "Personnel policy of KazNMU" (order No. 7 of October 14, 2019); "Rules for the assessment of scientific and pedagogical personnel of KazNMU" (order No. 285 of 23.10.2019); "Qualification requirements for the positions of the teaching staff of KazNMU" (order of the Rector No. 281 of June 25, 2019). In addition, the teaching staff of the department provides scientific advisory and medical work on a clinical basis, in accordance with the approved Regulations "on the treatment load of the teaching staff of the departments of clinical disciplines" and are also engaged in research work.

The recruitment of teachers for the implementation of the EP is carried out through a competition for filling vacant positions, the procedure for which is determined in the "Rules for the competitive filling of vacant positions of the teaching staff and scientific workers of the" of NJSC Asfendiyarov Kazakh National Medical University" (Protocol No. 7 Decisions of the Council directors dated 15.07.2020). When hiring to fill a teaching position, the compliance of candidates with the qualification requirements must be taken into account.

The main task is the creation and development of our own scientific and innovative potential, it is also practiced to select employees with already formed motivation that meets the requirements for jobs, in accordance with the normative indicators established by the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III

Strengths:

1. The recruitment of teachers for the implementation of the EP is carried out through a competition for filling vacant positions, the procedure for which is determined in the "Rules for the competitive filling of vacant positions of the teaching staff and scientific workers of the NJSC" Asfendiyarov Kazakh National Medical University "(Protocol No. 7 Decisions of the Council directors dated 15.07.2020). When hiring to fill a teaching position, the compliance of candidates with the qualification requirements must be taken into account.

2. The main task is the creation and development of our own scientific and innovative potential, it is also practiced to select employees with already formed motivation that meets the requirements for jobs, in accordance with the normative indicators established by the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III

3. The recruitment of teachers for the implementation of the EP is carried out through a competition for filling vacant positions, the procedure for which is determined in the "Rules for the competitive filling of vacant positions of the teaching staff and scientific workers of the NJSC" Asfendiyarov Kazakh National Medical University" (Protocol No. 7 Decisions of the Council directors dated 15.07.2020). When hiring to fill a teaching position, the compliance of candidates with the qualification requirements must be taken into account.

4. The main task is the creation and development of our own scientific and innovative potential, it is also practiced to select employees with already formed motivation that meets the requirements for jobs, in accordance with the normative indicators established by the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III

Conclusions of the EEC on the criteria. Out of 7 standards conform: completely - 7.

Recommendations for improvement identified during the external visit:

Areas for improvement are:

1) Strengthen motivation to increase the degree of degree and categorization of teaching staff.

Standard 6: EDUCATIONAL RESOURCES

The University has a developed material and technical base for the implementation of vocational training of residents in the specialty 7R01110 - "Cardiology, including children's". The material and technical base of the university includes: lecture halls, study rooms, educational and research laboratories, a library, information technology facilities, premises for the cultural and social sphere, university clinics, clinical bases - leading medical clinics in Almaty.

The University conducts an internal audit of the QMS on an ongoing basis, a commission is working to check the activities of the departments, the results of which are discussed at the Academic Council of the University. An external assessment of the material and technical base for clinical training is carried out by members of the commissions for state certification, for final state certification, for post-license control of the Ministry of Education and Science of the Republic of Kazakhstan, commissions of the Ministry of Health of the Republic of Kazakhstan.

The construction of a unified information space of the university is implemented on the basis of modern information and telecommunication technologies and is provided by two most important components: the technological base of the park of workstations united by a single telecommunication network of the university, and the corresponding electronic educational resources created both within the university and the Internet.

Strengths:

1. To train residents, there is a sufficient material and technical base (educational buildings, ambulance teams, clinics, a scientific library with a book fund and electronic reading rooms, access to international electronic databases of literature, computer classes, the Centre for Practical Skills, AIS "Sirius").
2. For the training of residents, there are qualified personnel - the teaching staff of the department (with an academic degree, medical category).
3. There are clinical bases with the necessary premises and classrooms for the preparation of residents.

