

UNT
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 EVALUATION OF THE EDUCATIONAL PROGRAMME
7R01180 "ENDOCRINOLOGY, INCLUDING CHILDREN'S"
FOR COMPLIANCE WITH ACCREDITATION STANDARDS FOR POSTGRADUATE
EDUCATION PROGRAMMES (SPECIALTIES OF RESIDENCE) IN MEDICAL
EDUCATION ORGANIZATIONS**

period of external expert evaluation: 26.05.-28.05.2021

Almaty, 2021

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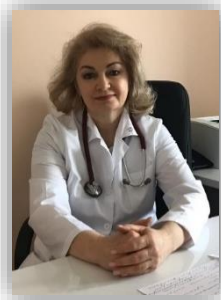
LIST OF SYMBOLS AND ABBREVIATIONS:

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
EMA	Educational-methodical association
UC	University clinic
AC	Academic Council
CCU	Centre of collective usage
GCV	Graduate Career Centre
STE	School of teaching excellence

1. Composition of the External Expert Commission

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



Chairperson of the External Expert Commission

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

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

Foreign expert (online)

NASYROV RUSLAN ABDULLAEVICH,
Doctor of Medical Sciences Professor,
Vice-rector for scientific work,
Head of the Department of Pathological Anatomy with the course of forensic medicine
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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,
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Professor Department of Otorhinolaryngology
NJSC "Astana Medical University"
Academician of the "International Academy of Head and Neck Surgery"





National academic expert
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Doctor of Medical Sciences,
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NJSC "Kazakh-Russian Medical University"



National academic expert
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"Kazakh-Russian Medical University"



National academic expert
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Excellence in Health care of the Republic of
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National academic expert
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National academic expert
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Candidate of Medical Sciences, Professor
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National academic expert
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National academic expert

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National academic expert

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Expert -employers' representative

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Expert - resident representative

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Expert -resident representative (online)

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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 7R01180 "Endocrinology, including children's" of KazNMU for compliance with the Standards for accreditation of postgraduate education programmes (specialty residency) of medical educational institutions of ECAQA, recommendations of the EEC on further improving 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 7R01180" Endocrinology, including children's "

Since 2018, KazNMU has been reorganized into a non-profit joint-stock company (NJSC) in accordance with the decree of the Government of the Republic of Kazakhstan (dated 5.04.2018, No. 166) and received the status of a research university (decree of the Ministry of Health of the Republic of Kazakhstan dated 12.11.2018). KazNNMU 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.

Currently, in accordance with state license No. KZ74LAA00017008 dated September 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 graduates of residency 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 of 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, Siberian Open University Association, 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.

The total number of residency students in 2019-2020 is 453 residents, including 15 people in the specialty 7R01180 "Endocrinology, including children's". In 2019 and 2020, 158 and 146 residents graduated, respectively, in the specialty 7R01180 "Endocrinology, including children's" - 3 and 4, respectively.

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

2.2 Information on previous accreditation

Accreditation of the educational programme of residency in the specialty 7R01180 "Endocrinology, 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 study programme of residency in the specialty 7R01180 "Endocrinology, 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 152 pages and contains 24 applications, electronic versions by reference

https://drive.google.com/file/d/1UYjkVvz8TQ3kWkecnkvFdu7fyCIIGu0q/view?usp=drive_web

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, dynamics of development 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 the real practice of KazNMU, on the training of residents in the specialty 7R01180 - "Endocrinology, including children's", reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is quite complete and updated in terms of the number of residents, teachers, administration, information on selection and admission, training results, results of knowledge and skills assessment, material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, base), financial information, plans for development and improvement.

The conclusion for each of the 9 accreditation standards includes a description of the strengths and areas for improvement identified during the self-examination and development prospects for this 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. There are comprehensive answers and explanations to the questions and comments raised.

3. Description of external expert evaluation

External expert work on the assessment of the educational programme of residency in the specialty 7R01180 "Endocrinology, including children's" was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by the order of the Director General of the NU "Eurasian Centre for Accreditation and Quality Assurance Health care "No. 5 of February 17, 2017) and according to the programme and schedule approved on May 11, 2021 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the rector prof. Nurgozhin T.S.

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC used the following methods: interviews with management and administrative staff, interviews with residents and teachers, observation, studying the website, interviewing employees of various structural units, questioning teachers and residents, reviewing resources with a visit to clinical bases in the context of fulfilling 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.

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

Meeting with the Dean of the Faculty of Postgraduate Education Baimakhanov A.N. and Director of the Department for Academic Work Tusupbekova S.K. allowed the experts to understand how the Internal Quality Assurance Policy in postgraduate education works in the context of the 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. From the conversation with the dean, it was determined that the residents work in the clinics in a safe environment.

When interviewing the head of the Graduate Career Center Kulzhakhanov S.S. the experts evaluated the approaches to monitoring the employment of 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. The experts studied the results of a survey of graduates and employers about the level of satisfaction of employers and other stakeholders with the quality of training of residents.

