

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  
PROGRAMME  
7R01190 - "NEPHROLOGY, INCLUDING CHILDREN'S"  
OF ASFENDIYAROV KAZAKH NATIONAL MEDICAL UNIVERSITY FOR  
COMPLIANCE WITH STANDARDS FOR ACCREDITATION OF  
POSTGRADUATE EDUCATION PROGRAMMES (RESIDENCE  
SPECIALTIES) IN MEDICAL EDUCATION ORGANIZATIONS**

**period of external expert evaluation: 26.05.-28.05.2021**

**Almaty, 2021**

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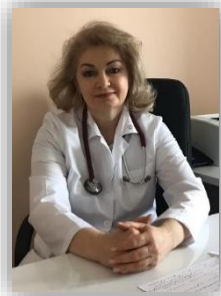
## LIST OF SYMBOLS AND ABBREVIATIONS:

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
EMO	Educational-methodical organisation
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  
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NJSC "West Kazakhstan Medical University  
named after Marat Ospanov "



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



**National academic expert**

IGIMBAEVA GAUKHAR TLEUBEK KYZY,  
Candidate of Medical Sciences, Professor,  
Republican Coordinator of Continuous  
Professional Development of Health Personnel  
on the Issues of Mortality Reduction from BSC  
of the Ministry of Health of the Republic of  
Kazakhstan, Consultant Cardiologist of the  
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(Turkey-Kazakhstan)



**National academic expert**

KABILDINA NAILA AMIRBEKOVNA.  
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"Medical University of Karaganda"



**National academic expert**

KUSAINOVA FARIDAT AZYMOVNA,  
Candidate of Medical Sciences,  
Associate Professor of the Department of  
Obstetrics, Gynecology and Reproductive  
Technologies  
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  
highest category,  
Head of the Department of Infectious Diseases  
and Immunology  
NJSC "Semey Medical University"





**National academic expert**

OSPANOVA NARGUL NARIMANOVNA,  
Candidate of Medical Sciences,  
Associate Professor at the Department of  
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.



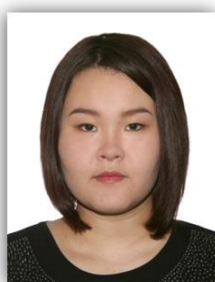
**Expert - resident representative**

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 "7R01190 -" Nephrology, including children's " of KazNMU for compliance with Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational



institutions of ECAQA, recommendations of the EEC on the further improvement of 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 7R01190 -" Nephrology, 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, 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 is a member of the following international associations: **AMEE, Association Siberian Open University, UNAI.**

During the period of implementation of KazNMU, 124 agreements on cooperation with universities, medical and scientific organizations of 34 countries of the near and far abroad have been concluded.

For the period from the 2015-2016 academic year to the 2019-2020 academic year, 107 visiting professors were invited. External outgoing and incoming academic mobility for the reporting period amounted to 59 university employees and 172 residents.

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 of residents - 22.

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.

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 453 residents, including in the specialty 7R01190 - "Nephrology, including children" 5 people. In 2019 and in 2020dah 158 and 146 residents were graduated respectively, in the specialty 7R01190 - "Nephrology, including children's"- 5 and 4, respectively.

The total number of teachers involved in the educational process of residency in the above specialty is 9 people, among them MD - 3, MD - 2, no degree (presence of a medical category) - 4...

## **2.2 Information on previous accreditation**

Accreditation of the educational programme of residency in the specialty 7R01190 - "Nephrology, including children's" of 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 7R01190 - "Nephrology, 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 on 115 pages of the main text, as well as applications on 116-126 pages, 24 applications in PDF form, electronic versions of documents by reference to googledisk 18.

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 contains information about the representative of the NCIE responsible for the self-assessment of educational programmes - A.N.Baimakhanov, Dean of the Faculty of Postgraduate Education.

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 7R01190 - "Nephrology, including children's", while the beginning of training in 2011, in 2019-2020 and 2020-2021. learns 9 and 5, respectively.

The self-assessment report contains reasoned data on the implementation of the educational programme, taking into account the mission and the final results, aimed at training a qualified physician specialist in nephrology; methods of teaching and learning, material and technical support, corresponding to the content and final results in the specialty, a highly qualified staff of teachers involved in the learning process are presented; provides data on the assessment of residents at all stages of the educational programme, taking into account all types of students' activities in compliance with national and international recommendations, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is sufficiently completed and updated according to the selection methodology for admission to residency, the development of an educational programme, its approval and further management, financial support for training in residency, provision of material and technical needs, including the needs of library resources, analysis of the demand and employment of specialists, the involvement of students and employees in conducting scientific research, mechanisms for involving all parties in the training process for the further development and improvement of educational programmes, social responsibility of residents and employees.

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, and the university 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 in the specialty 7R01190 - "Nephrology, 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 NU "Eurasian Centre 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 11 .2021 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.	Nurgozhin Talgat Seitzhanovich	Rector of Asfendiyarov KazNMUa, Doctor of Medical Sciences, Professor
2.	Bayldinova Clara Zhenisovna	Vice-rector for academic affairs
3.	Baimakhanov Abylai Niyatovich	Dean of the Faculty of Postgraduate Education
4.	Tusupbekova Sandugash Kairatovna	Head of the Department of Academic Affairs
5.	Kulzhakhanova Samal Sanatovna	Head of the Alumni Career Centre
6.	Nagasbekova Bayan Serikkanovna	Head of Human Development Department resources
7.	Sapakova Madina Mukhtarovna	Head of HR Department
8.	Tulepbaeva Gulzhan Sovetovna	Head of Clinical Department
9.	Nurmakhanova Zhanat Makhmutovna	Chairperson of the Committee for Educational Programmes (residency)
10.	Ensegenova Zoya Zharbulatovna	Chairperson of the Committee for Educational Programmes (residency)
11.	Syzdykova Aigul Temirbulatovna	Deputy CFO
12.	15 residents by specialty Endocrinology, including children's, Rheumatology, including children's, Nephrology, including children's, Cardiology, including children's Psychiatry, including children's	
13.	Modovov Nurbol Alimbaevich	Library manager
14.	Saliev Timur Muydinovich	Supervisor SRIFM named after Atchabarov SRIFM
15.	Balmukhanova Aigul Vladimirovna	Deputy the head SRIFM named after Atchabarov SRIFM
16.	16 representatives of practical health care (not affiliated with KazNMU)	
17.	Talkimbaeva Naylya Anuarovna	Head of the Simulation Centre
18.	Kalenova Bakytgul Sovetovna	Head of Digitalization Department
19.	Botabekov Nurbolat Koybagarovich	Head of the Department of Distance Education Technologies
20.		Residency graduates
21.	Askarov Elnur Askarovich	Head of the Youth Policy Department
22.	20 faculty members of the university	

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.

