

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
7R01124 "ONCOLOGY (ADULT)" OF NJSC " ASFENDIYAROV KAZAKH NATIONAL
MEDICAL UNIVERSITY " FOR COMPLIANCE WITH STANDARDS FOR
ACCREDITATION OF POSTGRADUATE EDUCATION PROGRAMMES (RESIDENCE
SPECIALTIES) IN MEDICAL EDUCATION ORGANIZATIONS

period of external expert evaluation: 26.05.-28.05.2021

Almaty, 2021

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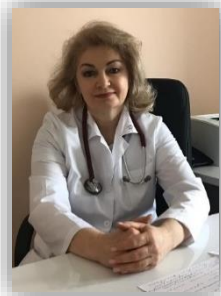
LIST OF SYMBOLS AND ABBREVIATIONS:

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

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

1. Composition of the External Expert Commission

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



Chairperson of the External Expert Commission

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

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

Foreign expert (online)

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



Foreign expert

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



National academic expert

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





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



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



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



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



National academic expert
KUDABAEVA KHATIMIA ILYASOVNA,
Candidate of Medical Sciences, Professor
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NJSC "West Kazakhstan Medical University
named after Marat Ospanov "



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



National academic expert

IGIMBAEVA GAUKHAR TLEUBEK KYZY,
Candidate of Medical Sciences, Professor,
Republican Coordinator of Continuous
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on the Issues of Mortality Reduction from BSC
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Kazakhstan, Consultant Cardiologist of the
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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,
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programme of residency in the specialty
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National academic expert

MAUKAEVA SAULE BORANBAEVNA,
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Head of the Department of Infectious Diseases
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NJSC "Semey Medical University"



National academic expert

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Candidate of Medical Sciences,
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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.



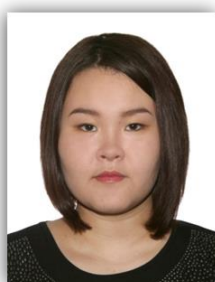
Expert - resident representative

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
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ECAQA Observer

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The work of the EEC was carried out in accordance with the Regulations on the EEC (Order of the ECAQA Director general No. 4 dated February 13, 2017).

The EEC report contains an assessment of the educational programme of residency in the specialty 7R01124 "Oncology (adult)»KazNMU for compliance with Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational institutions of ECAQA, recommendations of the EEC on the further improvement of the educational activities of KazNMU in the field of postgraduate education.

2. General part of the final report of the EEC

2.1 Presentation of the NJSC "Asfendiyarov Kazakh National Medical University "(KazNMU) and the educational residency programme in the specialty 7R01124" Oncology (adult) "

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 681 residents, including in the specialty 7R01124 "Oncology (adult)" 9 people. In 2019 and in 2020dah 158 and 146 residents were graduated respectively, in the specialty 7R01124 "Oncology (adult)"- 6 and 8 respectively.

The total number of teachers involved in the educational process of residency in the above specialty is 22 people, among them Doctor of Medical Sciences - 6, Ph.D. - 11, no degree (presence of a medical category) - 5..

2.2 Information on previous accreditation

Accreditation of the educational programme of residency in the specialty 7R01124 "Oncology (adult)" 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 7R01124 "Oncology (adult)"

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

Self-assessment report educational programme presented on 122 pages of the main text, as well as attachments on 123-148 pages, 17 attachments in PDF format, electronic versions of documents by reference to googledisk: 9 documents (Self-assessment "Oncology (adult)", QED residency 20-21, EP_onc kaz, EP_Onc.Rus., Reviews (2) for the EP of residency, Reviews (2) for CIS 1 and 2 years of study), syllabuses.

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 7R01124 "Oncology (adult)", at the same time, the beginning of training in 2009, in 2019-2020 and 2020-2021. learns 9 and 13, respectively.

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

In the EP on residency, the central place is given to the development of modern clinical thinking skills, interpretation of the results of clinical trials, taking into account evidence-based medicine data, the presence of concomitant diseases, the physiological profile of the patient in a specific clinical situation.