Conclusions of the EEC on the criteria. Out of 21 standards conform: fully
Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) Increasing the share of teaching staff with a scientific degree.
- 2) Increasing the categorization of teaching staff.
- 3) Improvement of the material and technical base and educational resources at the clinical bases of the department

Standard 7: PROGRAMME EVALUATION

Monitoring and evaluation of EP is carried out at all levels, a multi-level approach is used, including profiling / graduating and related departments, the specialized Committee for educational programmes of internship and residency, DAR, Academic Committee, Senate, student government, Centre for admission and vocational guidance of students (general monitoring of quality educational programmes through a survey of stakeholders (employers, professional associations and students).

Created by a team of authors EP in the specialty 7R01110 - "Cardiology, including children's". was reviewed and approved at a meeting of the department (minutes of the meeting of the department No. 8 dated 02.27.2020) and approved at a meeting of the CEP in the specialty "Cardiology, including children" (No. 4 dated 03.03.2020), Academic Council (No. 3 dated 20.04.2020).

Independent monitoring of the achievement of the final learning outcomes of the EP is carried out through an independent examination of graduates of residency at the NCIE; based on the results of questionnaires and interviews with employers. The EP was adjusted taking into account the comments and entered into the Register of Educational Programmes. On the recommendation of independent experts and employers, the description of the content of the disciplines was finalized and the list of disciplines of the optional component was optimized. This procedure is carried out annually, after

which disciplines are introduced into the catalog of elective disciplines (CED), which make it possible to enhance the achievement of the expected final LOs for EP.

Strengths:

1. the technology of credit-hour assessment of educational programmes and the results of their development has been developed;
2. a system for assessing the educational achievements of residents was developed (letter and point system for assessing students' knowledge - rating);
3. the system of final control and assessment of students' knowledge using simulation technologies has been improved.

Conclusions of the EEC on the criteria. Out of 15 standards conform: completely - 15.

Standard 7: completed

Standard 8: GOVERNANCE AND ADMINISTRATION

The University has developed and approved the main internal document defining the scope of responsibilities and powers of the University in relation to EP residency, including the obligation to provide the educational process in full with all the necessary information sources and access to online educational resources, including "Academic Policy ". This document is guided by the dean's office and departments in the management of the educational residency programme. Coordination of the implementation, control and monitoring of the implementation of residency programmes in all licensed specialties is carried out by the dean's office of the faculty of internship and residency under the supervision of the vice-rector for academic activities (Rector's Order No. 577 dated July 20, 2018) for the educational process and the provost for clinical activities.

The University implements EP in residency in accordance with the regulatory legal acts approved by the Ministry of Health and Safety and the Government of the Republic of Kazakhstan, as well as the internal rules for organizing the educational process in residency.

Strengths:

1. Continuous organizational, coordination and administrative work aimed at achieving the mission and goals;
2. Transparency of the management system and decisions made;
3. The responsibility of the academic leadership in relation to the development and management of the educational programme is determined;
4. High academic assessment of achievements and learning outcomes
5. Stable financial condition of the university;
6. Extensive collaboration with partners in the health sector

Conclusions of the EEC on the criteria. Out of 15 standards conform: totally 15.

Standard 8: completed

Recommendations for improvement identified during the external visit:

- 1) Development of international cooperation with foreign partners

Standard 9: CONTINUOUS RENEWAL

The University, in order to continuously improve the postgraduate educational process in accordance with the best practice of world educational management, taking into account the needs of practical health care in the Republic of Kazakhstan, which is in the process of reforming, regularly initiates a review and updating of processes.

In this case, the review procedure is carried out at 3 levels and is accompanied by a documentation procedure:

- 1) university administration and management, working groups on examination and evaluation of curricula, teaching and evaluation methods, development and monitoring of residents' portfolios, examination of the catalog of elective disciplines, QMS audit - once a year, analysis is carried out for compliance with the fundamental concepts and criteria of the European Model of Excellence;

2) internal audit (head of the department) on the basis of the individual teacher's plan, the individual plan of the resident, HCC (the annual plan is approved at the beginning of the academic year) - once a year, with discussion at the department meeting and inclusion in the annual report of the department;

3) feedback from residents and teachers is implemented through a questionnaire.

