

**REPORT
OF EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL
PROGRAMME 7R09160 - "CHILDREN'S ONCOLOGY AND
HEMATOLOGY" OF ASFENDIYAROV KAZNMU FOR COMPLIANCE
WITH ACCREDITATION STANDARDS OF POSTGRADUATE EDUCATION
PROGRAMMES (RESIDENTURE SPECIALTIES) OF MEDICAL
EDUCATION ORGANIZATIONS**

period of external expert evaluation: 18.11.-20.11.2020

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 18 of 23.10.2020, an External Expert Commission was formed to conduct accreditation of educational programmes of residency specialties of Asfendiyarov KazNMU in the period 18-20.11.2020 in the following composition:



Chairman of the External Expert Commission
TURGUNOV ERMEK MEYRAMOVICH,
Doctor of Medical Sciences, Professor of the
Department of Surgical Diseases of the NJSC
"Medical University of Karaganda", President of
the NGO "Surgical Association of the Karaganda
Region", a member of the International Surgery
Society, a member of the "Association of
Independent Experts of Astana" and the "Union
of Independent experts of KSMU "



Foreign expert
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Doctor of Medical Sciences, Professor, Chief
Researcher, Laboratory of Genetic Epidemiology,
Federal State Budgetary Scientific Institution
"Medical Genetic Research Centre named after
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National academic expert
JUMALINA AKMARAL KANASHEVNA,
Doctor of Medical Sciences, Professor, Head of
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University named after Marat Ospanov"



National academic expert
RAMAZANOVA RAYGUL
MUKHANBETOVNA,
MD, Head of the Hematology Course
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National academic expert
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National academic expert
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National academic expert
AKHMETOVA ALMIRA KALIKAPASOVNA,
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National academic expert
URAZOVA SALTANAT NURGOZHAEVNA,
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National academic expert

KALIEVA SHOLPAN SABATAEVNA,
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NJSC "Medical University of Karaganda"



National academic expert

ZHANTELIEVA LAZZAT ASANOVNA,
Doctor of Medical Sciences, Deputy Chairman of
the Board for Research Work of JSC "Scientific
Centre of Urology named after
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National academic expert

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National academic expert

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National academic expert

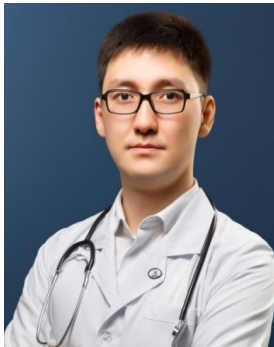
LOVINSKAYA ANNA VLADIMIROVNA,
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Expert Representative of Practical Health
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Expert Representative of Practical Health
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Expert - resident representative
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ECAQA Observer
UMAROVA MAKPAL ALDIBEKOVNA
Head of Accreditation and Monitoring
Department

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 7R09160 - "Children's Oncology and Hematology" 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 the university in the field of postgraduate education.

2. General part of the final report of the EEC

2.1 Presentation of Asfendiyarov KazNMU and the educational residency programme in the specialty 7R09160 - "Children's Oncology and Hematology"

In 2020, KazNMU turns 90 and in 2018 the university was reorganized into a non-profit joint-stock company (hereinafter - NJSC) by the Resolution of the Government of the Republic of Kazakhstan dated April 5, 2018 No. 166 and received the status of a research university (resolution of the Ministry of Health of the Republic of Kazakhstan dated 12.11.2018).

In accordance with the Strategy of KazNMU for 2019-2023, the basis of KazNMU's activities is the trinity - the integration of academic, scientific and clinical activities in order to provide high-quality and modern medical care to the population and training of professional personnel. In this regard, by 2018, the university included 5 republican state enterprises, including: JSC Scientific Center for Obstetrics, Gynecology and Perinatology, JSC Scientific Center for Pediatrics and Pediatric Surgery, JSC Scientific Research Institute of Cardiology and Internal Medicine , JSC "Kazakh Research Institute of Oncology and Radiology", JSC "Scientific Center of Surgery named after A.N. Syzganov ".

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. The international information and analytical platform Web of Science in November 2019 awarded KazNMU an 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."

KazNMU cooperates with 102 universities, medical and scientific organizations of the near and far abroad, including with TOP-500 universities, implementing joint scientific, research and educational projects.

KazNMU is a full member of international Associations: International Association for Medical Education in Europe (AMEE), European Association of Dental Education (ADEE), World Federation of Dentists (FDI), European Federation of Dentists (EROFDI), European Association of Universities (EUA), International Association of Universities (IUA), the Association of Higher Schools of Management (GSM Barcelona), the World Federation of Pharmacists, the Association for Distance Education "Siberian Open University", the Association of Schools of Public Health in Europe (ASPHER). In 2015, KazNMU became a member of the Association of European Medical Schools (AMSE) and the Organization of PhD Education in Biomedicine and Health Sciences in the European System (ORPHEUS).

Residency was introduced in accordance with the Law "On Education". The first admission to residency was held in 2008. The first issue of residents was carried out in 2010.

For 2020, residency is being implemented in 44 specialties, including 19 educational programmes being accredited for the first time. 605 residents studied at KazNMU from 2017 to 2020. The University trains residents on the basis of 104 clinics, polyclinics, research institutes, and scientific centers. University clinics are: clinic "Aksai", clinic of internal diseases of KazNMU, professorial clinic of KazNMU, dental clinic.

Thus, KazNMU is an innovation-oriented and socially responsible university, a leader in the Republic of Kazakhstan and Central Asia in multi-level training of competitive healthcare and pharmacy specialists through the implementation of a competence-based model of medical and

pharmaceutical education with the wide involvement of domestic and foreign scientists and a constant increase in scientific research. potential.

The main educational, scientific and clinical structural unit of the University, which coordinates training at the second stage of medical education in one or more related specialties, is the Dean's Office of Internship and Residency, renamed from August 3, 2020 to the Faculty of Postgraduate Education. The dean's office unites all the departments related to the specialties included in the internship and residency, as well as those general scientific and fundamental departments that, in terms of the content of their work, are closest to the profile of the second level of higher medical education.