Vice-rector for academic activities Bayldinova K. Zh. Presented EEC and provided information on the purpose of the visit. This interview provided 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. The experts asked questions about the academic load of teachers, clinical mentors.

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 as Saratov State Medical University, as well as within the framework of the Mevlana academic exchange programme. From the conversation with the dean, it was determined that the residents work in the clinics in a safe environment.

During an interview with the head of the Alumni Career Centre, S.S. Kulzhakhanov, experts assessed approaches to implementation of monitoring employment residents. In general, the employment rate is very high and amounts to 100%, at the same time it is necessary to conduct monitoring over several years. Residency graduates are employed in medical organizations in Almaty, Almaty, Kostanay, Kyzylorda regions and other regions of the Republic of Kazakhstan, due to which continuous feedback is maintained with practical health care. In accordance with the decree of the Government of the Republic of Kazakhstan dated June 22, 2016, the Supervisory Board operates at the university. The University organizes targeted meetings with employers - when coordinating educational programmes, catalogs of elective disciplines (CED); representatives of employers are members of the Clinical Council of KazNMU, at meetings of which issues related to the implementation of the Mission are discussed. Experts conducted a survey of graduates and employers about the level of satisfaction of employers and other stakeholders with the quality of training of residents, which showed high satisfaction with the competencies of students.

Interview with the head of the human development department resources of Nagasbekova B.S. and the head of the personnel management department Sapakova M.M. included obtaining information 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.

Head of Clinical Department Tulepbaeva G.S. reported to the experts on provision of resources for clinical practice and work of residents, on cooperation with clinical bases. Residents by specialty 7R01190 - "Nephrology, including children's", are trained at the following clinical bases: KazSRIC&IM, City Clinical Hospital No. 7, N.N. Syzganov, RDC, DCCH # 2, University Clinic # 1, MC "Sunkar". The equipment of clinical bases contributes to the high-quality organization of the educational process and the provision of specialized and highly specialized inpatient and outpatient care to the population of the region. Gulzhan Sovetovna gave a description of mentoring in residency, representation of residents in the advisory and advisory bodies (CSR) of the university - KOPs, the Academic Committee.

Interview with chairperson of educational programmes committees Nurmakhanova Zh.M. and Ensegenova Z.Zh., who reported on the stages of development, examination and further analysis of the effectiveness of the work of educational programmes, monitoring for making additions and changes. During the interview, issues of the work of committees, the functioning of internal working groups, the inclusion of residents and employers in their composition were discussed. Also, the chairperson of the CEP described the work of independent experts, a group of testers who monitor the quality of the classes, the quality of writing tests.

Interviews with residents were held, while the EEC was divided into 5 subgroups for a more detailed clarification of issues related to training, resources and training methods. In total, 15 residents were present at the interview, of which according to the program 7R01190 - "Nephrology, including children's"- 3.

Interviews with 15 residents, including three students on the accredited educational programme, were conducted online, but nevertheless, they managed to get answers to questions such as the possibility of using the library and other electronic resources, the availability of communication with teachers and clinical mentors, safety in within the framework of the COVID-19 pandemic at clinical sites using PPE, the performance of scientific work, the possibility of field residency and academic mobility, the availability of residence in a hostel. In general, all residents noted the sufficiency of library and electronic resources, compliance with protective measures, the availability of communication with university staff and representatives of practical health care, 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, and advisory support. V at the same time, residents would like more independence in managing patients and holding international events.

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. The total amount of the main recommended literature is 5 million 406 thousand, of which there are textbooks and manuals by Kazakh authors, 235 thousand 14, the share of e-books is 0.6%. 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, publishing houses, which provides an opportunity for residents and teachers to participate in research and development and other events. The library organizes webinars and lectures on an ongoing basis.

Interview with the manager of SRIFM named after Atchabarov 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 publishing R&D results of residents and teachers in journals, including university journals. KazNMU Bulletin. At the University in 2020 there were 12 projects, 6 - within the framework of grant financing (MoH RK, MES RK), 6 - with other sources of financing for a total amount of 58,500 million tenge.

One of the important tools for accreditation expertise is the conduct and the interview with employers-representatives of practical health care who are not affiliated with KazNMU. A total of 16 people were interviewed, including the head of the department of nephrology of Children's hospital 2 Alpsbaev S.D. During the interview process, it was possible to establish that, in general, employers are satisfied with the competencies of graduates. Interviews with 16 employers on all the educational programmes of residency of KazNMU declared for accreditation were conducted online and included such questions as: knowledge of the university mission, 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 residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, 100% employment of residency graduates. Also, employers made a proposal to expand the base for residents to undergo field residency not only in central city clinics, but also in district ones,

Thus, during the first day of the visit, the expert validated the data of the self-assessment report of the educational programme according to standards 1,4,7,8 and partially 6.

### **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 sites: University Clinic No. 1, Research Institute of Cardiology and Internal Diseases. At the clinical sites, conversations were held with deputy chief doctors, heads of departments, treating doctors, who showed that teachers are actively involved in the treatment process of clinical sites: I supervise patients of departments every day, including in the "red zones", consult comorbid and diagnostically difficult patients, conduct consultative outpatient

appointments, participate in social projects for screening patients with CKD, participate in the analytical work of medical institutions, jointly introduce modern diagnostic and therapeutic innovations into the treatment process.

A review of resources showed that the university's clinical bases for the implementation of an accredited educational programme are available for review at the time of an external visit, corresponds to the goals and objectives, so the Research Institute of Cardiology and Internal Diseases has a sufficient number of nephrological and related patients, modern equipment and demonstrates availability to students, and staff who simultaneously fulfill the role of teachers and mentors (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 the training.

The experts examined the documentation on the educational programme 7R01190 - "Nephrology, including children's» at the link <https://drive.google.com/drive/folders/1FjbOSq-JcHvquVn42DkTdJ5p-VCFLmbb?usp=sharing>., Which confirmed the compliance with accreditation standards, including documentation of 8 teachers and 2 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 programme of the expert's visit included a visit to the simulation centre 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. meters. For the implementation of the residency programme in the specialty 7R01190 - "Nephrology, including children's", the simulation centre has: Adult Model for Mastering Cardiopulmonary Resuscitation; Child Model for Mastering Cardiopulmonary Resuscitation; Harvey Plus - advanced simulator for physical examination of a cardiac patient; Shoulder Injection Trainer with Mobile Feedback Device; where residents can form and develop the skills of physical examination of the patient, emergency care, preparation for the Independence attestation. In a conversation with the head of the simulation centre, Dr. med. Talkimbaeva Nayley Anuarovna found out that the residents' classes are held according to the schedule and the topics are integrated into the working curricula 7R01190 - "Nephrology, including children's"...

