

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
7R01125 "TRAUMATOLOGY AND ORTHOPEDICS, INCLUDING CHILDREN'S"
OF "ASFENDIYAROV KAZAKH NATIONAL MEDICAL UNIVERSITY "
FOR COMPLIANCE WITH STANDARDS OF 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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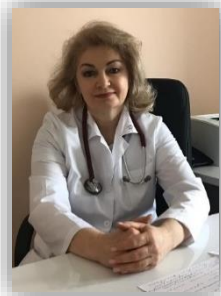
LIST OF SYMBOLS AND ABBREVIATIONS:

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

1. Composition of the External Expert Commission

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



Chairperson of the External Expert Commission

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

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

Foreign expert (online)

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



Foreign expert

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



National academic expert

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





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



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



National academic expert
ZHANALINA BAHYT SEKERBEKOVNA,
Doctor of Medical Sciences, Professor of the
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NJSC "West Kazakhstan Medical University
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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
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"



National academic expert
KUDABAEVA KHATIMIA ILYASOVNA,
Candidate of Medical Sciences, Professor
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National academic expert
ABDULLINA VENERA RAVILEVNA,
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National academic expert

IGIMBAEVA GAUKHAR TLEUBEK KYZY,
Candidate of Medical Sciences, Professor,
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on the Issues of Mortality Reduction from BSC
of the Ministry of Health of the Republic of
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(Turkey-Kazakhstan)



National academic expert

KABILDINA NAILA AMIRBEKOVNA.
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National academic expert

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Candidate of Medical Sciences,
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LLP "Institute of Reproductive Medicine",
Almaty



National academic expert

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



National academic expert

MAUKAEVA SAULE BORANBAEVNA,
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NJSC "Semey Medical University"



National academic expert

OSPANOVA NARGUL NARIMANOVNA,
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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.



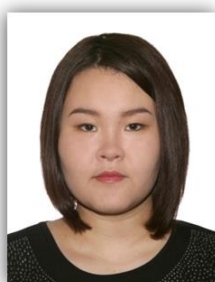
Expert - resident representative

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 General 7R0112 - "Traumatology and orthopedics, including children's» of KazNMU for compliance with the 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 7R01125 -" Traumatology and orthopedics, including children "

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). 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.

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 7R01125 - "Traumatology and orthopedics, including children's» 14 people. In 2019 and in 2020dah 158 and 146 residents were graduated respectively, in the specialty "Traumatology, including children's» 6 in 2020

The total number of teachers involved in the educational process of residency in the above specialty is 6 people, among them Doctor of Medical Sciences - 1, Candidate of Medical Sciences - 2, without a degree (presence of a medical category) - 2, without a degree and a medical category - 1.

2.2 Information on previous accreditation

Accreditation of the educational residency programme in the specialty "Traumatology, 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 7R01125 - "Traumatology and orthopedics, 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 is presented on 134 pages of the main text, as well as applications on 163 pages, 4 applications in PDF form, electronic versions of documents by reference to googledisk.

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 7R01125 - "Traumatology and orthopedics, including children's», while the beginning of training from 2018 in 2019-2020 2020-2021. learns 14 and 23, respectively.

The self-assessment report contains reasoned data, examples of the implementation of the objectives of the educational programme, the assessment of residents, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the number of residents, teachers, administration, information about the selection and admission, the results of training, the results of the assessment of knowledge and skills, the material and technical base of the university and clinical bases, contractual obligations with partners (medical organizations, practice bases, universities), financial information, plans for development and improvement, etc.

Conclusion on each of the 9 accreditation standards includes a description of the strengths and areas for improvement identified in the course of introspection and development prospects for 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 7R01125 - "Traumatology and orthopedics, including children's» was organized in accordance with the Guidelines for the external assessment of educational institutions and educational programmes of ECAQA (approved by order of the Director General of the NU "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 from 17.02.2017) and according to the programme and schedule approved on 11.05.2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector prof. Nurgozhin T.S.

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC used the following methods: interviews with management and administrative staff, interviews with residents and teachers, observation, studying the website, interviewing employees of various structural units, questioning teachers and residents, reviewing resources with a visit to clinical bases in the context of the implementation of accreditation standards, attending practical (seminar) classes of residents, including online in a pandemic, studying regulatory and educational documents both before a visit to KazNMU and during a visit.