2.2 Information on previous accreditation

Accreditation of the educational programme of residency in the specialty 7R09160 - "Children's Oncology and Hematology " has not yet been carried out.

2.3 Analysis of the report on self-assessment of the educational programme of residency in the specialty 7R09160 - " Children's Oncology and Hematology "

The self-assessment report of the educational programme (EP) is presented on 139 pages of the main text, attachments on pages 130-139 and copies or electronic versions of documents on the organization of education located at the link ark.rezidentura@gmail.com.

The report is characterized by the completeness of answers to all 9 accreditation standards, structuredness, taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as the internal unity of the information provided to the accredited educational programme. The report is accompanied by an accompanying letter signed by the rector prof. T.S. Nurgozhin confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of KazNMU, responsible for the self-assessment of educational programmes, Ph.D. Zhankalova Zulfiya Meirkhanovna, Dean of the Faculty of Postgraduate Education.

Self-assessment of educational residency programmes carried out on the basis of the order on the basis of the order dated 04.08.2020 No. 337 "On approval of the composition of the working group for preparation for accreditation educational programmes of specialties of residency ".

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

2.4 General assessment of the educational programme of residency in the specialty 7R09160 - "Children's Oncology and Hematology" for compliance with the Standards of accreditation of programmes of postgraduate education (specialty residency) of medical educational institutions.

Based on the analysis of the self-assessment report by external experts, it was found that the content of the self-assessment report is structured in accordance with the ECAQA accreditation standards and the recommendations of the Self-Assessment Manual, at the same time, based on the results of the expert evaluation, recommendations for adjustments were made, which were taken into account by the working group.

The report is written consistently in compliance with the logic in the description of the standards, the wording for each standard is clear and understandable, the tables contain references in

the text and are numbered consecutively. There are links to regulations, model rules, regulations, educational documents, website pages <https://kaznmk.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/rezidentura/>

The self-assessment and description were carried out in accordance with the criteria of the ECAQA accreditation standards and the questions formulated in the Self-Assessment Guidelines were answered. All standards show actual practice of KazNMU for training residents in the specialty 7R09160 - "Children's Oncology and Hematology" taking into account the beginning of the admission of students, 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. Self-assessment report description fairly complete and updated in terms of the number of residents, teachers, administration, information on 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 (universities, associations, bases), financial information, development plans 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 the stages of external peer review and conclusion

External expert work on the assessment of the educational programme of residency 7R09160 - "Children's Oncology and Hematology" of KazNMU was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director General of the "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Healthcare" No. 5 2017) and according to the programme and schedule approved on 08.11.2020 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the rector T.S. Nurgozhin.

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC used the following methods: interviews with management and administrative staff, interviews with residents, observation, study of the website, interviewing employees of various structural units, teachers, questionnaires of teachers and residents, review of resources in the context of the implementation of accreditation standards, the study of 21 educational and methodological documents both before the visit to the university and during the visit.

The sequence of the visit within 3 days is detailed in the Visit Programme, which is in the documentation of the accreditation centre and in the annex to this report.

The KazNMU staff ensured the presence of all persons indicated in the visit programme and according to the lists of interview sites (Table 1).

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

No.	FULL NAME.	Position
1.	Bayldinova Clara Zhenisovna	Vice-rector for academic affairs
2.	Zhankalova Zulfiya Meirkhanovna	Dean of the Faculty of Postgraduate Education
3.	Tashetova Aigul Balabekovna	And about. Director of the Department of Academic Affairs
4.	Nagasbekova Bayan Serikkanovna	Head of Human Development Department resources
5.	Kulzhakhanova Samal Sagatovna	Head of the Alumni Career Centre

6.	Tulepbaeva Gulzhan Sovetovna	Head of Clinical Department
7.	Tuleyev Bakhyt Izidinovich	And about. director of the university clinic
8.	Saliev Timur Muydinovich	Head of the B.A. Atchabarova
9.	Syzdykova Aigul Temirbulatovna	Deputy CFO
10.	Modovov Nurbol Alimbaevich	Library manager
11.	Zhanbolatova Gulnara Abzhanovna	Deputy library manager
12.	Nurmakhanova Zhanna Makhmutovna	Head chair
13.	Israilova Venera Karypbekovna	Head chair
14.	Akhmetova Gulsim Zhumagalievna	Head chair
15.	Rakhimov Kairolla Duisembaevich	Head chair
16.	Nersesov Alexander Vitalievich	Head chair
17.	Talkimbaeva Naylya Anuarovna	Head of the simulation centre
18.	Nurmakhanova Zhanat Makhmutovna	Committee of educational programmes
19.	Ensegenova Zoya Zharbulatovna	Committee of educational programmes
20.	Kalieva Meruert	Secretary Academician committee
21.	Sugraliev Akhmetzhan Begalievich	Associate Professor of the Department of Internal Medicine
22.	Mominkulov Aydar Ordabekovich	Associate Professor of Pediatric Surgery
23.	Medeubekov Ulugbek Shalkharovich	Head of the Department of General Surgery
24.	Israilova Venera Karypbekovna	Head of the Department of Resuscitation
25.	Habizhanov Askar Bolatovich	Associate Professor at the Department of Dermatovenereology
26.	Salimbaeva Damilya Nurgazyevna	Associate Professor of the Department of Medical Genetics
27.	Nadyrov Momunzhan Talgatovich	Head of the Department of Plastic Surgery
28.	Kalmanova Ayman	Resident
29.	Ali Sultan	Resident

The sequence of the visit within 3 days is detailed in the Visit Programme, which is in the documentation of the accreditation centre and in the annex to this report.