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 in the stages of approval of the educational programme, the Dean's office of postgraduate education is the main developer of programmes and educational and methodological documentation, 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 information about personnel policy and approaches to the development of pedagogical competence of teachers, motivation to work 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.

In order to validate the performance of the self-assessment report data and to obtain evidence of the quality of the programmes, interviews were conducted with the graduates of the residency on the zoom platform. Graduates of KazNMU are employed in medical organizations in the city of Almaty, Shymkent, Astana and 14 regions of the country - Almaty, Zhambyl, Kyzylorda, Mangistau, Turkestan regions and other regions. During the interview, it was found that all graduates note a sufficient level of

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, KIIS, AIS, RPN, RPW&WFA, ERDB, ISLO.

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, providing assistance to patients with COVID-19, and the image work of the university. As part of this interview, it was revealed that residents show a high level of motivation and are widely involved in volunteer programmes, working in the "red zones", providing medical and other support to the population. Meanwhile, residents are not sufficiently involved in social and university activities, which is motivated by their level of education, since residents have a medical status. However, residency refers to educational activities and, accordingly, residents are students. In this regard, a recommendation was given to expand the involvement of residents in events,

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 assessment of the educational programme of residency in the specialty 7R01190 - "Nephrology, including children's" for compliance with the ECAQA Accreditation Standards".

No comments were made by the EEC members. However, there is a desire to simplify the stages of approval of the educational programme. 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.

By chairperson of the EEC prof. Morenko M.A. a final open vote was held on recommendations to improve the educational programme of residency 7R01190 - "Nephrology, including children's" 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.**

On May 26, 2021, an observer from ECAQA conducted an online survey of residents of the Asfendiyarov Kazakh National Medical University (KazNMU) on the resource <https://webanketa.com/> within the framework of 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:** By their responses, residents generally expressed satisfaction with the organization of education in general, as well as with the conditions of training, access to equipment, time for practical training, the number of patients for supervision, and the organization of teaching.

An online survey was conducted by the ECAQA observer as part of the external evaluation programme on May 26 on the resource <https://webanketa.com/>, which included 23 questions, allowing to draw conclusions about the attitude of teachers to the organization of the educational process and determine the existing problems.

**Results of the survey of teachers of residency programmes:** The survey showed that the majority of the interviewed teachers are satisfied with the organization of the educational process, observance of ethics and subordination, the organization of labor and workplace, the opportunity for career growth, the opportunity to engage in scientific work and publish the results of research.

The results of the questionnaire are presented in Attachment 3 and, in general, demonstrate satisfaction with the educational process, the resources of the clinical base, and the competencies of teachers.

### **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 (educational programme, 24 accompanying documents, Self-assessment report of the educational programme of residency, 18 syllabuses, portfolio of residents with scorecards, individual plans of residents for the 2019-2020 academic year, book supply map, department plan and report, instrumentation, reports on the medical work of teachers) of the document for compliance with the 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-JcHvquVn42DkTdJ5p-VCFLmbb?usp=sharing>, experts reviewed more than 26 documents, as well as during an external expert assessment by members of the EEC studied the main documents (mission, strategic plan until 2021, 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, electronic databases, patient documentation, educational and methodological literature), resources on residency on the website <https://kaznmnu.kz/>, which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

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. KR 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 account of the completed clinical skills 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. Meanwhile, the research competence of residents in the specialty "Nephrology, including children's" is reflected in the themes of the IWR and is implemented in the scientific projects of residents.

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 a clinical mentor. The mentor provides appropriate support in the professional and personal formation and development of the resident, shares experience, knowledge and supports the ward in a way that is effective and efficient, fosters independence in him, thoroughly studying the abilities of a young specialist, his inclinations, interests, attitude to the team.

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 assessment of residents, the development of the content of individual plans of residents and the selection of mentors.

Recommendations for improving activities in the field of implementation of the educational residency programme in the specialty 7R01190 - "Nephrology, including children's" 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 programme of residency in the specialty 7R01190 - "Nephrology, including children's" and an overview of the strengths for each standard.**

##### **Standard 1: MISSION AND END OUTCOMES**

Mission of the NJSC Asfendiyarov Kazakh National Medical University (hereinafter referred to as the University) is aimed at serving society through the training of competitive specialists in the treatment, preservation and strengthening of people's health, mission of the University, in connection with obtaining status of a research university and the developed Development Programme for 2019-2023, was updated and approved by the Decision of the Supervisory Board (Minutes No. 1 of 03/20/2019).

Mission of the educational programme (EP) 7R01190 - "Nephrology, including children's" is implemented on the basis of an analysis of the needs of society and health care: an analysis of the needs for personnel is carried out, meetings with employers, a Supervisory Board operates at the university. Stakeholders participate in the implementation of the EP Mission.

The educational programme complies with the regulatory documents of the Republic of Kazakhstan. The medical organization promotes the formation of professionalism among residents, through the implementation of autonomy. Experienced mentors working at ten clinical sites are involved in working with residents; 8 employees of the department (3 professors, 1 associate professor, 4 assistants), 3 of whom have the highest qualification category, represented by specialties: nephrology for adults, children's).

Thus, during a visit to the Kazakh National Medical University. S.D. Asfendiyarov, 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 practice-oriented educational programme. The effectiveness of the educational programme is evidenced by 100% employment.

##### **Strengths:**

1. The development of goals and final results of training residents in the specialty "Nephrology, including children's" is based on state programmes for the development of health care and education of the Republic of Kazakhstan, on the analysis of external and internal changes, analysis of information received through feedback from stakeholders.
2. The main focus of the educational programme is "patient-centered education" of residents.

3. The development of goals and final results of training residents in the specialty "Nephrology, including children" is carried out in accordance with the mission and development strategy of the university.

*Conclusions of the EEC on the criteria...* Conforms out of 17 standards: fully - 13, significantly - 4, partially - 0, do not comply - 0.

**Standard 1: completed**

**Recommendations for improvement identified during the external visit: none**

## **Standard 2: EDUCATIONAL PROGRAMMES**

Training of residents in the specialty 7R01190 - "Nephrology, including children's" planned, organized and implemented in accordance with SCES-2015 (with amendments and additions as of 02/21/2020), orders of the Ministry of Education and Science of the Republic of Kazakhstan, Instructional letters approved by the Ministry of Health of the Republic of Kazakhstan, regulating documents: "Educational and methodological work" dated 03/27/2020; "Planning the educational process" from 03/27/2020; "Educational process"; "Postgraduate professional education", determining the order and organization of training specialists in residency in the context of clinical specialties at clinical departments.