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

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

N o.	FULL NAME.	Position
1.	Nurgozhin TA	MD, prof. Rector of NJSC Asfendiarov KazNMU
2.	Bayldinova K. Zh	Vice-Rector for Academic Affairs
3.	Baymakhanov A.N.	Dean of the Faculty of Postgraduate Education
4.	Tusupbekov S.K.	Director of the Department of Academic Affairs
5.	Kulzhakhanov S.S	Head of the Alumni Career Centre

6.	Nagasbekov B.S	Head of Human Resources Development Department
7.	Sapakova M.M.	Head of HR Department
8.	Tulepbaeva G.S.	Head of Department of Clinical Affairs
9.	Nurmakhanova Zh.M.	Chairperson of the committees of educational programmes
10.	Ensegenova Z.Zh	Chairperson of the committees of educational programmes
11.	Ruslan Roziev	Resident in the specialty "Traumatology and orthopedics, including children's" 3rd year of study
12.	Maksutov Rinat	Resident in the specialty "Traumatology and orthopedics, including children's" 3rd year of study
13.	Omirshe Olzhas	Resident in the specialty "Traumatology and orthopedics, including children's" 3rd year of study
14.	Mongol Anarbek Mongolkhanovich	Chief Physician Taldykorgan
15.	Abu Jazar Usama Mukhamedovich	Associate Professor of the Department of Traumatology and Orthopedics

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

Meeting with the Dean of the Faculty of Postgraduate Education Baimakhanov A.N. and Director of the Department for Academic Work Tusupbekova S.K. allowed experts to find out how the PInternal 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 - Erasmus + academic exchange programme, Academic mobility of teaching staff at Saratov State Medical University, Academic exchange programme "Mevlana" for residents and teaching staff of KazNMU, Master's and doctoral programme under the Bolashak programme at Trinity College Dublin, Ireland for mutual recognition of learning elements and academic exchange learners... 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. experts assessed approaches to implementation of 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 on the satisfaction of employers and other interested parties with the quality of training of residents.

Interview with the head of the human development department **resources** 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.

Supervisor Department of Clinical Work Tulepbaeva G.S. reported to the experts on provision of resources for clinical practice and work of residents, on cooperation with clinical bases. Gulzhan Sovetovna gave a description of mentoring in residency, representation of residents in the consultative and advisory bodies (CAB) of the university.

Interview with chairperson of educational programmes committees Nurmakhanova Zh.M. and Ensegenova Z.Zh.

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, the interview was attended by residents, of whom according to the programme **7R01125** - "Traumatology and orthopedics, including children's»

Interview with 3 residents, students on the accredited educational programme took place in an online format, nevertheless, it was possible to get answers to such questions as - the quality of the taught discipline, satisfaction with the training base, access to the operating room, the completeness of the coverage of the thematic topics in the taught discipline, participation in the scientific developments of the department, etc.

Experts asked questions about satisfaction with training at KazNMU, sufficient time for supervising patients, work in Damumed with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need of this, availability of international databases of professional literature by the resource. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that KazNMU has good educational resources, image and international connections, at the same time, residents would like more independence in managing patients and holding international events.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, opportunities to participate in research and development, funding, demonstrated competence in answering questions from foreign experts prof. R.A. Nasyrova (St. Petersburg) and Doctor of Medical Sciences, Associate Professor Ryzhkin S.A. (Moscow / Kazan).

Interview with the head of the library N.A. Modovov allowed us to estimate provision of the residency programme with educational, methodological and scientific literature, including electronic forms. So, according to the accredited programme, there are 2 textbooks, 3 monographs, the university acquires a professional journal, there is access to 5 databases, which provides an opportunity for residents and teachers to participate in research and development and other events.

Interview with the manager of SRIFM named after Atchabarov 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

One of the important tools for accreditation expertise is the conduct and **interviews with employers - representatives of practical health care**, which are not affiliated with KazNMU. A total of 16 people were interviewed, including 1 in discipline **7R01125** - "Traumatology and orthopedics, including children's»... In the course of the interviews, it was possible to establish that the employers are satisfied with the quality of training of graduates of residency and are waiting for them after graduation in their clinics, especially in rural areas.

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 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, etc.

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: 4 city clinical hospital.

A review of resources showed that the university's clinical base for the implementation of an accredited educational programme, available for review at the time of an external visit, corresponds to the goals and objectives, since the clinic has a sufficient number of thematic patients, modern equipment and demonstrates accessibility to students, and employees who perform at the same time 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 training.