The first day of the visit is 11/18/2020. An interview with the management and key employees of KazNMU made it possible to determine the fulfillment of most of the criteria of accreditation standards 1, 2, 5, 7, 8, 9, namely, to identify approaches in developing the mission of the educational programme and its compliance with the strategic goals of the university, the role and place of postgraduate education in clinical direction in the strategy of the university (plan), mechanisms in determining the appropriate specialty of residency of clinical sites and qualified teachers, guaranteeing the adequacy of educational resources through planning public procurements and concluding agreements with country and international partners (more than 100 contracts). Realizing that the accredited residency programme is relatively new, since the first enrollment of the student took place in 2019-2020, the experts studied the documentation in detail,

The experts found that KazNMU strictly adheres to the requirements of regulatory legal acts and SCES 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, etc.).

The basis for effective management is the Quality Assurance Policy of KazNMU and the "Policies of the Chairs" developed at the departments of residency, as well as adherence to the Quality Guidelines when documenting the educational process (QMS has been constantly supported and certified since 2012).

Conversation with the Dean of the Faculty of Postgraduate Education Zhankalova Z.M. allowed 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 teaching methodology ...

The conversation with the head of the Department oncology made it possible to find out about the teaching staff involved in the preparation of residents of the accredited educational programme, about the clinical bases where residents are trained, about the appointment of clinical mentors, the development and implementation of the accredited educational programme, methods of its assessment.

The second day of the visit is 11/19/2020.

This day was devoted to visiting clinical bases for the implementation of residency programmes (Department of Anesthesiology and Reanimatology, Department of Forensic Medicine), including the Institute of Oncology (KAZNIIOiR) (Department of Oncology and Radiation Therapy) affiliated with KazNMU and Scientific Centres for Pediatrics and Pediatric Surgery (Department of Pediatric Diseases with a course of neonatology). At clinical bases, experts surveyed the resources of the accredited educational programme, their compliance with the training courses in residency, accessibility for teachers and residents, how modern this equipment is and meets the needs of students and practical health care.

The experts obtained evidence of compliance with accreditation standards 2 and 6, as well as validation of the information in the self-assessment report of the educational programme.

On the same day, interviews with teachers, residents and employers (representatives of practical health care) took place. It is necessary to take into account the fact that there was no graduation from the accredited educational programme, so it was not possible to interview graduates, however, the experience and authority of KazNMU in teaching residents (since 2007) shows a high percentage of employment (> 90%) of graduates of other residency programmes and their demand by medical organizations in all regions of Kazakhstan.

Interviews with teachers, as providers of the residency programme, showed that there are both successes and problems in the management of the educational programme, depending on the specific clinical base (access of residents to equipment, a sufficient number of thematic patients, time for maintaining medical records, independent work of residents) ... The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

On the same day, experts studied materials on the admission of residents and the selection of teachers.

Residents were interviewed to validate the performance of the self-assessment report and to obtain evidence of the quality of the programmes. The Department of Pediatric Diseases with a course of neonatology was attended by 13 residents (Scientific Centres for Pediatrics and Pediatric Surgery). 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 completely satisfied with the training, assessment methods, and purposefully entered this university, since they believe that KazNMU has an excellent clinical base and experience in teaching residents. 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).

Interview with employers on all educational programmes of residency of KazNMU declared for accreditation conducted online and included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of KazNMU, satisfaction with the basic knowledge and skills of residents, participation in training of residents through mentoring, provision of the department and residents the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and the university as a whole, employment of graduates of residency, etc. Scientific Centres of Pediatrics and Pediatric Surgery, showed a well-oiled work of both teaching staff and residents. Scientific Centres for Pediatrics and Pediatric Surgery is a multidisciplinary clinic that provides high-tech medical care for children, implementing into practice unified internationally recognized protocols for the treatment of blood diseases, malignant neoplasms. There is a department of oncology and hematology, a day hospital, a department of hematopoietic stem cell transplantation, a department of surgery for cancer patients, department of intensive care and intensive care for hematological and oncological patients, department of radiological diagnostics and ultrasound, a highly equipped modern laboratory of immunology, cytogenetics, molecular genetics, apheresis and control of hematopoietic stem cells with a department of transfusion, where diagnostics and treatment of children from 1 day to 18 years old ... The clinics where residents practice form a patient-centered work style aimed at ensuring the safety of patients, their correct identification, effective communication, increasing the safety of examination and treatment, reducing trauma, and adhering to successive treatment.

Residency studies are focused on practice, so theoretical training is 10%, clinical work - 75%, independent work - 15%. When working with residents, training is carried out using updated protocols, treatment recommendations, own and borrowed implementations in clinical practice. Residents are required to participate (including on-line) conferences and seminars in training seminars, symposia, trainings, master classes. To work on the Internet at the university and at clinical sites, there is an Internet connection. The use of modern medical advances forms cognitive competencies leading to the development of practical skills, and also contributes to the development of the need for the process of continuous professional development.

To work with residents on specialty "Children's Oncology and Hematology" involved experienced mentors working in clinical bases: 7 employees of the department (1 professor, 3 doctors of medical sciences, 4 candidates of medical sciences), all have the highest qualification category, represented by specialties: children oncology, pediatric hematology

A review of resources showed that the clinical base of the Scientific Centres for Pediatrics and Pediatric Surgery is fully consistent with the goals and objectives of the accredited educational programme in 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, clinical management. the basis for achieving the final results of the educational programme. The clinical base has 5 training rooms (including a simulation room, where residents practice the skills of spinal punctures, intra-articular drug injections, etc.), despite the fact that residents spend most of their time at the patient's bedside and in diagnostic departments. Before starting the relevant 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 Scientific Centres for Pediatrics and Pediatric Surgery has all the necessary departments for undergoing residency in accordance with the list of disciplines prescribed in the State Educational Standard.

The third day of the visit November 20, 2020

Experts studied programme documentation, which confirmed the compliance with accreditation standards (nomenclature of the department's affairs, plan for 5 years, annual plan for the 2019-2020 academic year and report for 2019, journal of residents' progress, EMCD, feedback questionnaires with residents, teachers, reports on the results of the questionnaire and the measures

taken, the code of ethics, etc., control and measuring instruments), including documentation (staff of the teaching staff, individual plans of teaching staff, IEP and portfolio of residents, evaluation of the educational programme by external reviewers, distribution of scientific directions and scientific advisers of residents) at the request of EEC members.