Each discipline includes training from the standpoint of evidence-based medicine, research management and public health, teaches the search for reliable and high-quality information, the ability to differentiate it in terms of value and use it effectively in clinical practice and research work. Knowledge of the basics of evidence-based medicine contributes to the formation of skills for self-assessment of scientific publications from the standpoint of the reliability and validity of the study, the use of these principles in conducting clinical analyzes, planning and analyzing research works, and interpreting the results of clinical trials. Residents use the knowledge of evidence-based medicine, monitoring and analysis of clinical trials in the applied clinical link, in accordance with the disciplines studied by the EP.

To achieve the final learning outcomes, the student must use the knowledge and skills of evidence-based medicine at all levels of medical care. All clinical bases of the department operate in accordance with the clinical minutes of the meetings of the Ministry of Health of the Republic of Kazakhstan, based on evidence-based medicine.

The practical training includes elements of problem-oriented training, the implementation of project research. To develop residents' skills and knowledge of critical judgment and justification of solving problems based on evidence-based medicine, the departments use active teaching methods...

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 7R01124 "Oncology (adult)", 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 NU "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 dated 17.02.2017 g.) and according to the programme and schedule approved on May 11, 2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector prof. Nurgozhin T.S.

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

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

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

N o.	FULL NAME.	Position
1.	Nurgozhin Talgat Seitzhanovich	Rector of Asfendiyarov KazNMUa
2.	Doctor of Medical Sciences, Professor	
3.	Bayldinova Clara Zhenisovna	Vice-rector for academic affairs
4.	Baimakhanov Abylai Niyatovich	Dean of the Faculty of Postgraduate Education
5.	Tusupbekova Sandugash Kairatovna	Head of the Department of Academic Affairs
6.	Kulzhakhanova Samal Sanatovna	Head of the Alumni Career Centre
7.	Nagasbekova Bayan Serikkanovna	Head of Human Resources Development Department
8.	Sapakova Madina Mukhtarovna	Head of HR Department
9.	Tulepbaeva Gulzhan Sovetovna	
10.		Head of Clinical Department
11.	Nurmakhanova Zhanat Makhmutovna	
12.		Chairperson of the Committee for Educational Programmes (residency)
13.	Ensegenova Zoya Zharbulatovna	Chairperson of the Committee for Educational Programmes (residency)
14.	Syzdykova Aigul Temirbulatovna	Deputy CFO
15.		
16.		Residents specializing in Oncology (Adult), Ophthalmology, Obstetrics and Gynecology.
17.	Modovov Nurbol Alimbaevich	Library manager
18.	Saliev Timur Muydinovich	
19.		Head of the Atchabarov SRIFM
20.	Balmukhanova Aigul Vladimirovna	Deputy Head of the Atchabarov SRIFM
21.		
22.		Practical health care representatives (not affiliated with KazNMU)

The sequence of the visit during May 26-28, 2021 is detailed in the Visit Programme, which is located in the documentation of the accreditation centre and in the Attachment to this report.

Vice-rector for academic activities Bayldinova K. Zh. presented by EEC and given information on the purpose of the visit. This interview provided evidence that the mission of the residency programme and the mission of the university are fully consistent with each other. The vice-rector announced a strategy for the development of postgraduate education, including residency programmes, which indicates a clear vision of the university and an interest in improving residency programmes, taking into account the needs of practical health care. The experts asked questions about the academic load of teachers, clinical mentors.