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

Supervisor Department of Clinical Work Tulepbaeva G.S. reported to experts on the provision of resources for clinical practice and the work of residents, on cooperation with clinical bases. Gulzhan Sovetovna gave a description of mentoring in residency, representation of residents in the advisory bodies (CSR) of the university. The interview allowed the experts to learn about approaches to attracting employees of clinical bases for teaching residents, about the strategy and tactics of recruiting residents for different specialties, information security of postgraduate education, as well as identifying problems in the management and development of human resources, since most practicing doctors do not know the methodology. teaching.

Interview with chairperson of educational programmes committees Nurmakhanova Zh.M. and Ensegenova Z.Zh .. The experts found that the university strictly adheres to the requirements of regulatory legal acts and SES in the implementation of educational programmes, and the management systematically monitors this process during internal audits (QMS, mutual control, control of the vice-rector for academic work, reporting and etc.).

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.

In an interview with employers - representatives of practical health care (not affiliated with KazNMU) was attended by 16 employees and heads of medical institutions of Almaty, Kostanay regions, research institutes and the city of Almaty and Taldykorgan. Interviews with employers on all ICC residency study programmes declared for accreditation were conducted online and included such issues as: knowledge of the university mission, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of KazNMU, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, employment of residency graduates, etc. included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals for the strategic plan, participation in the deliberative bodies of KazNMU, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, 100% employment of residency graduates. Employers are interested in finding employment for graduates of residency in the specialty "Endocrinology, including children's". 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.

Employers are interested in finding employment for graduates of residency in the specialty "Endocrinology, including children's". 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. Employers are interested in finding employment for graduates of residency in the specialty "Endocrinology, including children's".

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, 3 residents were present at the interview, of which according to the programme "Endocrinology, including children's".

Interview with residents, students of the accredited educational programme took place in an online format, nevertheless, they managed to get answers to many questions. Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, opportunities to participate in research and development, funding, demonstrated competence in answering questions from foreign experts prof. R.A. Nasyrova (St. Petersburg) and Doctor of Medical Sciences, Associate Professor Ryzhkin S.A. (Moscow / Kazan).

Interview with residents (online)

No.	FULL NAME. resident	Speciality	Well
2nd group EEC (4 experts) Conference hall			
1	Belyavskaya Daria	Endocrinology, including children's	1
2	Monzavi Karbashi Aria		1
3	Zhandoskyzy Dinar		2
4	Tileubek Nuridin	Rheumatology, including children's	1
5	Kairbek Oralkhan		1
6	Zununova Zulfira		1
7	Kadirbergenov Adilbek	Nephrology, including children's	2
8	Egizova Zhazira		2
9	Malebek Zhansaya		2
10	Akanova Aidana	Cardiology, including children's	3
11	Nasipkazina Diana		1
12	Nasyrova Ramilya		1
13	Bauyrzhankyzy Zhuldyz	Psychiatry, including children's	1
14	Arysbayeva Albina Manarbekkyzy		2
15	Ismagulova Zamira Tolegenovna -09		2

The experts asked questions about satisfaction with studying at the university, sufficient time for practical training, supervision of patients and work with medical records, as well as satisfaction with teaching methods and qualifications of teachers. In general, residents are satisfied with the training, assessment methods, and purposefully entered this university, since they believe that KazNMU has excellent clinical bases and experience in teaching residents, at the same time, residents would like more independent work with patients, especially prompt assistance and more modern literature and interactive teaching methods when dealing with complex cases. Residents believe that they will receive a good education and will be able to work independently after graduating from the university.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgment on organizing training, assessing their skills, consulting support, opportunities to participate in research and development, funding, etc.). The

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

In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that KazNMU has good educational resources, image and international connections, at the same time, residents would like more independence in managing patients and holding international events.

Interview with the head of the library N.A. Modovov made it possible to assess the provision of the residency programme with educational, methodological and scientific literature, including electronic forms. So, according to the accredited programme, there is a sufficient number of textbooks in three languages (Kazakh, Russian, English), monographs. The university purchases journals in various directions, has access to international databases, including paid ones, which provides an opportunity for residents and teachers to participate in research and development and other events.

Interview with the manager of SRIFM Saliev Timur Muydinovich and deputy Balmukhanova Aigul Vladimirovna allowed the experts to learn about the scientific directions of the university, the system of motivation and participation in R&D of teachers of the departments of residency and residents, about the organization of R&D by residents on practice bases, the possibility of publishing R&D results of residents and teachers in journals, including university journals. KazNMU Bulletin.