Based on the analysis of the documented review at all levels, resources are allocated and an action plan is determined to update the postgraduate educational process, improve management, update the goal of the strategic plan in terms of educational activities, structure and content, taking into account the needs of practical health care, ensure improved learning outcomes / competencies, learning environment programmes.

The University has developed and approved the "Personnel policy of KazNMU, which reflects the priorities for the formation of human resources and criteria for the selection of personnel, including the scientific, pedagogical and clinical merits of candidates. By order of the rector, the composition of the Attestation Competition Commission is approved, which analyzes the documents submitted by the candidates, interviews each candidate. After that, the commission makes a decision on each candidate. When analyzing the competition documentation, the compliance of basic education, the availability of academic degrees, titles and honorary titles, professional experience, a list of scientific papers and inventions, the availability of a doctor's certificate or medical category for applicants for clinical departments are considered, which is confirmed every 5 years by the relevant accreditation bodies,

The effectiveness of teaching in a medical university is determined not only by a high level of competence in the field of medical knowledge,

Strengths:

1. A well-known brand of the university, strong traditions of training residents;
2. To implement the model of medical education and to ensure the quality of the educational process, a new structure has been created - the department of academic work, there are committees of educational programmes in the areas of training;
3. The system of advanced training and continuous professional growth of teaching staff and employees.

Conclusions of the EEC on the criteria. Out of 4 standards conform: completely 4.

Standard 9: completed

Recommendations for improvement identified during the external visit:

- 1) Development of partnerships under existing cooperation agreements with foreign universities, as well as expanding the scope of cooperation and concluding new memorandums in the field of cardiology.

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 carrying out the examination as part of the tasks of the external expert evaluation programme were found.

5. Recommendations for improving educational residency in the specialty: "Cardiology, including children's":

Standard 2

- 1) Strengthen training methods for residents.
- 2) Expand the preparation of joint educational programmes with educational programmes of leading foreign and Kazakh universities.

Standard 3

- 1) Widespread involvement of residents in scientific activities.
- 2) Improvement of the instrumentation system

Standard 4

- 1) Strengthen the programme of social support for residents, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, source: university funds (budgetary and extra-budgetary), funds of the workers' union, funds of the student union and other sources.

Standard 5

- 1) Strengthen motivation to increase the degree of degree and categorization of teaching staff.

Standard 6

- 1) Increasing the share of teaching staff with a scientific degree.
- 2) Increasing the categorization of teaching staff.
- 3) Improvement of the material and technical base and educational resources at the clinical bases of the department

Standard 8

- 1) Development of international cooperation with foreign partners

Standard 9

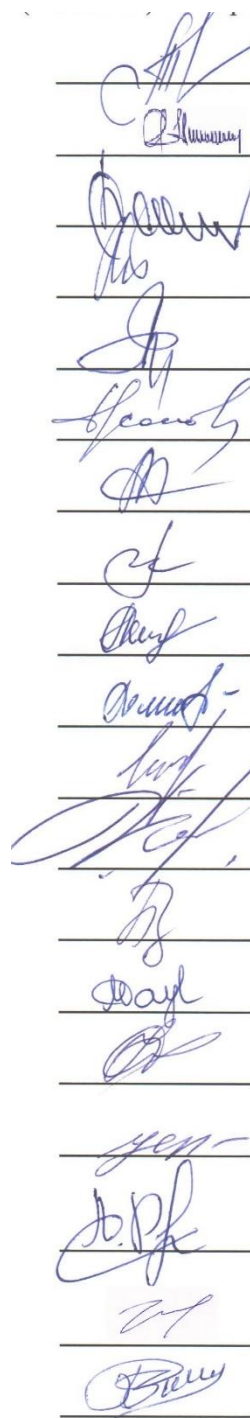
- 1) Development of partnerships under existing cooperation agreements with foreign universities, as well as expanding the scope of cooperation and concluding new memorandums in the field of cardiology.