The experts examined the documentation on the educational programme **7R01125** - "Traumatology and orthopedics, including children's» link <https://drive.google.com/drive/folders/1FjbOSq-JcHvquVn42DkTdJ5p-VCFLmbb?usp=sharing>, which confirmed the compliance with accreditation standards, including documentation of teachers and resident mentors, and at the request of EEC members.

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

The expert visit included a visit **simulation center of KazNMU**, located on Shevchenko street and equipped with 500 units. modern equipment. The area of the centre is over 2.7 thousand square meters. meters. For the implementation of the residency programme in the specialty**7R01125**- "Traumatology and orthopedics, including children's", the simulation centre has dummies on which residents can form and develop practical skills. 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.

A visit to the School of Pediatrics and an interview with the dean of the School of Pediatrics, Saule Ilyasovna Sydykova, took place.

Interview with teachers, as providers of the residency programme, showed that there are both successes and problems in the management of the educational programme, since the main developer of programmes and educational and methodological documentation is **Dean's office of postgraduate education** and trainers are more involved in resident hands-on training and mentoring. In order to verify the data of Standard 5, external experts obtained information about personnel policy and approaches to the development of pedagogical competence of teachers, motivation for working with residents, and mentoring. 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.

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

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

The third day of the visit - May 28, 2021

An online meeting was held with the head of the youth policy department, Askarov Elnur, and questions were asked about the participation of residents of the accredited programme in the volunteer movement, helping patients with COVID-19, 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 assessment of the educational programme of residency in the specialty 7R01125 -" Traumatology and orthopedics, including children's "in accordance with the ECAQA accreditation standards.

No comments were made by the EEC members. Recommendations for improving the postgraduate education sector as a whole and the department implementing the educational programme were discussed. A draft report with recommendations was prepared.

By the chairperson of the EEC prof. Morenko M.A. a final open vote was held on recommendations to improve the educational programme of residency 7R01125 - "Traumatology and orthopedics, 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 the ECAQA conducted an online survey of residents and teachers-mentors of the NJSC "Kazakh National Medical University. S. D. Asfendiyarov "(KazNMU) on the resource <https://webanketa.com/>, which included 24 questions, allowing to draw conclusions about the attitude of respondents to the organization of the educational process and determine the existing problems.

Residents survey results:

The total number of responding residents - 200...

Of the respondents, 93 (46.5%) are residents of 1 year of study, 66 (33.0%) - 2 years of study, 31 (15.5%) - 3 years of study.

According to the results of the survey, 83.0% of respondents fully agree that they will recommend this institute as an educational organization, partially agree - 15.5%, 1.5% - will not recommend this institute as an educational organization Fully agree with the statement that programme managers and teachers are aware about problems related to training, 83.5% of residents, and 14.0% - partially agree, 1.0% - completely disagree with this statement, 1.5% - doubt the answer.

78.0% of residents are fully satisfied with the conditions and equipment of classrooms, classrooms of this educational organization, partially - 14.5%, 3.5% - completely disagree with this statement, 3 % - partially dissatisfied, 1.0% - doubt the answer.

Programme managers and teachers involve students in the work of advisory bodies (methodological council, Academic Council, CEP) - yes, constantly - 86.5%, no, not involving 4.0%, I don't know anything about it - 3.5%, I doubt the answer, and sometimes 3.0% each.

I personally have access to equipment (educational and real) in order to master practical skills in the specialty: 81.5% - fully agree with this statement, 7% - fully agree with this statement, 2.5% - completely disagree with this statement, 6.5% - partially I do not agree with this statement, 2.5% - I doubt the answer.

We fully agreed with the statement that teachers provide students with methodological and didactic materials, additional literature to prepare for classes, 86% of respondents, and 10.5% expressed partial agreement, 2% - completely disagree with this statement, 1.5% - I doubt the answer.

73.5% of residents are completely and 20.5% are partially satisfied with the library fund, not completely satisfied - 1.5%, partially dissatisfied - 2%, no answer - 2.5%.

87% of the respondents are completely satisfied with the organization of practical training, and 8.0% - partially, disagree completely - 2%, 1.5% each - partially agree and doubt the answer.

Satisfaction with the organization of teaching: 83.5% of residents are completely satisfied, 14.5% are partially satisfied, and 1.5% are completely dissatisfied, doubts the answer - 0.5%.

The schedule of training sessions is fully satisfied with 85.0% of respondents, 14.0% - partially, no, and I doubt the answer for 0.5%. 91.5% of residents are completely satisfied with the methods of assessing knowledge and skills, and 7.5% - in part, I would like to change them and I doubt the answer for 0.5%.