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

A meeting of the EEC members took place. EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and the criteria for external assessment of the NIC for compliance with the Accreditation Standards for the residency programme. No comments were made by the EEC members on the accredited EP. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Turgunov E.M. a final open vote on recommendations for KazNMU and a final vote on recommendations for the ECAQA Accreditation Council were held. Then the Chairperson of the EEC for the management and employees of the educational organisation announced recommendations based on the results of an external assessment in the framework of accreditation of educational programmes for residency specialties.

Questioning. An observer from ECAQA in November 16-18, 2020 conducted an online survey of KazNMU residents and teachers on the resource <https://webanketa.com/>.

Residents survey results:

The total number of responding residents - 154... Of the total number of respondents, residents of the specialty "family medicine" prevailed - 40%, further on the list: pulmonology - 12%, clinical pharmacology - 12%, therapy - 11%, **pediatric oncology and hematology - 6%**, general surgery 4%, pediatric surgery - 3%, medical genetics - 2%, other specialties - 1% each.

Will recommend this university as an educational organization - 69% fully agree, partially - 26%. 71% of the respondents fully agree and 23% partially agree that programme managers and teaching staff are aware of their learning problems. Fully (64%) and partially (29%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to 62% (in full) and 26% (in part) office equipment is available for residents in practice bases. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - 73% fully agree, partially - 22%. Fully (72%) and partially (25%) are satisfied with the library fund and resources. 76% of respondents have access to electronic educational resources, and 20% believe that it is partially.

The organization of clinical training for residents in the opinion of 81% fully satisfies them, and 15% partially. Fully (74%) and partially (22%) are satisfied with the teaching methods. There is enough time for practical training (supervision of patients, etc.) - 82% fully agree, partly 13%. Satisfied with the methods of assessing my knowledge and skills - 78% fully agree, partially 21%. According to 73% of teachers in the classroom, they use active and interactive teaching methods regularly, and according to 23% - rarely.

According to 81% of the respondents, teachers constantly provide feedback after the end of classes, but according to 16% - sometimes and 2% - rarely. 81% of respondents are fully satisfied that they are studying at a university, partially 16%, disappointed - 1% of respondents. The university allows you to improve or acquire the necessary knowledge and skills in the chosen specialty of residency 82% are sure, 7% are not sure, 9% cannot give an answer, 1% would like to believe it, 1% began to doubt it. Fully (76%) and partially (23%) are satisfied with the organization of teaching at KazNMU.

According to 71% of respondents, accreditation is a necessary mechanism to improve educational programmes, but 12% believe that it is not necessary to carry out and 14% doubt the answer. The work of the EEC was assessed as positive - 74%, satisfactory - 14%, i.e. most.

Results of the survey of teachers of residency programmes:

The total number of teachers on the list is 40. The total number of respondents is 39, including those with up to 5 years of experience - 18%, up to 10 years - 21%, over 10 years - 62%. 59% are fully satisfied with the organization of the educational process, partially - 33%. At the university, ethics is observed and subordination is fully agreed by 72%, partially - 26%. 67% of respondents are completely satisfied with the organization of work and workplace, partially 26%. In the organization there is an opportunity for career growth and development of competence for teachers - 67% fully agree, partially - 26%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish research results - 72% fully agree, 23% partially. 59% of respondents are fully satisfied with the work of the personnel department, 28% are partially satisfied. The majority of those surveyed have undergone advanced training for the last 5 years. Only 69% fully agree that they can realize themselves as professionals, and 29% partially. Unfortunately, 33% did not answer the question of whether the university supports the teacher in participating in international and national events, and 21% did not address this to the management or the relevant administrative staff of the university. The majority of respondents (74%) fully agree, and 23% partially agree that residents have free access to patients and clinic resources. In a practical lesson, teachers provide residents primarily with syllables (87%), control and measuring instruments (90%), case studies (72%). The level of prior training of residents upon admission to training programmes is fully satisfied by 28% of respondents, partially - 62%. 58% of respondents do not know about the implementation of social programmes to support teachers and 8% of respondents doubt about their existence. Management and administration systematically listen to the opinion of teachers - 28%, sometimes - 28% of respondents. When teaching residents, a variety of teaching methods are used, but more often work in small groups (74%), analysis of situational tasks (90%), oral questioning and analysis of a topic (74% and 87%, respectively), also problem-oriented training (62%), solving tests (64%), less often cases are compiled and solved (56%). Completely according to 59%,

The results of the questionnaire are presented in the appendix and, in general, demonstrate the positive aspects of training in residency programmes, at the same time, they identify areas for improvement (social support programmes for teachers, availability of leadership and administration for teachers and residents, pedagogical competencies and professional development of teachers).

Conclusion on the basis of the external evaluation:

Members of the EEC have carefully studied and assessed the main indicators of the accredited educational programme. The information received by external experts during the study of the self-assessment report, preparation of a written review with recommendations for improvement, implementation of the activities of the visit programme of KazNMU was analysed. All the information received was compared with the data of the self-assessment report, which made it possible to make sure of the accuracy of the information provided to KazNMU and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, KazNMU described its best practice in observing accreditation standards, during the external expert evaluation, the EEC members 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 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), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

When conducting an external examination, the Rules for the training of medical personnel in residency were taken into account (order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16), paragraph 13. It was established that the clinical bases of all residency programmes are 106, which provide training for all levels of medical care (from primary health care to highly specialized). The accredited educational programme has 1 clinical base, of which 1 was visited by experts. 1. The volume of study load and treatment and prophylactic work in specialties is determined by the individual work plan of the student of residency (item 14) for one year and is monitored by monthly reports of the resident in any 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 for medical and pharmaceutical specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated 02.21. No. KR DSM-12/2020 Chapter 2. Requirements for the content of residency educational programmes with a focus on learning outcomes), the educational programme has undergone changes and additions 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 and development. There is no general provision or requirements for the implementation of scientific work at the university, at the same time, the departments conduct proactive research in which residents participate through writing reviews, collecting patient data, analysing the literature and patient examination results, preparing reports and presentations at conferences). Also, 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 Healthcare System No. 360-VI ZRK dated July 7, 2020, external experts studied the activities and held 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 for the current state educational standard is being implemented for 2 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 (CEPs, meetings of departments), the assessment of educational programmes (CEP), decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for admission and assessment of residents, development of the content of individual plans of residents and selection of mentors.