Research Centre for Fundamental and Applied Medicine named after Atchabarov SRIFM, includes a vivarium, a research institute of fundamental and applied medicine, a laboratory, a scientific laboratory (centre) for collective use of a research institute of fundamental medicine (genetics), a centre for experimental pharmacology, a scientific clinical diagnostic laboratory. The Department of Science, Master's and Doctoral Studies, creates conditions for the development of the scientific potential of the University, research activities. Assignment of NJSC KazNMU the status of a research university that uses the results of its activities to integrate education and science,

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 bases: OUK No. 2 "Centre for Internal Diseases", Children's City Clinical Hospital No. 2, PSE on REM " SP No. 10", PSE on REM City Clinical Hospital No. 5. A review of resources showed that the clinical bases correspond to the goals and objectives of the accredited educational programme in terms of the profile of beds, the number of thematic patients, modern equipment and its availability to all students, and the department staff ensure collegial and ethical relations with the medical staff, the leadership of the clinical base to achieve the final results of the educational programme ... Clinical bases have 7 training rooms, despite the fact that most of the time residents spend at the patient's bedside and in departments. Before the start of the corresponding discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during training.

The experts studied the documentation on the educational programme "Endocrinology, including children's" at the link (www.kaznmnu.kz, website "Residency"), which confirmed the compliance with accreditation standards, including documentation on teachers and mentors of residents and at the request of members of the EEC. The Department of Endocrinology determines the appropriateness of using a particular teaching method to achieve the final result, which is displayed in the syllabus. Syllabuses are examined by the "Educational programmes (including teaching methods)" group of the CEP according to the approved Syllabus examination certificate (SOP "Compilation, discussion, approval of syllabuses" (Order No. 5 dated January 14, 2020). <https://kaznmnu.kz/rus/wp-content/uploads/2020/09/sop-razrabotka-obsuzhdeniutverzhdenie-sillabusa.pdf>).

The main methods of training residents in the specialty "Endocrinology, including children's", ensuring the integration of practical and theoretical components in NJSC "ICC" are: supervision of patients, medical records, work in various departments of medical and preventive organizations, participation in morning medical conferences, on rounds, councils, clinical analyzes. Analysis of case

patients, work in small groups, presentation of a clinical case for analysis or a pathological and anatomical conference, reviewing case histories, participation in scientific and practical conferences and seminars. Participation in role-playing and team games.

The expert visit included a visit 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. In the SC of the University, training and independent assessment of the clinical skills of residents are carried out on simulators, mannequins and virtual simulators. During the academic year, residents are scheduled to attend the SC, where they practice and improve their practical skills.https://mir3d.kz/KazNMU_3/index_ru.html#pano818/11.4/31.2/67.6... In the SC, practical skills are practiced, an exam by the OSKE type with the involvement of standardized patients. There is a separate room for independent examiners who assess the knowledge of residents through video-audio communication. At the same time, communication skills are assessed, residents demonstrate the practical skills and abilities acquired during the training and the ability to perform therapeutic and diagnostic manipulations, methods of cardiopulmonary resuscitation, possession of medical instruments and much more. Block of instrumental and functional diagnostics; cardiovascular system (taking and decoding ECG, ultrasound, etc.), gastrointestinal tract (ultrasound, etc.), respiratory diseases (reading X-rays, determining the function of external respiration, etc.), visual diagnostics, hematopoietic system, urinary and endocrine systems.

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 work curricula.

In order to validate the performance of the self-assessment report data and obtain evidence of the quality of the programmes, interviews were conducted with residency alumni on the zoom platform (<https://us02web.zoom.us/j/89193171988?pwd=QXJhc0tmaHZxeVJLS3ZPYmxCYU1iUT09>).

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.

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

The University operates Department of Youth Policy, the structure of which includes the Department for educational work and social support of students, a group for the development of student self-government, created on a permanent basis as an independent structural unit of the University, as well as "ART" centre, uniting student creative circles. An online meeting was held with the head of the youth policy department, Askarov Elnur, and questions were asked about the participation of residents of the accredited programme in the volunteer movement, helping patients with COVID-19, and image work.

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

Comments were made by the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Morenko M.A. a final open vote was held on recommendations to improve the educational programme of residency 7R01180 - "Endocrinology, 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.

An observer from ECAQA on May 26, 2021 conducted an online survey of residents and teachers on the resource <https://webanketa.com/...>

QUESTIONNAIRE RESULTS OF NJSC "KAZAKH NATIONAL MEDICAL UNIVERSITY NAMED AFTER S.D.ASFENDIYAROV" (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.

82.5% of residents are fully provided with the necessary educational literature, 13% answered that it is partially, while 2.5% believe 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 they are currently engaged in scientific work under the guidance of their teacher or mentor, 13.5% have started planning the implementation of scientific research, 11% have not yet decided on the topic of scientific research, 2.5% have no desire to engage in scientific 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 methodological 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%) conduct 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.

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, the implementation of the activities of the KazNMU visit programme from May 26 to 28, 2021 was analyzed. All information received was compared with the data of the self-assessment report, the information was validated for each criterion accreditation standards and verification of the indicators of the Attachment to the self-assessment report, which made it possible to ensure the reliability of the information provided by the university and confirming compliance with the ECAQA Accreditation Standards.