Of all the respondents, 84.0% answered that teachers regularly use active and interactive teaching methods in the classroom, 12.0% expressed the opinion that such teaching methods are used by teachers only occasionally, 1.5% - rarely, they do not know what it is 1.0%. I doubt the answer - 0.5%, never - 1.0%.

According to the survey results, 88.0% answered that after the end of the class, the teacher constantly conducts feedback with them, 8.5% believe that sometimes, and 1.5% answered rarely, never - 1.5%, I do not know what to say - 0.5%.

How many seminars are held with residents during the month as part of the educational residency programme: once a week - 71.5%, 2-3 times a week - 18.5%, 1-2 times a month - 1%, daily - 5.5%, very rarely - 2.5%.

The majority (86.0%) of the 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.

Conclusions: with their answers, residents expressed satisfaction with the learning conditions, equipment and library fund in the organization of education, while the majority are completely satisfied with the organization of teaching, the schedule of classes, methods of assessing knowledge and skills, training in this organization of education.

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

The ECAQA observer, as part of the external assessment programme, conducted a form questionnaire 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 respondents is 64, including those with work experience of up to 5 years - 7.81%, up to 10 years - 20.31%, over 10 years - 71.88%.

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.

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

conclusions: the survey showed the presence of a healthy microclimate in the organization, as well as the fact that the majority of the surveyed teachers are satisfied with the organization of the educational process, the attitude of the management to the teachers of the institute. At the same time, areas for improvement were identified: professional development of teachers in pedagogy, methods of teaching in residency.

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

Conclusion on the basis of the external evaluation:

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

Despite the fact that in the self-assessment report of the educational programme NJSC Asfendiyarov Kazakh National Medical University (KazNMU) 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 30 documents, as well as during an external expert evaluation by members of the EEC studied the main documents (mission, strategic plan, 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 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://kaznmu.kz/>, which allowed 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. ҚР DSM-16). The volume of the study load and treatment and prophylactic work by sections of the educational programme is determined by the individual work plan of the resident (clause 14) for one year and is monitored by monthly reports of the resident in an arbitrary form. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the 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. ҚР DSM-12/2020 Chapter 2. Requirements for the content of educational programmes of residency with a focus on learning outcomes), there have been changes and additions in the educational programme in relation to the development of the research competence of residents, which must participate in the work of the research team.

In accordance with Article 222 of the Residency of Clause 4 of the Code of the Republic of Kazakhstan on People's 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 mentor.

The experts took into account the fact that the accredited educational programme **7R01125** - "Traumatology and orthopedics, including children's» according to the current state educational standard, it is being implemented for 3 academic years, therefore, at this time there is no graduation of students, nevertheless, the entire educational, methodological, personnel and resource base has been assessed for compliance 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 for **7R01125** - "Traumatology and orthopedics, 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 of compliance with accreditation standards based on the results of an external assessment of the educational residency programme for 7R01125 - "Traumatology and orthopedics, including children's» and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

Determined that NJSC Asfendiyarov Kazakh National Medical University (KazNMU) has defined its mission, which includes an educational component, namely: " within the society, improving and preserving the health of the population of Kazakhstan, by applying the advanced traditions of science and education." The mission was drawn up in accordance with the current management system of the organization and the policy in the field of ensuring the quality of education, and was also reflected in Strategic plan. The mission has been repeatedly revised in connection with the update of the plan and new programme documents of the Republic of Kazakhstan in the field of postgraduate education, health care and science, which indicates that NJSC Asfendiyarov Kazakh National Medical University "(KazNMU) constantly monitors all educational processes and new legal acts...

There is no separate mission of the programme, but the NJSC Asfendiyarov Kazakh National Medical University" (KazNMU) has defined the strategic goal of implementing the educational residency programme **7R01125** - "Traumatology and orthopedics, including children's": " In-depth training of a specialist who is able to provide qualified and specialized medical care to a patient with pathology of the musculoskeletal system in accordance with evidence-based medicine. "

NJSC Asfendiyarov Kazakh National Medical University" (KazNMU) strictly followed the requirements of the State Educational Standard of the Republic of Kazakhstan and the provisions of the IWP when developing the mandatory part of the educational programme, therefore, it clearly articulates the competencies and skills that a resident will receive as a result of training. For the successful implementation of training, work is being carried out to inform residents about the structure and expected results of training. Residency studies are focused on practice, so clinical work is 75%, theoretical training is 10%, independent work is 15%.