At the same time, this substantiated the need for inclusion in post-accreditation monitoring, along with the implementation of the EEC recommendations, an analysis of the implementation of the criteria of Standard 9, an annual report on the contingent of students.

Recommendations for improving activities in the implementation of the educational residency programme in the specialty 7R09160 - "Oncology and hematology for children" on 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 November 20, 2020.

The programme of the 3-day visit of the external expert evaluation of the EEC has been fully completed. On the part of the KazNMU team, the participation of all persons indicated in the programme is ensured.

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

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

The clinical base where the residents are trained - the largest scientific centre in the country with specialized departments, highly qualified personnel, allows creating conditions for high quality training for residents under the educational programme 7R09160 - "Oncology and hematology for children".

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational programme of residency in the specialty 7R09160 - "Oncology and hematology for children" of KazNMU and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

The team of the Department of Pediatric Diseases with a course of neonatology, implementing the residency programme as the basis of the mission of the educational programme and goals, adopted the mission of the university and informed the interested parties (teachers, employers, residents) about it in order to clearly understand the tasks and strive to meet the needs of practical health care ... The structure of the educational programme, where there is a dominance of practical training (75%), the sufficiency of clinical bases and the mentoring system allow strengthening the patient-centered approach in the care and treatment of patients. The university organized training and clinical practice in compliance with safety for all participants in the educational process (safety precautions, use of PPE, instructions before training).

Responsible for the residency programme, the Department of Pediatric Diseases with a course of neonatology applies a variety of innovations in the learning process, which allows developing the basic and special competencies of residents, namely, work at the patient's bedside, clinical analyzes, solving situational problems, protecting medical records, training in laboratories.

The experts received convincing data that the university is autonomous in making decisions in the development of an educational programme in terms of the elective component, the current and final assessment policy, including the choice of assessment methods (testing, oral questioning, clinical examination), selection and admission of residents (specialty exam), personnel policy in relation to teachers under the accredited educational programme, as well as the distribution of resources (classroom fund of clinical bases according to contracts).

The EMCD defines the final learning outcomes in accordance with the qualification requirements for the residency specialty. The University has developed a Student Ethics Code, which residents are familiar with and work on the development and improvement of communication skills is carried out systematically and integrated into the work programme.

At the same time, the participation of practical health care in the development of the mission and goals of the educational programme is not sufficiently reflected, peer review is formalized and feedback from practical health care is not collected when forming optional components.

The major disciplines are represented by six disciplines - " Children's Oncology and Hematology in the hospital 1,2,3" (45 credits), "Intensive care in pediatric oncology and hematology" (21 credits), "Clinical and laboratory diagnostics in oncology and hematology of children" (15 credits), "Radiation therapy in pediatric oncology and hematology" (9 credits), "Radiation diagnostics in pediatric oncology and hematology" (8 credits), "Outpatient pediatric oncology with hematology" (34 credits). The teaching of academic disciplines is built on the basis of modern achievements in the field of 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. Residents under the guidance of curators, mentors participate in research

work, publish articles, abstracts, make reports at scientific - practical and clinical conferences. The daily need to use evidence-based medicine data for the effective management of patients forms the competence of continuous professional development among residents.

Residents participate in the EP assessment process 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 (schedule of classes, etc.), the curriculum for elective disciplines, the list of elective disciplines, the library fund and other issues directly related to the process learning.

Overall, Standard 1 demonstrates compliance.

Strengths:

1. Experience in training residents since 2008 and the expansion of training specialties in postgraduate education, provided by the best clinical bases and professional teaching staff.

2. Collaboration with practical health care to train residents through a mentoring system.

3. A clear vision and strategic planning in postgraduate clinical education and an appropriate management structure.

4. The educational programme contains both theoretical and practical components, strengthening the practice and the result of such training should be a doctor. At the department with the continuity of teaching EP with an emphasis on the formation of practical skills, the solution of diagnostic and pediatric procedures in patients with oncological and hematological pathology is protected.

5. The Scientific Centres for Pediatrics and Pediatric Surgery provides the best patient care that is appropriate, effective, compassionate and safe in problem solving and health promotion, including a patient-centered and holistic approach.

6. The Scientific Centres for Pediatrics and Pediatric Surgery has included the formation of professionalism in the training of residents and promotes the professional autonomy necessary for a specialist to act in the interests of the patient and society.

7. Training of residents of oncologists and pediatric hematologists is carried out on the basis of the largest, multidisciplinary clinical bases of the city with a strong staff, which contributes to the fulfillment of the mission.

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely -16, significantly - 1, partially -0, do not correspond - 0.

Standard 1: completed

Recommendations for improvement identified during the external visit:

1) To improve the awareness of employers and other stakeholders with the mission, goals and end results of the EP on residency.

Standard 2: EDUCATIONAL PROGRAMMES

Accredited residency programme in the specialty 7R09160 " Children's Oncology and Hematology " is implemented in accordance with the State Compulsory Standards and Model Professional Curriculum for Medical and Pharmaceutical Specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated 02.21. [No. KR DSM-12/2020](#) Chapter 2. Requirements for the content of educational programmes of residency with a focus on learning outcomes) for 2 years and during this period, a lot of work has been done on the development of teaching materials, organization places of training of residents, the formation of the composition of departments and the identification of mentors. A model of residents' competencies has been introduced in accordance with the qualification requirements for the specialty. The structure, content and duration of the programme are clearly defined. The mechanism for the development and approval of the residency programme is determined and regulated by the CPC.