Despite the fact that in the report on the self-assessment of the educational programme, the NCIE described its 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](https://drive.google.com/drive/folders/1FjbOSq-JcHvquVn42DkTdJ5p-VCFLmbb?usp=sharing), experts reviewed more than 25 documents, as well as during an external expert assessment, members of the EEC studied the main documents (mission, strategic plan until 2023, teaching materials of disciplines, syllables, control and measuring instruments, checklists, portfolio of residents, individual plans of residents for 2019-2020 academic year, publications of teachers, rules for admission to residency, personnel policy, an internal quality assurance system programme, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for residents to work with literature, patient documentation, educational and methodological literature), resources on residency on the website <https://kaznm.kz/>, which made it possible to identify the compliance of the educational organization's activities with 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 accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

In connection with the new edition of order No. 647 On the approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated 02.21.No. KR DSM-12/2020Chapter 2. Requirements for the content of residency educational programmes with a focus on learning outcomes), there have been changes and additions in the educational programme in relation to the development of the research competence of residents, which must participate in the work of the research team. In this regard, the experts assessed the involvement of residents in research. The departments carry out proactive R&D in which residents participate through writing reviews, collecting patient data, analyzing the literature and patient examination results, preparing reports and presentations at conferences). Also, in accordance with article 222 Residency of clause 4 of the Code of the Republic of Kazakhstan On people's Health and the health care system dated July 7, 2020 No. 360-VI ZRK, external experts studied the activities and conducted conversations with mentors of residents, and it was established that

All educational, methodological, personnel and resource bases were assessed for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was

possible to determine their direct participation in the development, evaluation of educational programmes, decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for the admission and assessment of residents, the development of the content of individual plans of residents and the selection of mentors.

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

The programme of the 3-day visit (May 26-28, 2021) of the external expert assessment of the EEC has been completed in full. On the part of the university staff, the participation of all persons indicated in the programme is ensured.

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

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

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational residency programme in the specialty "Endocrinology, including children's" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

Mission of the educational programme (EP) in the specialty 7R01180 "Endocrinology, including children's" is aimed at realizing the mission of the University by training a qualified doctor in endocrinology with a system of universal knowledge and professional competencies, capable and ready for independent professional activity in the treatment of endocrine diseases.

The educational programme was presented for approval to interested parties, approved at the department and approved by the CEP of postgraduate education. Requirements for the level of training of graduates of residency in the specialty 7R01180 - "Endocrinology, including children's" are formulated in the EP.

The mission of the programme was brought to the attention of the authorized bodies in the field of medical education and health care, the academic community, students and other interested parties by publishing on the official website of the university (www.kaznmu.kz, website "Residency"),

hanging on information stands of divisions, publications in reference books, guides and booklets of the selection committee.

The University has all the resources necessary to form professional qualities and achieve the final results stated in the mission of the educational programme in accordance with national and international requirements and the needs of the health sector.

Teaching of academic disciplines in EP 7R01180 - "Endocrinology, including children's" is based on modern achievements in science and practice, as well as modern educational technologies, involving the construction of educational trajectories in accordance with the competence-based approach and the introduction of active teaching methods.

Currently, 7 residents are studying in residency (4 - first year, 3 - second year) in the specialty "Endocrinology, including children's". However, taking into account the coronavirus infection pandemic, the number of bases was reduced to four: The relationship between the University and the student is regulated by the "Internal Regulations of Residents at KazNMU" (protocol No. 7 of

10/14/2019) and the contract for the provision of educational services, which is concluded with each student upon admission to the University.

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

Strengths:

1. Diversified cooperation in the preparation of residents.
2. Clinical bases located in different regions of Kazakhstan;
3. A clear management structure and strategic planning in postgraduate education in the clinical direction.

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely - 13, significantly - 4, partially - 0, do not correspond - 0.

Standard 1: completed

Recommendations for improvement identified during the external visit: none

Standard 2: EDUCATIONAL PROGRAMME

Training of residents in the specialty "Endocrinology, including children's" is carried out in accordance with the name of the programme and specialty according to the State Educational Standard of the Republic of Kazakhstan dated 02.21.2020. The programme is included in the register of the Ministry of Education and Science (MES RK), has passed an external independent examination.

The University has a certificate of ISO 9001: 2015 accreditation "Educational activities in the field of higher and postgraduate education; medical services, fundamental and applied scientific research in the field of medicine ", valid until 06/18/2023. The educational programme of the specialty "Endocrinology, including children's "is based on a competence-based approach, a combination of theoretical knowledge and practical skills, the wide use of innovative technologies in the educational process in conducting classes.

Residency training is carried out taking into account the principles of continuity with basic medical education (bachelor's degree, internship) and continuing medical education in the chosen specialty.

The University has created a qualitatively new level of medical education by reforming and improving the educational process on the basis of a competence-based approach. EP has a pronounced practice-oriented approach, which is a progressive trend in training specialists for practical health care.

The educational programme in the specialty 7R01180 "Endocrinology, including children's, was developed taking into account the proposals of employers and other interested parties, based on an analysis of the needs of practical health care. The educational programme is compiled in accordance with the professional and scientific requirements for special professional competencies, it is periodically reviewed, contributes to the formation of universal and professional competencies of the resident.