Currently in residency NJSC Asfendiyarov Kazakh National Medical University (KazNMU) 23 residents are trained in the specialty 7R01125 -" Traumatology and orthopedics, including children's". Residents participate in the process of evaluating the educational programme by expressing their opinions and wishes at the end of the course or mastering a specific discipline when questioning. Residents can send their suggestions and comments on the organization of the educational process directly to the postgraduate education department.

In the NJSC "Asfendiyarov Kazakh National Medical University" (KazNMU) there is an approved regulation on medical ethics and deontology (2018), an Ethical Commission has been created, working on the basis of the Regulation (order No. 65 p dated 02/01/2018).

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

Strengths:

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

Conclusions of the EEC on the criteria. Out of 17 standards conform: fully - 7, significantly - 10, partially -, do not correspond - 0

Standard 1: completed

Recommendations for improvement identified during the external visit:

1. To study the need for practical health care in specialists in the declared specialty, since the statement that the mission of EP 7R01125 "Traumatology, including children's" was developed on the basis of considering the needs of public health raises serious doubts, since the state order decreases every year.
2. Promote more actively the introduction of innovations in the educational process.

Standard 2: EDUCATIONAL PROGRAMME

In order to improve the quality of educational activities in the NJSC "Asfendiyarov Kazakh National Medical University" (KazNMU), a system of internal quality assurance has been created based on international standards and guidelines to ensure the quality of higher and postgraduate education in the European higher education area.

The structure and content of the working curricula correspond to the State Educational Standard RK 2019specialties **7R01125** - "Traumatology and orthopedics, including children's»

The discipline programmes are developed at the proper scientific and methodological level. The sequence of studying disciplines is built using a system of pre- and post-requisites. In the specialty "7R01125 -" Traumatology and orthopedics, including children "there are 6 modules for Basic disciplines, 9 modules for a compulsory component of majoring disciplines and 8 modules for majoring related disciplines, as well as developed and approved 9 modules for optional components.

The ability for constant professional growth of a resident is reflected in the "Portfolio", which is formed from the moment of admission to the residency by the students personally. Persons who have completed training in the EP of residency and have successfully passed the final certification are awarded the qualification "doctor anesthesiologist-resuscitator" and graduated a certificate.

Training of residents is carried out at clinical sites with personal participation in the treatment and diagnostic process, both in classroom time and during independent work. All rules are reflected in the Resident's Guide. During the period of implementation of the EP residency in the specialty "7R01125 -" Traumatology and orthopedics, including children's "clinical bases were large multidisciplinary hospitals of the city: CCH No. 4, CCH No. 7.

Equipping clinical bases allows you to effectively implement active teaching methods: seminars, webinars, conferences, case studies, problem-oriented learning (PBL); Case-Based Learning (CBL), Team-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 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 NJSC Asfendiyarov Kazakh National Medical University” (KazNMU), experts have established compliance with the basic criteria of the accreditation standard: a developed and approved educational programme that meets the requirements of the State Educational Standard of Education 2019 and is implemented in a student-centered and patient-centered environment in the best clinics of the city. The educational programme is provided with appropriate methodological documentation and documents accompanying residents (guide, Code, Portfolio structure, EMCD, syllables). Teachers have introduced and effectively apply various teaching methods, mainly of a practical nature, and involve residents in research, which contributes to the formation and development of competencies in the specialty.

Strengths:

1. The University has developed educational programmes based on the competence-oriented model of the graduate of residency, which are characterized by flexibility and responsiveness in accordance with the needs of society and the labor market.

Conclusions of the EEC on the criteria. Out of 31 standards correspond: fully - 25, significantly -5, partially -, do not correspond - 0.

Standard 2: completed

Standard 3: ASSESSMENT OF STUDENTS

In the 2019-2020 academic year, in connection with distance learning during the CVI pandemic, documents were developed and implemented for conducting the exam in remote mode:

- SOP "[Organization and conduct of a written examination remotely](#)"(Order No. 515 dated December 10, 2020); SOP "[Organization and conduct of an exam in a test form in a remote mode](#)"(Order No. 515 dated December 10, 2020);

The organization and conduct of intermediate certification of residents is carried out by the Office of the Registrar together with the dean of the faculty. In accordance with the "Regulations on the current monitoring of progress, intermediate and final certification of residents of the NJSC KazNMU" (Minutes No. 9 of 11.11.19) and in [University academic policy](#) for the 2020-2021 academic year (protocol No. 375 of 08/27/2020), the FSA examination committee is appointed by order of the rector, includes professors, associate professors, doctors from practical health care with more than 5 years of experience in the specialty.