Responsible parties for the management of the educational process in residency are: the dean's office of internship and residency, structural units (EMO, DAR) and advisory bodies (CEP, Academic Committee). The management of the educational process is carried out by the rector and vice-rector for academic work. The development and evaluation of educational programmes in the areas of training is carried out by the profile committee of educational programmes (CEP), which, along with the teachers of the departments, includes representatives of residents and practical health care. Monitoring of the compliance of teaching methods in relation to disciplines or topics of EP is carried out during the academic year, as at the department - (through the mechanism of intra-department control), "Monitoring of the educational process" of the CEP, the Commission for Academic Quality Assurance, the dean's office. EP implementation is carried out taking into account the quality system.

Training in residency is carried out taking into account the principles of continuity of basic medical education, postgraduate and continuing medical education throughout the professional life.

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. 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.

The Academic Policy for the 2020-2021 academic year 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.

Equipping clinical bases allows you to effectively implement active teaching methods: seminars, webinars, conferences, case studies, problem-oriented learning (PBL); Case-Based Learning (CBL), Command-Based Learning (TBL); training based on simulation technologies, analysis of clinical cases, medical records management, examination of the quality of medical care, case management, training in a clinic with the participation of a real patient, training in primary health care, attending medical conferences, consultations.

The simulation centre (SC) of the University provides training and independent assessment of the clinical skills of residents using simulators, dummies and virtual simulators.

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.

Thus, during a visit to the Kazakh National Medical University. S.D. Asfendiyarov, 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 2015 (with amendments and additions as of 02/21/2020) and is implemented in a student-oriented and

patient-oriented environment. 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.

**Strengths:**

1. Availability of clinical sites.
2. Competence approach to the training of a resident nephrologist, taking into account the final results.
3. Using a complete range of teaching methods to develop clinical skills, including simulation

**Conclusions of the EEC on the criteria.** Out of 30 standards conform: fully - 21, significantly - 9, partially - 0, do not correspond - 0.

**Standard 2: completed**

**Recommendations for improvement identified during the external visit: none**

**Standard 3: ASSESSMENT OF STUDENTS**

The University has developed a general policy, principles, methods for assessing the achievements of residents. The system of monitoring the educational achievements of residents at the University includes: current and midterm monitoring of progress, intermediate certification of residents and final state certification.

Test assignments, a list of practical and communication skills, assessment sheets are developed by the departments, respectively, of the EP in the specialty 7R01190 - "Nephrology, including children's» according to SOP No. 301 of 11.11.2019. "The procedure for the development of tasks in a test form", SOP No. 197 of 08/29/2019. "Development and approval of the system of educational achievements." The review of control and measuring instruments is carried out at several levels - within the department - from a department employee, inside the university - from a university employee or external expert evaluation, when employees of external organizations, associations or employers act as reviewers. Reviews are recorded at a meeting of the department or meetings of the CEP.

The University uses additional methods for assessing residents, such as portfolio, assessment of scientific activities. During the entire period of study, the resident forms a portfolio that corresponds to the final goals of the programme and contains uniform reliable and valid criteria for assessing the student's activities. A resident's portfolio consists of a resident's report; assessment and checklists with the assessment of practical activities, seminars, shifts, etc. .; characteristics of the curator; information about achievements during the period of study in residency, if any (awards, certificates, conference programmes, abstracts of publications, videos, letters of thanks, patient reviews, etc.). The IWR contains tasks that require the resident to work independently on a daily basis, forming a student's portfolio, and is the basis for assessing the "self-development" competence.

The final attestation of residents is independent and is carried out by the NCHE centre.

Thus, during a visit to the Kazakh National Medical University. S.D. Asfendiyarov, experts have established that the policy and procedures for assessing the educational achievements of residents at the University "Policy and procedures for assessing educational achievements" of residents are carried out in accordance with the goals and objectives for the implementation of the EP and awarded qualifications within the framework of the current rating system and control of the educational process , in accordance with directive, regulatory and internal documents and meet the basic criteria of the accreditation standard.

**Strengths:**

1. Portfolio assessment allows you to assess the development of the resident's competencies: personal interest, professional competence, communicative, personal qualities, scientific interest.
2. The quality of the control and measuring instruments is subject to a multi-stage check.

**Conclusions of the EEC on the criteria.** Out of 11 standards conform: completely -6, significantly -5, partially - 0, do not correspond - 0.

**Standard 3: completed**

**Recommendations for improvement identified during the external visit: No**

#### **Standard 4: STUDENTS**

For the educational programme 7R01190 - "Nephrology, including children's" in 2019, 5 residents were accepted under the state order, in 2020 - 1 under the economic contract. To attract applicants, an announcement was published with information on the KazNMU website (requirements for applicants; functional duties of a nephrologist, characteristics of the base where training will be conducted, and the teaching staff. The planning of the number of students in residency is carried out on the basis of data analysis of the needs of health care in the Republic of Kazakhstan in specialists.

Residency students take an active part in the formation and implementation of the Policy in the field of quality assurance of the EP, in the implementation of the development of the culture of quality and values of the NJSC Kazakh National Medical University named after SD Asfendiyarov ", the development and adoption of documents regulating educational, methodological, scientific, educational processes and ensuring high performance of the team.

In order to optimize employment and monitor the career of graduates, by order of the rector, the Office for Admission, Professional Guidance, Student Development and Employment of Graduates was reorganized into the Alumni Career Centre in August 2020. There is an Ethics Council at the University (for the Regulation see <http://kaznm.kz/rus>), which serves as a public body responsible for ensuring the implementation of the Code of Integrity for teachers and students of KazNMU and for considering violations of the Code of Integrity in the form of a fair and impartial hearing. The University Ethics Council is established for faculty and students / residents.

If the resident encounters difficulties, the curator, the staff of the department, the dean's office are trying to find a way to overcome the crisis - they provide the opportunity to work out classes, if they are skipped for a good reason, the possibility of academic mobility, transfer within the university (to another EP or language department), transfer to another university. In case of absences due to illness, the possibility of obtaining an academic leave is provided. All of these points are detailed in the University's Academic Policy.

Thus, during a visit to the Kazakh National Medical University, experts have established that the policy of selection and admission of students at the university is carried out in accordance with the Model Rules for admission to training in an educational organization. The number of admitted students of residency corresponds to the possibilities of clinical and practical training, the maximum allowable workload for managers, as well as the material and technical capabilities of the organization.

#### **Strengths:**

1. The university implements a policy of admission to residency in compliance with the requirements of the legislation, equality of educational opportunities, gender, religious and ethical aspects.