The teachers of the departments use a variety of methods of active (business games, brainstorming, clinical analyzes, case studies, etc.) and traditional (oral analyzes, mini-lectures) training, according to which staff members are periodically trained within the university, less often in

other organizations (Nazarbayev University, NJSC "MUK", etc.). The dean's office is trying to monitor this process and, through the School of Pedagogical Skills, train newly hired teachers.

Due to the availability of clinical bases for residents, they spend most of their study time in close contact with patients, medical records, including automated health care systems. Residents are taught by mentors to work with automated health care systems. During interviews with residents, the experts were convinced that the organization of training and work is focused on patients, at the same time, theoretical analyzes of complex topics and the study of literature in modern databases are carried out at the Department of Pediatric Diseases with a course of neonatology. Clinical training is carried out in the conditions of accredited multidisciplinary clinics and a highly specialized scientific centres in Almaty.

In total, according to the accredited educational programme, there are 7 mentors in 4 clinics, which carry out their activities in accordance with the Regulation on mentors. No precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external assessment.

During the examination of the educational programme, it was established that the scientific foundations and methodology of medical research, evidence-based medicine are applied, at the same time, residents are fully involved in the scientific work of the department, have clearly defined research topics, performance criteria, including clinical trials.

Thus, the educational programme of residency in the specialty 7R09160 Pediatric Oncology and Hematology demonstrates the integration between education and health care.

Strengths:

1. There is a model for training residents through the integration of education and clinical training with a sustainable mentoring system.

2. Strengthened hands-on training of residents through appropriate specialty clinical sites with broad access to resources.

3. Professional and experienced teaching staff, ensuring the high-quality implementation of the educational programme.

4. An effective mentoring system.

5. The department ensured that the content of the residency programme meets the requirements of the State Educational Standard of the Republic of Kazakhstan and ensured the breadth and depth of training for residents in accordance with the name of the programme and specialty. Uses practice-oriented training, ensuring residents' personal involvement in health care delivery and patient care responsibility.

6. Department and Uses practice-oriented training, ensuring residents' personal involvement in health care delivery and patient care responsibility.

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

Standard 2: completed

Recommendations for improvement identified during the external visit:

1) Provide in the educational programmes for training residents in the management of scientific research, and medical statistics, health care organizations as a component of their choice.

2) The scientific component should be prescribed in thematic plans in the form of the implementation and defense of scientific projects.

3) Strengthen academic mobility, exchange of residents and teaching staff on high-tech methods of diagnosis and treatment with foreign universities.

4) Document the representation of residents to participate in the development and implementation of a residency programme (for example, a council of residents or other advisory body).

Standard 3: ASSESSMENT OF TRAINEES

KazNMU has developed and implemented a policy for assessing residents, which includes the principles and methods of assessment, which are reflected in the "Academic Policy of the University" (Order No. 195 of 08/28/2019), Regulations on the current monitoring of progress, intermediate and final certification of students of the NJSC KazNMU. Responsibility for the implementation of the policy for assessing the educational achievements of residents is borne by the teaching staff of departments, heads of departments (modules), the office of the registrar.

The assessment of the educational achievements of residents covers the assessment of key competencies, and the assessment tools themselves are developed by departments / modules - control questions, tasks in test form (MCQ tasks with several options for correct answers), a list of practical skills, situational tasks, clinical situations. Information about the point-rating system of assessment is posted on the website www.kaznmu.kz...

As an additional method for assessing residents, the portfolio is used, which the experts got acquainted with at the departments supervising the residency programmes. Residents are engaged in research work, which must necessarily end with the publication of a scientific article or a report at scientific and practical conferences. The assessment of scientific work also affects the overall assessment of the discipline.

In 2019, residents of 1 year of study in the specialty 6R115000 - Pediatric Oncology and Hematology took part, published articles and made presentations in international scientific and practical conferences:

- "Immunotherapy in the treatment of cancer patients", Almaty, KazNIIOiR November 11, 2019.
- Turik Alemi Orthopedics Zhane Traumatology Congress, 11-15 Kyrkuyek, 2019. "Suyek zhane Zhumsak tinderdiñ Isikteri"
- "Diagnostics and treatment of vitamin B12 deficiency" Master class 09/26/2019
- in a master class with the participation of foreign experts from Austria, Prof. M. Minkov and Prof. Markus Seidel from October 7 to 11, 2019. "Modern methods of diagnosis and treatment of histiocytosis and primary immunodeficiency conditions in children"
- "A healthy child is the future of the nation" within the framework of the 2019 University days programme "Pediatrics of the XXI century. Modern challenges and tendencies",
- "Modern approaches to the treatment of immune thrombocytopenia and aplastic anemia in children", with the participation of specialists from the Rogachev Centres for Oncology, Hematology and Immunology, Moscow, November 16, 2019.
- "Young researcher: challenges and prospects for the development of modern pediatrics of pediatric surgery" in the framework of the celebration of the 90th anniversary of KazNMU named after S.D. Asfendiyarov, March 03, 2020
- "Akanov Readings: Topical Issues of Medicine and Health Care" V International Scientific and Practical Conference of Students and Young Scientists "Science and Medicine: Modern View of Youth"
- "Apsatar readings" 2020

The number of exams in each course is regulated by the Standard Curriculum, which is an integral part of the State Educational Standard of the Republic of Kazakhstan 2017, 2020. in the specialties of residency. The results of educational achievements of students are entered into an electronic educational journal through the office-registrar system and the AIS "Sirius" programme, which automatically generates examination sheets.

The possibility of an appeal based on the results of the interim and final certification of residents is determined in the "Academic policy for the 2019-2020 academic year."

The procedure for planning, organizing, monitoring and analyzing assessment methods in KazNMU ensures the reliability and validity of these methods. The development of new control and measuring instruments is carried out by teachers through the study of world experience in assessing knowledge in residency, then it is introduced at the department.

Thus, this standard is generally implemented at the university.