The final certification is carried out according to the rules and with the assistance of the RPA "National Centre for Independent Examination" (NCIE). The positive results of the assessment of knowledge and skills serve as the basis for the issuance of a specialist certificate.

Strengths:

1. The system of monitoring the educational achievements of residents is complex and is aimed at assessing the final learning outcomes.

Conclusions of the EEC on the criteria. Conform from 11 standards: completely - 9, significantly - 2, partially - 0, do not correspond - 0.

Standard 3: completed

Recommendations for improvement identified during the external visit

1. Regularly analyze and evaluate the quality of the methods used and the assessment format for the validity and reliability of the final learning outcomes (3.1.4).

Standard 4: STUDENTS

The policy of admission to residency at the University is regularly reviewed in connection with the introduction of additions and amendments to the existing regulatory legal acts of the Republic of Kazakhstan, namely: the Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 N 319-III RK (with amendments and additions to as of May 30, 2020); Order of the Minister of Health of the Republic of Kazakhstan dated January 30, 2008 No. 27 "On approval of the lists of clinical specialties of training in internship and residency" (with amendments and additions as of August 2019); Order No. 600 of "On Approval of the Standard Rules for Admission to Training in Educational Organizations Implementing Professional Curriculum for Postgraduate Education" (with amendments and additions approved in June 2020).

Strengths:

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

Conclusions of the EEC on the criteria. Out of 30 standards conform: fully 20 -, significantly - 8, partially - 2, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit:

- 1) Expand the representation of residents in the development of policies for the admission and selection of residents (4.1.8).
- 2) Expand opportunities for residents to participate in the youth policy department and other advisory bodies (4.3.8).

Standard 5: ACADEMIC STAFF / FACULTY

The personnel policy of KazNMU is guided by the following normative legal acts: "Personnel policy of KazNMU" (order No. 7 of October 14, 2019); "Rules for the assessment of scientific and pedagogical personnel of KazNMU" (order No. 285 of 23.10.2019); "Qualification requirements for the positions of the teaching staff of KazNMU" (order of the Rector No. 281 of June 25, 2019 No. <https://kaznmk.kz/rus/wp-content/uploads/2020/02/pravila-ocenki-nauchno-pedagogicheskikh-kadrov-kazahskogo-nacionalnogo-medicinskogo-universiteta-i-sd-asfendimeniyarova-4.pdf> <https://kaznmk.kz/rus/wp-content/uploads/2020/02/kvalifikacionnye-trebovaniya-pps.pdf>).

The University applies effective and transparent recruitment and appointment criteria for faculty positions and guarantees equal employment opportunities consistent with legal requirements and any other selection criteria.

Strengths:

1. Available in Highly qualified and reputable faculty implementing residency programmes and experts in practical health care and medical education

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

Standard 5: completed

Recommendations for improvement identified during the external visit:

1. Strengthen the academic staff residency in the specialty 7R01125 - "Traumatology and orthopedics, including children's» of the Non-profit Joint Stock Company "Asfendiyarov Kazakh National Medical University" specialists with advanced degrees, as the number of residents is planned to increase.

Standard 6: EDUCATIONAL RESOURCES

The university has a developed material and technical base for the implementation of professional training of residents in the specialty 7R01125 - "Traumatology and orthopedics, including children's». The material and technical base of the university includes: lecture halls, study rooms,

educational and research laboratories, a library, information technology facilities, premises for the cultural and social sphere, university clinics, clinical bases - leading medical clinics in Almaty.

The main base is the City Clinical Hospital No. 4, designed for 370 beds, 200 of which are supervised by the department (No. 66 from 09/04/2018 to 09/04/2022), the second base is 7 CCH.

Strengths:

1. Availability of modern and equipped clinical bases that provide residents with the opportunity to master the necessary clinical skills and competencies.
2. The university has a sufficient material and technical base and provides a variety of ways to realize the personal growth of residents.

Conclusions of the EEC on the criteria. Out of 21 standards conform: fully - 16, significantly - 5, partially - 0, do not correspond - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) Include in the educational programme of residency the elective discipline "Management of scientific research" (6.5.1.)
- 2) Expand opportunities for clinical training at all levels of care (6.7.1).