Meeting with the Dean of the Faculty of Postgraduate Education Baimakhanov A.N. and Director of the Department for Academic Work Tusupbekova S.K. allowed the experts to find out how the Internal Quality Assurance Policy in postgraduate education works in the context of the ESG. To search for evidence of compliance with standard 4, experts asked questions about the current status of a resident in accordance with the Health Code of the Republic of Kazakhstan. The following tasks of the dean's office were also analyzed - the formation of state orders for specialties, the admission of residents, the provision of resources, the assessment of educational programmes of residency. It was found that the dean's office closely cooperates with the departments teaching residents. The resources of the residency programme are provided by cooperation with such foreign partners as Saratov State Medical University, as well as within the framework of the Mevlana academic exchange programme. From the conversation with the dean, it was determined that the residents work in the clinics in a safe environment.

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

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

The head of the department for clinical work Tulepbaeva G.S. reported to the experts about the availability of resources for clinical practice and the work of residents, about cooperation with clinical bases. Residents in the specialty 7R01190 - "Nephrology, including children's", are trained at the following clinical bases: National Scientific Center of Surgery named after A. N. Syzganov, City Clinical Hospital №7, NSCS named after A.N. Syzganov, RDC, DCCH # 2, University Clinic # 1, MC "Sunkar". The equipment of clinical bases contributes to the high-quality organization of the educational process and the provision of specialized and highly specialized inpatient and outpatient care to the population of the region. Gulzhan Sovetovna gave a description of mentoring in residency, representation of residents in the consultative and advisory bodies (CAB) of the university - CEPs, the Academic Committee.

An interview with the chairperson of the committees of educational programmes Zh.M. Nurmakhanova and Ensegenova Z.Zh., who reported on the stages of development, examination and further analysis of the effectiveness of the work of educational programmes, monitoring for making additions and changes. During the interview, the issues of the work of the committees, the functioning of internal working groups, the inclusion of residents and employers in their composition were

discussed. Also, the chairperson of the CEP described the work of independent experts, a group of testers who monitor the quality of the classes, the quality of writing tests.

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

Interviews with 15 residents, including three students on the accredited educational programme, were conducted online, but nevertheless, they managed to get answers to questions such as the possibility of using the library and other electronic resources, the availability of communication with teachers and clinical mentors, safety in within the framework of the COVID-19 pandemic at clinical sites using PPE, the performance of scientific work, the possibility of field residency and academic mobility, the availability of residence in a hostel. In general, all residents noted the sufficiency of library and electronic resources, compliance with protective measures, the availability of communication with university staff and representatives of practical health care, carrying out scientific projects and the possibility of passing an on-site residency as part of an educational programme in appropriate medical institutions. Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their opinions on the organization of training, assessment of their skills, and advisory support. At the same time, residents would like more independence in managing patients and holding international events.

An interview with the head of the library, N.A. Modov, made it possible to assess the provision of the residency programme with educational, methodological and scientific literature, including electronic forms. The total number of the main recommended literature is 5 million 406 thousand, of which there are textbooks and manuals by Kazakh authors, 235 thousand 14, the share of e-books is 0.6%. So, according to the accredited programme, there are 20 textbooks, 3 monographs, the university purchases the journal "Oncology Issues", there is access to 9 international databases, which provides an opportunity for residents and teachers to participate in research and development and other events.

The library provides remote access via the Internet to the fund of its electronic catalog, to world electronic resources, catalogs of leading foreign centres, universities, publishing houses, which provides an opportunity for residents and teachers to participate in research and development and other events. The library organizes webinars and lectures on an ongoing basis.

An interview with the head of the Atchabarov SRIFM Saliev Timur Muydinovich and deputy Balmukhanova Aigul Vladimirovna allowed the experts to learn about the scientific directions of the university, the system of motivation and participation in R&D of teachers of the departments of residency and residents, about the organization of R&D by residents on practice bases, the possibility of publishing R&D results of residents and teachers in journals, including university journals. KazNMU Bulletin. In 2020, the University carried out 12 projects, 6 - within the framework of grant funding (MoH RK, MES RK), 6 - with other sources of funding for a total of 58,500 million tenge.