2. High commitment and continuity of residency students to this university.

3. The University has a variety of ways to implement the personal growth of residents.

**Conclusions of the EEC on the criteria.** Out of 30 standards conform: fully -15, significantly - 14, partially - 1, do not correspond - 0

**Standard 4: completed**

**Recommendations for improvement identified during the external visit:**

1) Expand the representation of residents in the process of developing policies for the admission and selection of residents.

2) Expand opportunities for residents to participate in the youth policy department and other advisory bodies.

## **Standard 5: ACADEMIC STAFF / FACULTY**

Institutional policy in relation to teaching staff is carried out at the university through the principles of democracy, transparency, competence in the implementation of personnel policy, harmonization of university and personal interests, stimulating the activities of teaching staff and supporting the needs of teaching staff in personal development.

The teaching staff of the specialty is represented by 9 specialists, including 3 doctors of medical sciences, 2 candidates of medical sciences, the rest have medical categories. All teachers are active specialists in the field, carry out clinical work in basic institutions (supervise or consult patients, conduct instrumental research, expert assessment of case histories, conduct scientific work, have scientific publications). Roles are distributed among the teachers - the staff of the department conduct theoretical classes, mentors - employees of the clinical base - supervise the practical part of the resident's work.

The University has a system of professional and pedagogical improvement of the teaching staff of KazNMU, represented by the following divisions: School of Pedagogical Skills named after H.S. Nasybullina (up to 2020 inclusive), School of Public Health named after H. Dosmukhamedova, Institute of Postgraduate Education, Centre for Communication Skills. Julia Draper, Human Resources Development Department, Academic Quality Department (since 2020), winter and summer schools organized by DAR, which contribute to the formation and development of the competence and potential of teaching staff.

Thus, the university's personnel policy is an important strategic direction of the university's activities, which is one of the absolute priorities of the academic policy of the university leadership. The personnel policy of the university is aimed at ensuring the high quality of the educational process. The main resource of the educational process are teachers, therefore, the personnel potential, the teaching staff of the department meets the qualification requirements, has full knowledge and owns modern teaching methods, the necessary skills and experience for the effective transfer of knowledge to students during the educational process. The role of the teacher is crucial for the high quality of teaching. Therefore, the health care organization has objective and transparent hiring processes,

### **Strengths:**

1. Faculty departments and clinical mentors are highly qualified employees, experts in health care and medical education, with scientific achievements and high medical qualifications.
2. The teaching staff implements the principle of the trinity of education, science and practice, which allows residents to successfully master ODA with subsequent employment and further professional development.

*Conclusions of the EEC on the criteria.* Out of 7 standards conform: completely - 3, significantly - 4, partially - 0, do not correspond - 0.

*Standard 5: completed*

*Recommendations for improvement identified during the external visit: No*

## **Standard 6: EDUCATIONAL RESOURCES**

The university has a developed material and technical base for the implementation of professional training of residents in the specialty 7R01190 - "Nephrology, including children's": classroom fund, 8 clinical bases, a scientific library, premises for treatment and prophylactic purposes, premises for leisure, a museum, public catering establishments ... The University has a centre for the formation and development of practical skills of residents in accordance with the goals and objectives of the educational programme.



The University has a system for studying the needs and analyzing the satisfaction of clinical departments in medical equipment, which is reflected in the annual formation of a university-wide application for its purchase.

Every year, the Scientific Library fund is updated by 5-10%, according to applications for the purchase of literature received from the departments of the university and over 300 titles (60 thousand copies) of periodicals (newspapers and magazines). The scientific library of KazNMU provides access to such popular Databases as: Web of Science - [webofknowledge.com](http://webofknowledge.com), Elsevier - [Sciencedirect.com](http://Sciencedirect.com), Scopus - [scopus.com](http://scopus.com), Cochrane Library, DynaMedPlus, MEDLINE Complete, eBook Clinical Collection, RIEB - [rmeb.kz](http://rmeb.kz), Database "Epigraph".

The University uses information technologies at a sufficient level: Media (Facebook, Telegram, etc.) university website; electronic creeping line; television monitors in the foyer of educational buildings; boards of official information of the administration, dean's offices; information boards in hostels and departments; radio broadcasting on the territory of the University.

Thus, during a visit to the Kazakh National Medical University experts established compliance with the basic criteria of the accreditation standard: Material and technical support and equipment; Clinical bases; guaranteed access for residents and teachers to their own and other necessary web resources and electronic media, etc.

**Strengths:**

1. The presence of a powerful clinical base, with high material and technical equipment, modern diagnostic equipment, with a sufficient number of patients with a variety of nosological forms.
2. Continuous improvement of the material and technical, socio-cultural and educational and informational bases of the university.
3. Rational management of the library's educational and scientific literature fund, electronic library resources, increasing free access to the Internet.

**Conclusions of the EEC on the criteria.** Out of 21 standards conform: fully - 13, significantly - 8, partially - 0, do not correspond - 0

**Standard 6: completed**

**Recommendations for improvement identified during the external visit:**

- 1) Expand opportunities for clinical training at other clinical sites.

**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). The OP was adjusted taking into account the comments and entered into the Register of Educational Programmes.

Feedback on specialty OP 7R01190 - "Nephrology, including children's" at the department is held 1 time per year, for the collection and processing of the results of the discussion is the responsibility of the head. department and teacher responsible for residency.

All stakeholders participate in the evaluation of the EP. The QMS department monitors the satisfaction of internal and external consumers of the university.

Thus, during a visit to the Kazakh National Medical University, experts found that the assessment of the EP is carried out taking into account the mission of educational programmes of postgraduate education (residency) in accordance with the mission of the University aimed at training a competent scientist, a researcher at the level of postgraduate medical education, having fundamental scientific training, possessing modern information technologies, able to formulate and solve modern scientific and practical problems, organize and conduct research and management activities. The system of

monitoring and evaluation of EP residents in the specialty "Nephrology, including children's", Covers absolutely all aspects of the organization, implementation and evaluation of EP: development, approval of EP, organization and conduct of the educational process, achievement of the final learning outcomes by residents, analysis of the results of external and internal audit of educational programmes and educational process at the university, analysis of feedback data from all participants in the educational process and stakeholders.

#### **Strengths:**

1. The EP assessment covers all aspects of the organization, implementation and evaluation of educational programmes and the quality of the programme management process.
2. Involvement in the evaluation of educational programmes of residents, teachers, employers.
3. External and internal assessment of the educational programme is carried out by leading specialists of the Republic of Kazakhstan.