Standard 7: PROGRAMME EVALUATION

The EP created by a team of authors in the specialty 7R01125 - "Traumatology and orthopedics, including children's» was considered and approved at a meeting of the department - from No. 10, dated February 27, 2020) and approved at a meeting of the CEP in the specialty Traumatology and Orthopedics (No. August 20, 2020), the Academic Council (No. 3 of April 20, 2020) and the Academic Council (Senate) of the University (No. 4 of March 3, 2020)

Strengths:

1. The university has developed a multi-stage system for evaluating educational programmes.

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 6, significantly - 9, partially -, do not correspond - 0

Standard 7: completed

Recommendations for improvement identified during the external visit:

- 1) Work out the mechanism for approving the OP. In this standard, the OP in April 2020 was approved for Academic Council, then in August 2020 at a meeting of the CEP in the specialty Traumatology and Orthopedics. It should be the other way around.
- 2) Develop a feedback mechanism with graduates, residents and employers to improve educational programmes.

Standard 8: GOVERNANCE AND ADMINISTRATION

The interaction of the University with the Ministry of Education and Science of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan on the organization of the educational process in residency is carried out through the development and implementation of the State Educational Standard of Education 2020 and is consistent with the priority areas of the following national legislative and programme documents: Law of the Republic of Kazakhstan "On Education" dated June 27, 2007 No. 319-III (with amendments and additions as of 05/30/2020).

- Order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-16 dated September 18, 2018 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency" was registered with the Ministry of Justice of the Republic of Kazakhstan on October 12, 2018 No. 17534

- On approval of the State Programme for the Development of Education and Science of the Republic of Kazakhstan for 2020 - 2025... Resolution of the Government of the Republic of Kazakhstan dated December 27, 2019 No. 988.

- On approval of the State Programme for the Development of Health care of the Republic of Kazakhstan for 2020 - 2025... Resolution of the Government of the Republic of Kazakhstan dated December 26, 2019 No. 982.

- State programme for the development of health care of the Republic of Kazakhstan "Densaulyk" for 2016-2020. Decree of the President of the Republic of Kazakhstan dated January 15, 2016 No. 176.

Strengths:

1. Stable financial position of the University.
2. Continuous organizational, coordination and administrative work aimed at achieving the mission and goals;
3. Transparency of the management system and decisions made;

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:

- 1) Improve the mechanisms of motivating teaching staff in the implementation of the EP residency.
- 2) Optimization of the management system by further introducing the principles of corporate governance;

Standard 9: CONTINUOUS RENEWAL

KazNMU, 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, initiates a review and updating of the process. Based on the analysis of the documented review at all levels, resources are allocated and an action plan is determined to update the postgraduate educational process, improve management, update the goal of the strategic plan in terms of educational activities, structure and content, taking into account the needs of practical health care, ensure improved learning outcomes / competencies, learning environment ...The base of test items for PA and FSA residents is revised annually. All test items are developed according to MCQ difficult level (II and III levels)

Strengths:

1. The University has a system of continuous improvement of the postgraduate educational process.
2. To implement the model of medical education and to ensure the quality of the educational process, a new structure has been created - the department of academic work, EP committees are functioning;
3. The system of advanced training and professional growth of teaching staff;

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 (9.4).
- 2) Improve mechanisms of relationships with key stakeholders (9.4).
- 3) More efficient use of information and communication technologies in the management system.

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 7R01125 - "Traumatology and orthopedics, including children's»:

Standard 1

1. To study the need for practical health care in specialists in the declared specialty, since the statement that the mission of EP 7R01125 "Traumatology, including children's" was developed on the basis of considering the needs of public health raises serious doubts, since the state order decreases every year.

2. Promote more actively the introduction of innovations in the educational process.

Standard 2

1. The University has developed educational programmes based on the competence-oriented model of the graduate of residency, which are characterized by flexibility and responsiveness in accordance with the needs of society and the labor market.

Standard 3

1. Regularly analyze and evaluate the quality of the methods used and the assessment format for the validity and reliability of the final learning outcomes (3.1.4).

Standard 4

1. Expand the representation of residents in the development of policies for the admission and selection of residents (4.1.8).

2. Expand opportunities for residents to participate in the youth policy department and other advisory bodies (4.3.8).

Standard 5

1. Strengthen the academic staff residency in the specialty 7R01125 - "Traumatology and orthopedics, including children's» of the Non-profit Joint Stock Company "Asfendiyarov Kazakh National Medical University" specialists with advanced degrees, as the number of residents is planned to increase.

Standard 6

1. Include in the educational programme of residency the elective discipline "Management of scientific research" (6.5.1.)