Strengths:

1. Resident appraisal policy formulated and implemented
2. Principles, objectives, methods and practices for the assessment of residents, including specialist qualification exams, have been defined, established and published. An additional set of assessment methods and formats are used according to their "applicability", which includes a combination of validity, reliability, learning impact, acceptability and effectiveness of assessment methods and formats in relation to established learning outcomes
3. Evaluation principles, methods and practices are used that promote integrated learning and engagement in clinical practice, and provide interprofessional learning.
4. The system is used to appeal the results of the assessment based on the principles of fairness and through adherence to the legal process.
5. Electronic system "Sirius", which ensures transparency and speed of registration of the results of the assessment of residents.
6. A portfolio of residents has been introduced, which makes it possible to assess the development of additional competencies of a resident.

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

Recommendations for improvement identified during the external visit:

- 1) Document the assessment of the validity and reliability of the CIS with a view to continual improvement.
- 2) Develop quantitative indicators for the implementation and assessment of scientific work by residents.

Standard 4: TRAINEES

The relationship between the mission and the selection of residents is provided, a balance is ensured between the available potential and opportunities for training and the recruitment of residents. A policy on the criteria and process of selection of students is formulated and implemented, including the admission of residents with disabilities, requiring the necessary conditions and equipment in accordance with national legislation and the regulations take into account the safety of doctors and patients.

The number of residents has been established to match clinical / practical training opportunities, clinical mentoring potential and other available resources, national and regional human resource needs in accordance with the chosen field of medicine.

There is a system of academic consulting for residents. The consultations are based on the results of monitoring training progress, including unintended incidents. Support is provided to residents focused on social, financial and personal needs.

Participation of residents in all medical activities of clinical sites is ensured. Training for residents is permitted under special circumstances in accordance with an individual training programme and taking into account previous experience in providing medical care.

Thus, this standard is generally implemented at the university.

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

Standard 4: completed

Recommendations for improvement identified during the external visit:

- 1) When admitting to residency, provide for combined methods of assessing applicants in order to increase the objectivity of results.
- 2) Apply to the Ministry of Health of the Republic of Kazakhstan on the possibility of solving the problem of employment of graduates of residency in non-state Republican research medical centers.

Standard 5: TRAINERS

A policy of recruitment and admission of teachers, managers and mentors has been developed and implemented, which determines the required experience, criteria for scientific, educational, pedagogical and clinical achievements, including the balance between teaching, scientific activities, specialist qualifications, their responsibilities, duties of employees and, in particular, the balance between teaching, research and health care.

Its recruitment and recruitment policies take into account the mission of the curriculum, the needs of the education system and the needs of the health care delivery system, ensure that teachers and residents have sufficient time to teach, mentor and train, and provide a teacher and mentor development programme.

The ratio between the number of teachers who have received recognition and the number of residents is determined, their individual relationship and monitoring of the achievements of residents are guaranteed.

Thus, this standard is generally implemented at the university.

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

Standard 5: completed

Recommendations for improvement identified during the external visit:

1) Provide for the improvement of the teaching qualifications of the teaching staff of the residency not only in the universities of the republic, but also in foreign universities.

2) Provide training of clinical mentors from among doctors of practical health care in pedagogy and psychology.

3) Increase the reach of academic residency teachers in teaching innovative teaching methods.

Standard 6: EDUCATIONAL RESOURCES

Residents are provided with a base and opportunities for practical and theoretical training, access to the latest professional literature and sources, adequate information and communication technologies and equipment for teaching practical skills, a safe environment for self-directed learning, material and technical equipment and equipment are regularly assessed and updated to ensure their compliance and quality assurance in postgraduate education.

The basis for training residents has been identified and approved and access to appropriate clinical sites, a sufficient number of patients, appropriate patients, and information about patients with various problems to achieve educational goals, including the use of opportunities for both inpatient and outpatient care and shifts, will be provided.

Full access to web and electronic media is available.

Residents gain experience working in a team of peers and other health care professionals, provide training in an interdisciplinary / interprofessional team, and develop the ability to work effectively with peers and other health care professionals.

Residents receive knowledge and are able to apply the scientific foundations and methodology of scientific research in the chosen field of medicine, as well as are provided with an appropriate integration and balance between training and research, promoting the participation of residents in medical research, the development of health quality and the health system, which include research in the basic biomedical, clinical, behavioral and social sciences, define and implement accessibility policies for residents and provide them with training opportunities in alternative organizations within or outside the country.

Thus, this standard is generally implemented at the university.

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

Standard 6: completed

Recommendations for improvement identified during the external visit: none

Standard 7: PROGRAMME EVALUATION

The educational programme is regularly monitored, the programme is evaluated in relation to the admission policy and needs of education and the health care system, the process of implementing the educational programme, assessment methods, residents' progress, teacher qualifications, identified problems and shortcomings, the transparency of the assessment process and results for management and all stakeholders will be ensured.

Constantly studied Feedback on the curriculum from faculty, residents, employers, faculty and residents is involved in planning the programme evaluation and using the results of the evaluation to improve the programme.

Monitoring of qualified specialists is systematically carried out, feedback on clinical practice from employers is provided, residents are informed about the results of the assessment of clinical practice, persons responsible for admitting residents and planning an educational programme.

It is documented that all educational programmes, including training at clinical sites, are approved by the authorized body on the basis of clearly established criteria, evaluation of the educational programme and the existing powers for approval.

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

Standard 7: completed

Recommendations for improvement identified during the external visit: none

1) Introduce an assessment of the educational activities of clinical mentors through the eyes of residency graduates.

Standard 8: GOVERNANCE AND ADMINISTRATION

The educational programme is conducted in accordance with the requirements of the regulatory rules regarding the admission of residents (selection criterion and number), the process of assessing knowledge and skills, established learning outcomes, the completion of training is documented by awarding degrees, issuing diplomas, certificates or other official qualifications for use by national and international authorized bodies.