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

*Standard 7: completed*

*Recommendations for improvement identified during the external visit: There is a proposal for the approval of the OP. According to the SOP "Academic Policy", the head of the EP, leading teaching staff, is involved in the development of the EP. When approving, there is no information about the Head of the EP. The EP is signed by the developers, agreed by the Dean of the Faculty of Postgraduate Education, the Head of the DAR, the Vice-Rector for Academic Affairs, the Chairperson of the CEP. Probably, the presence of additional parties for approval (DAR and Dean) do not affect the quality of the EP, but delay the process of approval of the EP. Recommended simplify this process.*

#### **Standard 8: GOVERNANCE AND ADMINISTRATION**

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. Powers, responsibilities and relationships between advisory and advisory bodies, administration, faculty and staff are clearly described in the relevant documents (University Charter, management structure, Regulations on divisions and job descriptions, etc.).

The activities of the academic leadership regarding the fulfillment of the mission and the solution of tasks assigned to the university are studied and evaluated based on the analysis and generation of reports and plans, analysis of the implementation of the goals and objectives of the strategic plan (quarterly and at the end of the academic year), internal audit reports (according to the plan), the results of the work of internal and external commissions (annually at the end of May).

The medical education organization has appropriate internal and external mechanisms for assessing financial condition and financial management and maintains its integrity and uses the results of this activity for continuous improvement.

The University conducts an internal audit in order to obtain a comprehensive analysis of activities and management, and the results of such analysis are taken into account when making strategic decisions.

Students who have mastered the EP of residency in the specialty 7R01190 - "Nephrology, including children's" and have successfully passed the state certification, are graduated a state-recognized document on the conferment of the qualifications of a nephrologist.

Thus, during a visit to the "Kazakh National Medical University" experts found that the medical education organization has a management system that contributes to the achievement of mission and

goals, maintains institutional efficiency and integrity, creates and maintains an environment for learning and research and creative activity.

**Strengths:**

1. The academic leadership structure ensures the quality and effectiveness of the University's activities.

2. Administration and management at the University is carried out in accordance with international standards, regularly updated by internal regulatory documents in the field of health care, which ensures increased competence and the achievement of the final learning outcomes in the specialty profile.

3. The transparency of the activities of the management and structural divisions of the University is carried out through regular internal audit and self-assessment.

4. Strategic partnership with practical health care for the development of a competency model of a graduate, the development and implementation of educational programmes.

**Conclusions of the EEC on the criteria.** Out of 15 standards conform: completely -8, significantly -7, partially - 0, do not correspond - 0

**Standard 8: completed**

**Recommendations for improvement identified during the external visit:**

1) Improve the mechanisms of motivating teaching staff in the implementation of the EP residency.

**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.

The development of the university is based on the principles of improving the quality management system, introducing new technologies into the educational process, improving the quality of training for residents in order to respond flexibly to market requirements. The university management strives to prevent emerging problems and their causes by improving the system of internal control and risk management.

The competence-based approach practiced at the university in the system of training specialists makes it possible to more flexibly and accurately meet the needs of students and employers by managing the educational goals of the EP in training various categories of specialists.

Thus, during a visit to the "Asfendiyarov Kazakh National Medical University" experts found that the Development Strategy of the NJSC "Asfendiyarov Kazakh National Medical University" provides for continuous analysis and assessment of the quality system of educational and medical activities of the university through a systematic analysis of the QMS, monitoring feedback from consumers of services to determine the degree of their customer satisfaction and modernization of the communication system at the university.

**Strengths:**

1. Monitoring of the EP "Nephrology, including children's", based on joint work with practical health care and other stakeholders, allows you to respond in a timely manner to external and internal challenges.

2. Introduction and further improvement of the mentoring institution.

**Conclusions of the EEC on the criteria.** Out of 4 standards conform: completely - 1, significantly - 3, partially - 0, do not correspond - 0

**Standard 9: completed**

**Recommendations for improvement identified during the external visit:**

- 1) Expand the further development of academic mobility of teaching staff and residents.
- 2) Improve communication mechanisms with key stakeholders.

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

**5. Recommendations for improving educational residency in the specialty 7R01190 - "Nephrology, including children's":**

**Standard 4**

1. Expand the representation of residents in the process of developing policies for the admission and selection of residents.

2. Expand opportunities for residents to participate in the youth policy department and other advisory bodies

**Standard 6**

1. Expand opportunities for clinical training at other clinical sites.

**Standard 7**

There is a proposal for the approval of the OP. According to the SOP "Academic Policy", the head of the EP, leading teaching staff, is involved in the development of the EP. When approving, there is no information about the Head of the EP. The EP is signed by the developers, agreed by the Dean of the Faculty of Postgraduate Education, the Head of the DAR, the Vice-Rector for Academic Affairs, the Chairperson of the CEP. Probably, the presence of additional parties for approval (DAR and Dean) do not affect the quality of the OP, but delay the process of approval of the EP. It is recommended to simplify this process.

**Standard 8**

1. To improve the mechanisms of motivation of the teaching staff in the implementation of the EP residency.

**Standard 9**

1. Expand the further development of academic mobility of teaching staff and residents.

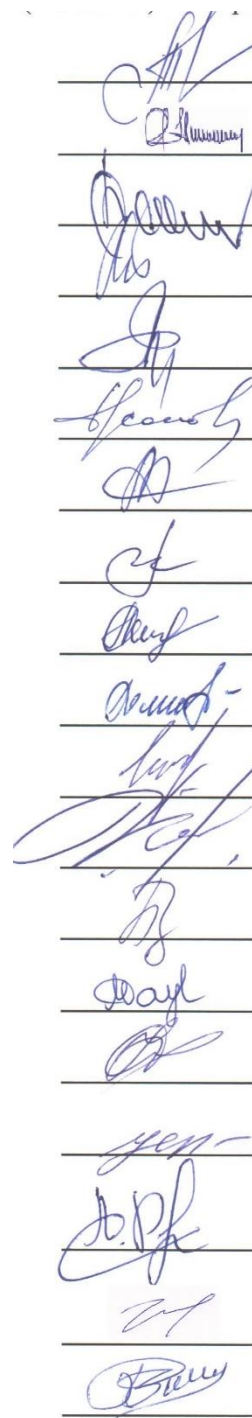
2. Improve mechanisms of relationships with key stakeholders.