(<https://kaznmu.kz/rus/wp-content/uploads/2020/09/sop-razrabotka-obsuzhdenieutverzhdenie-sillabusa.pdf>).

The trajectory of a resident's education and a stepwise approach to mastering practical skills on the basis of the principle "from simple to complex" are clearly spelled out in all disciplines of the EP.

The EP of residency meets international requirements, level 7 of the national qualifications framework in medical education and the Qualifications Framework in the European Higher Education Area. By order of the rector No. 231 of September 16, 2019, the University developed the Regulation on mentoring. Mentors are employees of the Department of Endocrinology and doctors of practical health care of clinical bases and polyclinics.

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

Strengths:

1. Flexibility in the implementation of the educational programme;
2. Taking into account the needs of practical health care in the development of electives;
3. Patient orientation and safety of the learning environment;
4. Using innovative teaching methods to build clinical skills, including a simulation room and WETLAB

Conclusions of the EEC on the criteria. Out of 31 standards conform: completely - 26, significantly - 5, partially - 0, do not correspond - 0.

Standard 2: completed

Recommendations for improvement identified during the external visit: To intensify the introduction of innovative teaching methods.

Standard 3: ASSESSMENT OF STUDENTS

The policy and procedure for assessing learning outcomes within the EP is carried out using criteria developed in accordance with the goals and objectives for the implementation of the EP and awarded qualifications within the framework of the current point-rating system for assessing knowledge and monitoring the educational process in accordance with directive, regulatory and internal documents ... Stakeholders are involved in assessing the knowledge of residents through independent examination and other assessment methods. There is an opportunity to improve the methods for assessing residents. The EP of residency in the specialty 7R01180 "Endocrinology, including children's" was developed according to the State Standard of Education (order No. 647 of the Ministry of Health of the Republic of Kazakhstan, as amended on February 21, 2020, order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-12/2020), is designed for 140 credits: major disciplines - 132 credit, optional component - 4 credits, interim certification - 2 credits, final certification - 2 credits. The component of choice is determined taking into account the goals set for the national health care by the State Programme for the Development of Health care of the Republic of Kazakhstan for 2020-2025 and topical issues of medicine. There are 2 disciplines to choose from "Features of the course of endocrine diseases in pregnant women" - 4 credits and "New opportunities for the treatment of type 2 diabetes" - 4 credits.

The methods used to assess the competencies of residents are defined in syllabuses by discipline, which are discussed at cathedral meetings and CEP.

Residents who have completed their training in the educational programme of residency and passed the Final State Attestation are awarded the qualification of an endocrinologist (child, adult) and graduated a state-recognized document. The policy and methods for assessing residents are considered and approved at a meeting of the Committee for Quality Assurance of Educational Residency Programmes in NJSC KazNMU.

Responsibility for the implementation of the policy for assessing the educational achievements of residents is borne by the teaching staff of the departments, heads of departments, the internship and residency centre, the office of the registrar. Employees, residents and representatives of practical health care are involved in the management of educational programmes through their inclusion in advisory bodies and through regular opinion polls.

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.

The quality of the control and measuring instruments is subject to a multi-stage check. The use of the Sirius electronic system and the office of the registrar contributes to digitalization, transparency of methods for assessing residents.

Thus, during the visit, the experts established the compliance with the basic criteria of the accreditation standard. A catalog of elective disciplines is formed annually, taking into account the needs of practical health care. Residents work with real patients to develop professional competence in various clinical settings - research institutes, highly specialized, multidisciplinary hospitals, polyclinics, simulation centres are used to improve skills. Onsite training facilitates the employment of residents, allows you to monitor the employment process, track the trajectory of the graduate and determine the needs of the employer and the quality of training. Participation of representatives of practical health care in the preparation of work programmes.

There is an approved procedure for monitoring progress, the procedure for conducting intermediate and final certification of students, regulations on the NSC, work plans, reports, minutes of the meeting, lists of students involved in research, student achievements.

Strengths:

1. Transparency and accessibility of the assessment policy and procedure;
2. The department strives to improve the quality of care provided by residents during the entire period of study through regular feedback from patients, medical staff, teachers.

Conclusions of the EEC on the criteria. Conform out of 11 standards: fully - 8, significantly - 3, partially - 0, do not correspond - 0.

Standard 3: completed

Recommendations for improvement identified during the external visit: No

Standard 4: STUDENTS

Admission to residency in the specialty "Endocrinology, including children's" is carried out in accordance with the Standard Rules for admission to training in educational organizations that implement professional training programmes of postgraduate education. The admission policy for residency at the University is regularly reviewed in connection with the introduction of additions and changes to the current regulatory legal acts of the Republic of Kazakhstan. Changes regarding admission to residency are reflected in the Academic Policy of the university, in the admission rules.

The admission of applicants for residency is carried out on a competitive basis based on the results of entrance examinations. Scientific achievements corresponding to the profile of the chosen specialty are also taken into account.

An analysis is carried out annually of the needs of health care in the Republic of Kazakhstan for specialists in a specific area of medicine (demographic and medical statistics, reports of regional health departments of the Republic of Kazakhstan).