There is a clear range of responsibilities and authorities for the provision of educational programmes with resources, including the target budget for training, the resources necessary for the implementation and implementation of the training programme are allocated and the distribution of educational resources is in line with needs. A residency programme has been defined and approved in cooperation with all stakeholders.

Thus, this standard is generally implemented at the university.

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

Standard 8: completed

Recommendations for improvement identified during the external visit:

1) Improve the efficiency of the CPC in terms of the assessment and unification of syllabuses.
2) Raise awareness of residents about the possibilities of material and social assistance from the university

3) Introduce an assessment of the educational activities of clinical mentors through the eyes of residency graduates.

Standard 9: CONTINUOUS RENEWAL

The process, structure, content, learning / competency outcomes, knowledge and skills assessment are updated, deficiencies are documented, resources are allocated for continuous improvement.

The updating process is based on prospective studies and analyzes and on the results of our own study and assessment and literature on medical education, the development of principles and methods of assessment is in accordance with changes in the established results and teaching methods

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

Standard 9: completed

Recommendations for improvement identified during the external visit: none

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

5. Recommendations for improving the educational residency programme in the specialty 7R09160 - " Children's Oncology and Hematology " KazNMU:

Standard 1: MISSION AND END OUTCOMES

1. To improve the awareness of employers and other stakeholders with the mission, goals and end results of the EP on residency.

Standard 2: EDUCATIONAL PROGRAMMES

2. Provide in the educational programmes for training residents in the management of scientific research, and medical statistics, health care organizations as a component of their choice.

3. The scientific component should be prescribed in thematic plans in the form of the implementation and defense of scientific projects.

4. Strengthen academic mobility, exchange of residents and teaching staff on high-tech methods of diagnosis and treatment with foreign universities.

5. Document the representation of residents to participate in the development and implementation of a residency programme (for example, a council of residents or other advisory body).

Standard 3: ASSESSMENT OF TRAINEES

6. Document the assessment of the validity and reliability of the CIS with a view to continual improvement.

7. Develop quantitative indicators for the implementation and assessment of scientific work by residents.

Standard 4: TRAINEES

8. When admitting to residency, provide for combined methods of assessing applicants in order to increase the objectivity of results.

9. Apply to the Ministry of Health of the Republic of Kazakhstan on the possibility of solving the problem of employment of graduates of residency in non-state Republican research medical centers.

Standard 5: TRAINERS

10. Provide for the improvement of the teaching qualifications of the teaching staff of the residency not only in the universities of the republic, but also in foreign universities.

11. Provide training of clinical mentors from among doctors of practical health care in pedagogy and psychology.

12. Increase the reach of academic residency teachers in teaching innovative teaching methods.

Standard 7: PROGRAMME EVALUATION

13. Introduce an assessment of the educational activities of clinical mentors through the eyes of residency graduates.

Standard 8: GOVERNANCE AND ADMINISTRATION

14. Improve the efficiency of the CPC in terms of the assessment and unification of syllabuses.

15. Raise awareness of residents about the possibilities of material and social assistance from the university

16. Introduce an assessment of the educational activities of clinical mentors through the eyes of residency graduates.

7. Recommendation to the ECAQA Accreditation Board

The members of the EEC came to a unanimous decision to recommend to the Accreditation Council to accredit the educational programme of residency in the specialty 7R09160 - " Children's Oncology and Hematology " for a period of 5 years

Chairman	Turgunov Ermek Meyramovich	
The foreign expert	Kashirskaya Natalia Yurievna	
Academic expert	Zhumalina Akmaral Kanashevna	
Academic expert	Ramazanova Raigul Mukhanbetovna	
Academic expert	Esengaraeva Saule Damirovna	
Academic expert	Beketova Bayan Beysengalieвна	
Academic expert	Akhmetova Almira Kalikapasovna	
Academic expert	Urazova Saltanat Nurgozhaevna	
Academic expert	Kalieva Sholpan Sabataevna	
Academic expert	Zhantelieva Lyazzat Asanovna	
Academic expert	Madyarov Valentin Manarbekovich	
Academic expert	Sadieva Zhanar Zamankhanovna	
Academic expert	Lovinskaya Anna Vladimirovna	
Representative of practical health care	Zholdasbaeva Kyrmyzy Zhumabekovna	
Representative of practical health care	Nartpayeva Asel Tarasovna	
The representative of the residents	Bayashov Erdos Nuridinuly	
The representative of the residents	Tarasyukov Alexander Andreevich	
The observer ECAQA	Umarova Makpal Aldibekovna	

**Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty of residency
7R09160 " Children's Oncology and Hematology " of KazNMU**

Standard	Criteria for evaluation	Assessment			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
	Number of standards = BS * / SU				
1	MISSION AND END OUTCOMES 17 = 10/7	10/6	1		
2.	EDUCATIONAL PROGRAMME 31 = 22/9	22/9			
3.	ASSESSMENT OF TRAINEES 11 = 7/4	7/4			
4	TRAINEES 30 = 18/12	18/12			
5	TRAINERS 7 = 5/2	5/2			
6.	EDUCATIONAL RESOURCES 21 = 10/11	10/11			
7.	PROGRAMME EVALUATION 15 = 10/5	10/5			
8	GOVERNANCE AND ADMINISTRATION 15 = 8/7	8/7			
9	CONTINUOUS RENEWAL 4 = 1/3	1/3			
	Total: 151 = 91/60	90/59	one		
		151			

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

No.	Names of documents	number	Date of approval
1.	Educational programme specialties 7R09160 - "Children's Oncology and Hematology"	1	05/26/2020
2.	Syllabuses by specialties	6	08/28/2020
3.	Individual curricula for residents	13	08/28/2020
4.	Resident portfolio	13	08/28/2020
5.	Internal reviews of the EP	3	06/10/2020
6.	External reviews of the EP	3	06/10/2020
7.	REPORT on self-assessment of the educational programme of residency in the specialty 7R09160 - "Children's Oncology and Hematology"		08/15/2020
8.	Rules for admission to residency	1	07/15/20