## 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 **7R01190 - "Nephrology, 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 Dzhandayev  
Academic expert  
Ligai Zoya Nikolaevna  
Academic expert  
Magyarov Valentin Manarbekovich  
Academic expert  
Zhanalina Bakhyt Sekerbekovna  
Academic expert  
Zhurnalina 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



A vertical column of 20 horizontal lines, each with a handwritten signature in blue ink. The signatures are written in various styles, some appearing to be in Cyrillic or Latin script. 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**  
**7R01190 - "Nephrology, including children's"**  
**Of NJSC "Asfendiyarov KazNMU"**

Standard	Criteria for evaluation	TOTAL	Grade			
			Totally coincides	Significantly corresponds	Partially compliant	Does not match
	Number of standards = BS * / SI					
1.	MISSION AND END OUTCOMES	17	13	4		
2.	EDUCATIONAL PROGRAMME	30	21	9		
3.	ASSESSMENT OF STUDENTS	11	6	5		
4.	STUDENTS	30	15	14	1	
5.	ACADEMIC STAFF / FACULTY	7	3	4		
6.	EDUCATIONAL RESOURCES	21	13	8		
7.	PROGRAMME EVALUATION	15	2	13		
8	GOVERNANCE AND ADMINISTRATION	15	8	7		
9	CONTINUOUS RENEWAL	4	1	4		
	<b>total</b>	<b>150</b>	<b>82</b>	<b>67</b>	<b>1</b>	



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

No.	Names of documents	Quantity	Date of approval (if applicable)
1.	Residency educational programme in the specialty 7R01190 - "Nephrology, including children's"	1	08/24/2020
2.	Academic policy for the 2020-2021 academic year	1	08/27/2020
3.	The Code of Academic Integrity of Students of NJSC Asfendiyarov KazNMU "	1	08/27/2020
4.	Regulations on the Committee of educational programmes	1	08/24/2020
5.	Strategic plan of NJSC "Asfendiyarov KazNMU "for 2017-2021	1	05/30/2018
6.	Regulations on the current monitoring of progress, intermediate and final certification of students of the NJSC "Asfendiyarov Kazakh National Medical University "	1	01.10.2020
7.	IT Service Continuity Rules	1	04/17/2018
8.	SOP: The procedure for registration of academic mobility of a student of the Asfendiyarov Kazakh National Medical University	1	09/01/2020
9.	SOP: The procedure for conducting an oral exam in a distance learning environment	1	04/24/2020
10.	Analysis of the results of intermediate certification of residents of 1-4 courses of the 2019-2020 academic year	1	
11.	Application and the number of accepted residents in the NJSC "Asfendiyarov Kazakh National Medical University" for the 2020-2021 academic year	1	
12.	Code of honor of the teaching staff and employees of KazNMU	1	27.08.2019
13.	Organizational structure of NJSC "Asfendiyarov Kazakh National Medical University"	1	09/14/2020
14.	Report of the Chairperson of the SJSC on the results of the final certification of residency graduates for the 2019-2020 academic year	1	
15.	POLICY AND OBJECTIVES OF NJSC Asfendiyarov Kazakh National Medical University "IN THE FIELD OF QUALITY for 2019-2021	1	28.09.2019
16.	Mentoring clause	1	09/16/2019
17.	Regulations on the Faculty of Postgraduate Education, NJSC "Asfendiyarov Kazakh National Medical University"	1	10/27/2020
18.	Regulations on the academic mobility of students, teachers and staff	1	11.11.2019

19.	Regulations for admission to residency at the Asfendiyarov Kazakh National Medical University for the 2020-2021 academic year	1	07/15/2020
20.	"The rules of the internal order of students of the NJSC" Asfendiyarov Kazakh National Medical University "	1	10/14/2019
21.	Rules for the assessment of scientific and pedagogical personnel	1	10/23/2019
22.	Rules for the search, selection, selection and adaptation of employees of the NJSC "Asfendiyarov Kazakh National Medical University "	1	09.12.2019
23.	Order on the approval of the candidacies of the chairperson and the composition of the State Examination Commission and SJSC	1	12/26/2019
24.	SOP: Formation, discussion, approval of the academic calendar	1	02.08.2018
25.	Strategic plan of NJSC "Asfendiyarov Kazakh National Medical University "for 2017-2021	1	05/20/2018
26.	REPORT on self-assessment of the educational programme of residency in the specialty 7R01190 - "Nephrology, including children's" for compliance with the Standards of accreditation of educational programmes of residency of medical educational institutions of the Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health care	1	04.2021
27.	Syllabus: Dialysis Therapy (Russian and Kazakh languages)	2	08/31/2020
28.	Syllabus: Interventional nephrology (Russian and Kazakh languages)	2	08/31/2020
29.	Syllabus: Kidney and arterial hypertension (Russian and Kazakh languages)	2	08/31/2020
30.	Syllabus: Clinical nephromorphology (Russian and Kazakh languages)	2	08/31/2020
31.	Syllabus: Adult nephrology (Russian and Kazakh languages)	2	08/31/2020
32.	Syllabus: Children's nephrology (Russian and Kazakh languages)	2	08/31/2020
33.	Syllabus: Kidney pathology in pregnant women (Russian and Kazakh languages)	2	08/31/2020
34.	Syllabus: Transplantology and Immunology (Russian and Kazakh languages)	2	08/31/2020
35.	Syllabus: Ultrasound diagnostics in nephrology (Russian and Kazakh languages)	2	08/31/2020
36.	Resident portfolio	5	
37.	Evaluation sheets: 1. Clinical Case Analysis Scorecard 2. Practical Skill Scorecard (DOPS) - Renal Function Assessment	5	

	3. Practical Skill Scorecard (DOPS) - Patient Examination 4. Practical Skill Performance Scorecard (DOPS) - Conducting GD / PD 5. Practical Skill Performance Scorecard (DOPS) - Definition of SMAD 6. Evaluation sheet for filling out medical documentation (AA) 7. Presentation score sheet 8. Assessment of the learner by patients and staff 9. Resident Duty Scorecard 10. Mini-Clinical Exam Scorecard (Mini-CEX) 11. Evaluation sheet for the implementation of the IWR (review of the death of the deceased) 12. Evaluation sheet for the implementation of the IWR (review of the scientific article) 13. Resident trainee assessment of the curator 14. Evaluation of the resident trainee by the curator 15. Assessment of the supervising physician in the department by a resident trainee		
38.	Chair meeting plans	1	
39.	Reports of the medical work of the teaching staff (monthly)	4	
40.	Working curriculum	2	08/24/2020
41.	Timetable of classes	1	

**QUESTIONNAIRE RESULTS OF RESIDENTS AND TEACHERS OF NJSC "ASFENDIYAROV KAZAKH NATIONAL MEDICAL UNIVERSITY " (KAZNMU)**

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 is 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).

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.

Fully 82.5% of residents were provided with the necessary educational literature, 13% answered that it was partially, while 2.5% believed that they were not provided with the necessary literature. 86% of respondents fully agree that teachers provided them with methodological and didactic materials, additional literature to prepare for classes, 10.5% - partially agree, 2% - completely disagree, 1.5% doubt the answer.