2. Expand opportunities for clinical training at all levels of care (6.7.1).

Standard 7

1. Work out the mechanism for approving the EP. In this standard, the OP in April 2020 was approved for Academic Council, then in August 2020 at a meeting of the CEP in the specialty Traumatology and Orthopedics.

2. Develop a feedback mechanism with graduates, residents and employers to improve educational programmes.

Standard 8

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

2. Optimization of the management system by further introducing the principles of corporate governance;

Standard 9

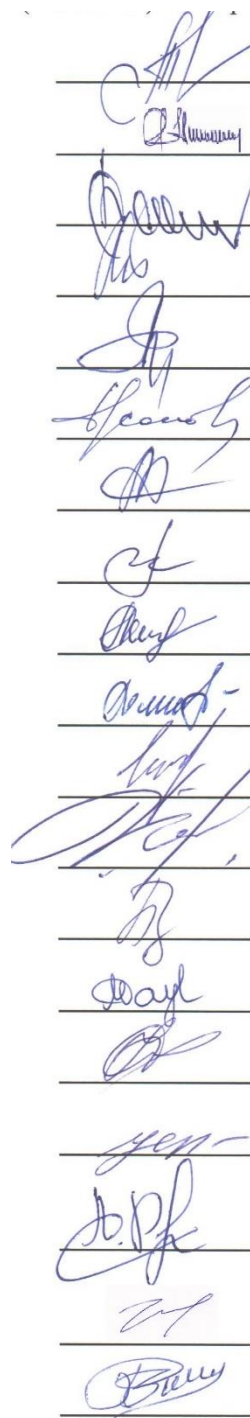
1. Expand the further development of academic mobility of teaching staff and residents (9.4).
2. Improve mechanisms of relationships with key stakeholders (9.4).
3. More efficient use of information and communication technologies in the management system.

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 **7R01125 - "Traumatology and orthopedics, 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



A vertical column of 20 handwritten signatures in blue ink, each written on a horizontal line. The signatures are cursive and vary in style, corresponding to the names listed on the left.

**Quality profile and external evaluation criteria (summary) of
educational programme in the specialty
7R01125 - "Traumatology and orthopedics, including children's"
of 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	5 \ 2	5 \ 5		
2.	EDUCATIONAL PROGRAMME	31	17 \ 8	4 \ 1		
3.	ASSESSMENT OF STUDENTS	11	7 \ 2	0 \ 2		
4.	STUDENTS	30	11 \ 9	5 \ 3	1 \ 1	
5.	ACADEMIC STAFF /FACULTY	7	2 \ 2	3 \ 0		
6.	EDUCATIONAL RESOURCES	21	7 \ 9	3 \ 2		
7.	PROGRAMME EVALUATION	15	4 \ 2	6 \ 3		
8.	GOVERNANCE AND ADMINISTRATION	15	7 \ 4	1 \ 3		
9.	CONTINUOUS RENEWAL	4	1 \ 0	0 \ 3		
	total	151	64 \ 27	27 \ 31	1 \ 1	

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

No.	Names of documents	Date of approval (if applicable)
1.	Syllabuses for the period 2018-2020 academic year	09/21/2020
2.	Department plan for the current year	28.08.2020
3.	Minutes of the meetings of the department for the current year	28.08.2020
4.	Research work for the current year	28.08.2020
5.	Resident portfolio	28.08.2020
6.	Regulations on the Faculty of Postgraduate Education	No. 462 ri October 27, 2020
7.	Annual plan of the department	08/28/202
8.	Faculty work report	08/20/2020
9.	Rules for admission to residency	08/14/2020
10.	Schedule and schedule of resident classes	08/14/2020
11.	Rules for admission to residency	Minutes 7 dated 07/15/2020
12.	Regulations on the Council of Employers	Minutes 127 dated 19.03. 2021
13.	Academic Policy 2020-2021	No. 375 t 27.08.2020
14.	CEP Regulation	No. 368 dated 24.08.2020
15.	Quality Assurance Commission Regulation	No. 368 dated 24.08.2020
16.	Regulations on the ongoing monitoring of the progress of intermediate and final certification	No 13 dated 10/10/2020
17.	Regulations on the working group on the implementation of innovative and active teaching methods	No 329 of 12/20/2020
18.	Code of honor of teaching staff and employees of KazNMU	
19.	Regulation on job descriptions of teaching staff	28.08.2020
20.	Minutes of meetings of the department	
21.	Department plan	28.08.2020