In order to facilitate the employment of graduates of the University, the Alumni Career Centre annually conducts Personal distribution of graduates with the participation of representatives of health departments, pharmaceutical companies and departments for public health protection of the Republic of Kazakhstan.

The conditions for admitting residents are described in detail in the "Rules for admission to residency" for the corresponding academic year, based on regulatory legal acts. The number of residents is determined based on clinical training opportunities as well as the needs of practical health care.

The admission of applicants for residency is carried out on a competitive basis based on the results of entrance examinations. The possibility of training and the recruitment of residents give the goals, strategies, conditions, means and human resources of the University, and directly the clinical departments.

On the basis of feedback from residents, it is planned to carry out the correction of plans, topics of EP, control and measuring instruments. The EP maintains a balance of all types of activities: supervision of patients in a hospital, work in an emergency room, work in an outpatient setting.

The selection procedure for residents ensures transparency and equality of access to postgraduate education, demonstrates respect and attention to different groups of students and their needs, the possibility of flexible learning paths, and provides assistance and assistance in various life situations of residents.

Strengths:

1. For students (residents), conditions are provided for the successful development of EP - an internal microclimate, social guarantees, mentoring, appropriate training resources and support services for residents

2. The residency programme develops the research, pedagogical and educational skills of residents.

3. During training, residents can work in their free time as a doctor, laboratory assistant.

4 .. The use of the Sirius electronic system promotes digitalization, transparency of methods for assessing residents, and avoids unnecessary paperwork.

Conclusions of the EEC on the criteria. Out of 30 standards conform: fully - 22, significantly - 8, partially - 0, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit: No

Standard 5: ACADEMIC STAFF / FACULTY

The information provided by the university on the standard contains a policy for the selection and recruitment of teachers; leaders and mentors (mentors), which determines the required experience; criteria for scientific, educational, pedagogical and clinical achievements, including the balance between teaching, scientific activities and specialist qualifications; their responsibility; duties of employees. The university, in its policy of selecting teachers, takes into account the mission of the educational programme, the needs of the education system and the needs of the medical care system.

The faculty of the Department of Endocrinology is formed based on the needs for the effective implementation of educational programmes and the total volume of the study load.

The requirements of personnel policy for the teaching staff and teachers who carry out training in residency comply with the Charter and the policy of providing human resources of KazNMU.

The faculty of the departments consists of highly qualified employees, experienced clinicians with scientific achievements, medical qualifications, who are experts in the field of practical health care and medical education. The personnel policy of KazNMU is guided by the following normative legal acts: "Personnel policy of KazNMU"; "Rules for the assessment of scientific and pedagogical personnel of KazNMU"; "Qualification requirements for the positions of the teaching staff of KazNMU."

<https://kaznm.kz/rus/wp-content/uploads/2020/02/pravila-ocenki-nauchno-pedagogicheskikh-kadrov-kazahskogo-nacionalnogo-medicinskogo-universiteta-i-sd-asfendimeniyarova-4.pdf>

<https://kaznm.kz/rus/wp-content/uploads/2020/02/kvalifikacionnye-trebovaniya-pps.pdf>

The personnel policy of the university has been developed. The competitive selection of candidates for the positions of scientific and pedagogical personnel and clinical mentors is carried out on the basis of an analytical generalization of the results of the activities of the applicants. There is a system of permanent certification of the teaching staff. Teachers, as well as clinical mentors working with resident endocrinologists have the first and highest category, academic titles.

The work of the teaching staff of the residency is carried out according to the individual plans of the teachers.

Strengths:

1. The administration of the University optimizes the balance between teaching, research and medical care;
2. The university provides a faculty / resident ratio sufficient for effective teaching and learning.
3. The faculty of the departments consists of highly qualified staff, experienced clinicians with scientific achievements, medical qualifications, who are experts in the field of practical health care and medical education.

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

Standard 5: completed

Recommendations for improvement identified during the external visit:

1. To resume academic mobility of teaching staff.

Standard 6: EDUCATIONAL RESOURCES

To carry out professional training of resident doctors in the specialty 7R01180 "Endocrinology, including children's", the University has a sufficient and appropriate material and technical base, information resources, educational and information technologies, resources for the clinical training of residents and for scientific research. The material and technical base of the University includes: lecture halls, study rooms, educational and research laboratories, a library, information technology facilities, premises for the cultural and social sphere. The University guarantees a sufficient level of available information resources and technologies to ensure effective planning, management and implementation of educational programmes and services,

KazNMU has a scientific library [https://lib.kaznmu.kz/...](https://lib.kaznmu.kz/) The area of the library is 6386 m² (library premises - 5396 m², book storage - 902 m²). The library consists of 5 sections: reference and bibliographic; acquisition and storage of literature; scientific processing of literature and cataloging; automation and electronic resources; subscriber department for students of all courses of study.

The University has signed cooperation agreements with 104 medical organizations:

The formation and development of the clinical skills of residents is carried out in the form of patient management, functional tests, participation in morning conferences, clinical reviews and consultations.