71.5% of residents confirmed that at this time they are engaged in scientific work under the guidance of their teacher or mentor, 13.5% have started planning the implementation of research, 11% have not yet decided on the topic of research, 2.5% have no desire to engage in research, 1.5% doubt the answer.

73.5% of residents are completely and 20.5% are partially satisfied with the library fund of KazNMU, while 2.5% did not give an answer, 2% are partially dissatisfied, 1.5% are completely dissatisfied. According to the results of the survey, 83.5% of the respondents are completely satisfied with the organization of teaching, 14.5% - in part, 1.5% - are not satisfied.

87% of residents believe that there is sufficient time for practical training, 8% - partially agree with this statement, 2% - completely disagree, 1.5% - partially agree, and the same number of people doubt the answer. The schedule of training sessions is fully satisfied with 85% of the respondents, 14% - partially. 91.5% of residents are completely satisfied with the methods of assessing knowledge and skills, and 7.5% - partially.

Of all the respondents, 84% answered that teachers regularly use active and interactive teaching methods in the classroom, 12% expressed the opinion that such teaching methods are used only

occasionally, and 1.5% believe that they are rarely, and the remaining 2.5% answered, that they doubt or do not know what it is.

According to the survey results, 88% answered that after the end of the class, the teacher constantly conducts feedback with them, 8.5% believe that sometimes, 1.5% answered that it is rare, and the remaining 1.5% have never encountered this.

When asked about the number of seminars held during the month within the EP residency, 71.5% answered that the seminars are held once a week, 18.5% answered that two or three times a week, 5.5% - held daily, 2.5% believe that it is very rare.

94% of residents are sure that this educational organization allows them to acquire the necessary knowledge and skills in their specialty, 3% are not sure about this, and 2% cannot yet answer this question. Of all the respondents, 76.5% give an excellent assessment of the organization of clinical training, 17.5% have a good impression, 3% cannot rate it yet, and 2% are not satisfied.

We completely agree that the teacher (mentor, curator) of this educational organization is an example for them as a professional doctor, a person, 91% of residents, 7.5% answered that not all teachers of this educational organization are an example, while 1% is completely do not agree.

89% of respondents are completely satisfied with the number of patients for supervision or assistance during operations, 8% - in part, 1.5% - completely dissatisfied.

The majority (86%) 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, 6% doubt the answer, 5.5% do not know what it is.

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.

**Conclusions:** By their responses, residents generally expressed satisfaction with the organization of education in general, as well as with the conditions of training, access to equipment, time for practical training, the number of patients for supervision, and the organization of teaching.

### **Results of the questionnaire survey of teachers of the NJSC "Asfendiyarov Kazakh National Medical University" (KazNMU)**

The ECAQA observer, as part of the external assessment programme, conducted an online survey on May 26, which included 23 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 64, including those with up to 5 years of experience - 7.81%, up to 10 years - 20.31%, over 10 years - 71.88%.

Of all the respondents, they teach in the educational programme of the therapeutic profile - 48.44%, the surgical profile - 29.69%, the pediatric direction (including pediatric infections and neonatology) - 4.69%, the diagnostic direction (functional diagnostics, radiation diagnostics) - 4.69%, oncology, radiology, radiation therapy - 6.25%, dental profile - 6.25%.

Of all the respondents, 84.38% are full-time teachers, 6.25% are part-time teachers, 6.25% are not involved in teaching residents, 1.56% are mentors, 1.56% are not related to 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 fully 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, 23.44% are partially, and 1.56% (1 person) are not completely satisfied. The organization has an opportunity for career growth and development of competence for teachers: 75% fully agree, 25% partially.

70.31% of respondents fully agree that in this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research, 28.13% - partially agree, and the remaining 1.56% (1 person) - completely disagree. According to the survey results, 46.88% of

respondents are completely satisfied with the salary, 17.19% - more NO than YES, 15.63% - more YES than NO, 12.5% did not give an answer, 7.81% - completely dissatisfied.

70.31% confirmed that they personally participate in the development of teaching materials for the residency programme, 17.19% participate partially, 6.25% answered that they are provided with ready-made methodological developments, 4.69% doubt the answer.

64.06% of respondents studied at professional development courses from 1 to 5 years ago, 35.94% - during this year.

More than half of the respondents (51.56%) hold seminars with residents once a week, 15.63% - 2-3 times a week, 12.5% - daily, 7.81% - 1-2 times a month.

According to the survey results, 84.38% of teachers fully agree that they can be realized as professionals in their specialty in this educational organization, and 10.94% agree partially, 3.13% partially disagree.

76.56% of respondents fully agree that the organization has enough equipment and resources to conduct training for residents on accredited programmes, 20.31% - partially agree.

75% of respondents are fully satisfied with the work of the postgraduate education department, 20.31% are partially, the rest are not satisfied or have doubts about the answer. Regarding participation in conferences (international, republican), 29.69% did not contact the management on this matter, 26.56% did not give an answer, 18.75% answered that the organization supported their participation by paying for travel, travel expenses, registration fees, 7.81% answered that they no expenses are paid, 7.81% found sponsors, 6.25% are supported only by fare.

The majority of respondents (93.75%) fully agree that residents have free access to patients at clinical sites and all conditions for improving their practical skills, 6.25% - partially agree. The teachers answered that during the classes, they have a syllabus and a CDM (87.5%), control and measuring instruments (78.13%), cases (65.63%), an educational journal (54.69%), monographs (35.94%), a registration journal mining (20.31%).

The level of previous training of residents upon admission to training programmes is fully satisfied by 40.63% of the respondents, partially - 51.56%, at the same time, 1.56% completely disagree with this, 6.25% did not give an answer.

57.81% know about the implementation of social programmes to support teachers, 29.69% do not know about it, 7.81% doubt the answer, 3.13% have already used it. Of all the respondents, 67.19% note that the organization's management systematically listens to the opinion of teachers in relation to issues on the educational process, research and development, clinical work, 26.56% believe that sometimes, 4.69% did not give an answer.

In the process of training residents, a variety of training methods are used, but more often the analysis of situational tasks (78.13%), the preparation and solution of cases (64.06%), work in small groups (64.06%), problem-oriented training (60.94%), interactive training (60.94%), oral questioning of students (54.69%), oral analysis of the topic (50%), solution of tests (43.75%), practical training in clinical skills in a clinical training centre (42.19%).

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).

**conclusions:** The survey showed that the majority of the interviewed teachers are satisfied with the organization of the educational process, observance of ethics and subordination, the organization of labor and workplace, the opportunity for career growth, the opportunity to engage in scientific work and publish the results of research.





PHOTOS OF THE ACCREDITATION COMMISSION