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous opinion to recommend to the Accreditation Council to accredit the educational residency program in the specialty "Cardiology, including children's" Asfendiyarov KazNMU" for the period of 5 years.

Chairman of the EEC

Morenko Marina Alekseevna
Foreign expert
Ryzhkin Sergey Alexandrovich
Academic expert
Serik Zhakenovich Dzhandaev
Academic expert
Ligai Zoya Nikolaevna
Academic expert
Magyarov Valentin Manarbekovich
Academic expert
Zhanalina Bakhyt Sekerbekovna
Academic expert
Zhumalina Akmaral Kanashevna
Academic expert
Kudabaeva Khatimya Ilyasovna
Academic expert
Abdullina Venera Ravilevna
Academic expert
Igimbayeva Gauhar Tleubekkyzy
Academic expert
Kabildina Nailya Amirbekovna
Academic expert
Kusainova Faridat Azymovna
Academic expert
Bacheva Irina Viktorovna
Academic expert
Maukaeva Saule Boranbaevna
Academic expert
Ospanova Nargul Narimanovna
Expert - representative of employers
Sergeeva Elena Nikolaevna
Expert - representative of residents
Diana Abbasova
Expert - representative of residents
Ilyasov Eldar Rashitovich
ECAQA Observer
Sarsenbayeva Dariyabanu Bulatovna



The image shows a vertical list of 20 horizontal lines, each with a handwritten signature in blue ink. The signatures are written in various styles, some being cursive and others more blocky. The lines are evenly spaced and extend across the width of the page.

Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty
"Cardiology, including children's» of NJSC "KazNMU named after S.D.Asfendiyarov "

Standard	Criteria for evaluation Number of standards = BS * / SI	TOTAL	Grade			
			Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	MISSION AND END OUTCOMES	17	= +			
2.	EDUCATIONAL PROGRAMME	31	+			
3.	ASSESSMENT OF STUDENTS	11	+			
4.	STUDENTS	30	+			
5.	ACADEMIC STAFF /FACULTY	7	+			
6.	EDUCATIONAL RESOURCES	21	+			
7.	PROGRAMME EVALUATION	15	+			
8	GOVERNANCE AND ADMINISTRATION	15	+			
9	CONTINUOUS RENEWAL	4	+			
	total	151				

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

No.	Names of documents	Quantity	Date of approval (if applicable)
1.	Syllabuses for the period 2018-2020 academic year		09/21/2020
2.	Department plan for the current year		28.08.2020
3.	Minutes of the meetings of the department for the current year		28.08.2020
4.	Research work for the current year		28.08.2020
5.	Resident portfolio		28.08.2020
6.	Regulations on the Faculty of Postgraduate Education		No. 462 October 27, 2020
7.	Annual plan of the department		08/28/202
8.	Faculty work report		08/20/2020
9.	Rules for admission to residency		08/14/2020
10.	Schedule and schedule of resident classes		08/14/2020
11.	Rules for admission to residency		Minutes 7 dated 07/15/2020
12.	Regulations on the Employers' Council		Minutes 127 dated 19.03. 2021
13.	Academic Policy 2020-2021		No. 375 t 27.08.2020
14.	CEP Regulation		No. 368 dated 24.08.2020
15.	Quality Assurance Commission Regulation		No. 368 dated 24.08.2020
16.	Regulations on the ongoing monitoring of the progress of intermediate and final certification		No 13 dated 10/10/2020
17.	Regulations on the working group on the implementation of innovative and active teaching methods		No 329 of 12/20/2020
18.	Code of honor of teaching staff and employees of KAZNMU		
19.	Regulation on job descriptions of teaching staff		28.08.2020
20.	Minutes of meetings of the department		
21.	Department plan		28.08.2020