Thus, the adequacy of the material and technical base, clinical bases, the number and profile of patients to ensure the clinical training of residents is ensured by all structural divisions of the university involved in the implementation of the EP: departments / modules, the department of educational and methodological work, the department for clinical work, the department of research and development management, library. When developing and updating syllabuses, an analysis of the compliance of the provision of disciplines with the necessary material and technical resources, literature, and the profile of departments of clinical bases is carried out. In accordance with the analysis carried out, taking into account the identified needs and shortcomings, a work plan is drawn up for each unit.

Strengths:

1. A wide selection of clinical sites and the possibility of rotation in various medical institutions, including private clinics;
2. Developed information and communication technologies (site of the NJSC "KazNMU", access to the RMEB, KazNEB, ScienceDirekt, Scopus, EBSCO, etc.);
3. Developed formal and informal relations with the relevant national and international organizations of education and science.

Conclusions of the EEC on the criteria. Conforms out of 21 standards: fully -17, significantly - 4, partially - 0, do not comply - 0

Standard 6: completed

Recommendations for improvement identified during the external visit: No

Standard 7: PROGRAMME EVALUATION

Evaluation of educational programmes of residency is carried out taking into account the mission of educational programmes of residency in accordance with the mission and development strategy of the university, aimed at high-quality training of highly specialized, competitive specialists of a new generation with a high level of professional competence, based on the principles of continuous development and the trinity of education, practice and science.

Responsibility for the selection of the staff of teachers that meet the qualification requirements, the profile of the specialty is assigned to the personnel department. Control over the improvement and development of the competencies of teachers, conducting advanced training of teachers of residency is carried out by the ONPR.

Every year, at the request of residents and employers, the catalog of elective disciplines is updated. Feedback results are analyzed, discussed at meetings of departments, CEP, AC, Senate, published on the university website (www.kaznmu.kz).

In the NJSC KazNMU monitoring and evaluation of the implementation of the educational residency programme is carried out on the basis of the collective solidarity of all stakeholders and employees of the university. At the stage of planning the educational process in the specialty of residency, it is responsible for checking the working curricula for compliance with the requirements of state educational standards.

Responsibility for ensuring the quality of the educational process rests with the heads of departments / heads of modules, chairperson of the CEP. The organization of the quality control system is entrusted to the deans, EMD, DAR. The quality of the training is assessed by a group of independent experts (at the request of the COPs and / or specialized educational departments). The monitoring of the quality of the educational process and the satisfaction of consumers of educational services is carried out by CEP experts.

The University has developed mechanisms for the approval of educational programmes, providing for the assessment of programmes at the stages of planning, implementation, analysis of results and implementation of changes, which allows monitoring the process of implementation of the EP and the progress of residents, and ensures the identification and timely solution of emerging problems.

Thus, in participation of a wide range of stakeholders in the assessment and improvement of educational programmes at KazNMU is provided by authorized bodies in the field of education and health (MoH RK), representatives of the public, professional organizations, as well as persons and structures responsible for postgraduate education

Strengths:

1. The University ensures the transparency of the process and results of the evaluation of the educational programme for the management and all interested parties;
2. The University develops mechanisms for collecting and analyzing feedback on the quality of the educational programme from teachers, residents, employers.
3. External and internal assessment of the educational programme is carried out by leading specialists of the Republic of Kazakhstan in the field of endocrinology;

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

Standard 7: completed

Recommendations for improvement identified during the external visit: No

Standard 8: GOVERNANCE AND ADMINISTRATION

Responsibility and duty of the management and employees of NJSC "Asfendiyarov KazNMU" are determined by the current legislation of the Republic of Kazakhstan, internal regulations of the University. In accordance with the Rules for the development of the regulations of the structural unit and job descriptions of employees of the University, regulations on the department were developed and approved, defining the structure, goals, tasks, functions, responsibilities, internal and external interaction of structural units, as well as job descriptions of employees in accordance with the staffing table. Leadership in the system of higher, postgraduate and continuing medical education of the Republic of Kazakhstan, a long history of the existence of the university; high demand for university graduates in the region;

The Department of Endocrinology, when implementing the EP, interacts with all structural units in accordance with the Organizational Structure of the University. There is an effective monitoring system of the University's activities, developed in accordance with the recommendations of international standards. Ensuring the quality of the educational process in residency is determined by the fulfillment of the mandatory requirements for the level of training (SCES 2017, 2020), educational programmes) and the creation of a monitoring system for the effectiveness of the teaching staff and the implementation of the resident's IEP (open classes, intra-department control).

The university implements international standards and innovative technologies in educational processes. Self-assessment results are used for analysis to address gaps, strategy development, quality policy and revision of organizational management structure and functions. Monitoring of the EP is carried out taking into account the views of stakeholders, which ensures the effectiveness of the assessment procedure and the timeliness of changes.

Strengths:

1. Continuous organizational, coordination and administrative work aimed at achieving the mission and goals;
2. The University guarantees transparency of management and decision-making;
3. The University ensures that the programme meets the needs of public health and the provision of medical services.
4. Stable financial condition of the university;

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 11, significantly - 4, partially - 0, do not correspond - 0

Standard 8: completed

Recommendations for improvement identified during the external visit:

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 strategy provides for a constant 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. All areas of the University's activities are regulated by corporate documents (Procedures, Regulations, Instructions, etc.).

The University strives not only to provide high-quality training of specialists and provide opportunities for retraining of personnel for health care in connection with the introduction of new innovative technologies in production, but also tries to achieve the greatest possible customer

satisfaction. The University's management strives to prevent emerging problems and their causes by improving the internal control system and risk management.

A university development programme is available; sufficient material and technical equipment; sufficient library fund; access to international full-text electronic databases; sufficient funding for educational programmes.

Strengths:

1. A well-known brand of the university, strong traditions of training residents;
2. Availability of a certified quality management system, including regular internal and external reviews and audits;
3. The presence of partnerships and agreements on cooperation with foreign universities;

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

Standard 9: completed

Recommendations for improvement identified during the external visit: no.

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

5. Recommendations for improving educational residency in the specialty 7R01180 "Endocrinology, including pediatric:

Standard 2

1. To intensify the introduction of innovative teaching methods

Standard 5

1. To resume academic mobility of teaching staff.

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 "**Endocrinology, 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

Zhumalina Akmaral Kanashevna

Academic expert

Kudabaeva Khatimya Ilyasovna

Academic expert

Abdullina Venera Ravilevna

Academic expert

Igimbayeva Gauhar Tleubekkyzy

Academic expert

Kabildina Nailya Amirbekovna

Academic expert

Kusainova Faridat Azymovna

Academic expert

Bacheva Irina Viktorovna

Academic expert

Maukaeva Saule Boranbaevna

Academic expert

Ospanova Nargul Narimanovna

Expert - representative of employers

Sergeeva Elena Nikolaevna

Expert - representative of residents

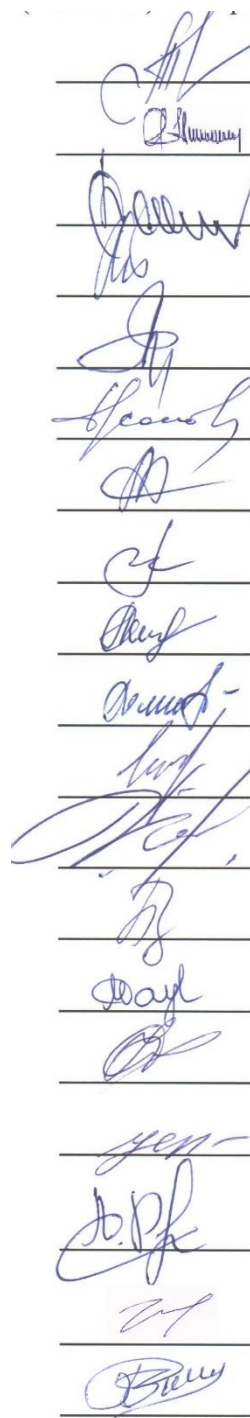
Diana Abbasova

Expert - representative of residents

Ilyasov Eldar Rashitovich

ECAQA Observer

Sarsenbayeva Dariyabanu Bulatovna



Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty
7R01180 "Endocrinology, including children's" of NJSC "Asfendiyarov KazNMU"

Standard	Criteria for evaluation Number of standards = BS * / SI	TOTAL	Grade			
			Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	MISSION AND END OUTCOMES	17	8/5	2/2		
2.	EDUCATIONAL PROGRAMME	31	19/6	3/2		
3.	ASSESSMENT OF STUDENTS	11	6/3	1/1		
4.	STUDENTS	30	14/8	4/4		
5.	ACADEMIC STAFF /FACULTY	7	4/2	1/0		
6.	EDUCATIONAL RESOURCES	21	8/9	2/2		
7.	PROGRAMME EVALUATION	15	4/3	6/2		
8.	GOVERNANCE AND ADMINISTRATION	15	7/4	1/3		
9	CONTINUOUS RENEWAL	4	1/2	0/1		
	TOTAL	151	71/42	20/17		

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

No.	Names of documents	Quantity	Date of approval (if applicable)
1.	Regulations on the academic mobility of students, teachers and staff		11.11.2019 Minutes No. 9
2.	"The rules of the internal order of students of the NJSC "Asfendiyarov KazNMU"		14.10.2019 Minutes No. 7
3.	The policy and goals of the NJSC "Asfendiyarov KazNMU" in the field of quality for 2019-2021		28.08.2019 Minutes No. 14
4.	Analysis of the results of intermediate certification of residents of 1-4 courses of the 2019-2020 academic year		-
5.	Residency educational programme in the specialty 7R01180 - "Endocrinology, including children's"		Order No. 366 of 24.08. Feb 2020
6.	Strategic development plan of the NJSC "Asfendiyarov KazNMU"		Additions and changes 05/30/2018
7.	Mentoring clause		Order No. 231 dated September 16, 2019