One of the important tools of accreditation expertise is interviewing employers - representatives of practical health care who are not affiliated with KazNMU. A total of 16 people were interviewed, including the head of the nephrology department of Children's hospital No.2 Alpysbaeva S.D. During the interview process, it was possible to establish that, in general, employers are satisfied with the competencies of graduates. Interviews with 16 employers on all the educational programmes of residency of KazNMU declared for accreditation were conducted online and included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of KazNMU, satisfaction with basic knowledge and skills residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, 100% employment of residency graduates. Also, employers made a proposal to expand the base for residents to undergo field residency not only in central city clinics, but also in district ones, subject to the possibility of implementing an educational programme, since this expands the range of

key competencies of the resident and allows early formation of independence in the management of patients and the formation of clinical thinking.

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 clinical base of KRIOR JSC: The clinic was deployed with 430 beds, where more than 8500 patients receive treatment annually. The provision of medical care covers all types of oncological diseases. The Kazakh Research Institute of Oncology and Radiology has departments that are the only ones in the republic to provide assistance to patients with some forms of malignant neoplasms. These are the Department of Head and Neck Tumors, the Department of Bone and Soft Tissue Tumors, the Department of Oncurology, and the Department of Pediatric Oncology. In the clinic of the institute, more than 1500 surgical interventions are performed per year for all tumor localizations, many of which are organ-preserved and reconstructive-plastic in nature,

In the conditions of the Kazakh Research Institute of Oncology and Radiology, modern principles of drug therapy for malignant tumors, including high-dose chemotherapy, are widely used.

The clinic is equipped with modern equipment of the latest generation for full, in-depth diagnostics and treatment of tumor processes. Modern laboratories of the Institute carry out all types of laboratory research from general clinical to molecular genetic.

A review of resources showed that the university's clinical base for the implementation of an accredited educational programme, available for review at the time of an external visit, meets the goals and objectives, since has a sufficient number of thematic patients, modern equipment and demonstrates accessibility to students, and employees who simultaneously perform the role of teachers and curators (mentors), provide quality teaching in an ethical and deontological manner. Before the start of the corresponding discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during training.

The experts examined the documentation on the educational programme 7R01124 "Oncology (adult)" at the link <https://drive.google.com/drive/folders/1FjbOSq-JcHvquVn42DkTdJ5p-VCFLmbb?usp=sharing>, which confirmed compliance with accreditation standards, including documentation about 8 teachers and 2 mentors for residents and at the request of EEC members.

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

The programme of the expert's visit included a visit to the simulation centre of KazNMU, located on Shevchenko Street and equipped with 500 units. modern equipment. The area of the centre is over 2.7 thousand square meters. For the implementation of the residency programme in the specialty 7R01124 "Oncology (adult)", the simulation centre has: Model of an adult for mastering cardiopulmonary resuscitation; Model of a child for mastering cardiopulmonary resuscitation; Harvey Plus - advanced simulator for physical examination of a cardiac patient; [Shoulder Injection Trainer with Mobile Feedback Device](#); where residents can form and develop the skills of physical examination of the patient, emergency care, preparation for the Independence attestation. In a conversation with the head of the simulation centre, Dr. med. Talkimbayeva Nayley Anuarovna found out that the residents' classes are held according to the schedule and the topics are integrated into the working curricula 7R01190 - "Nephrology, including children's".

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

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 obtain evidence of programme quality, 15 residency alumni were interviewed 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, providing assistance to patients with COVID-19, image work, and support for residents. Further, a final discussion of the results of the external assessment, study of documents, results of interviews, 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 7R01124" Oncology (adult) "for compliance with the ECAQA Accreditation Standards".

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

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 "7R01124" Oncology (adult) "and a final vote on the recommendations for the ECAQA Accreditation Council - to accredit this programme for a period of 5 years. Then the chairperson of the EEC for the management and employees of the educational organization announced recommendations based on the results of an external assessment as part of the accreditation of educational programmes for residency specialties.

Results of the survey.

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

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

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

83.5% of residents, 14% partially agree, 1% strongly disagree (2 people), 1.5% doubt the answer (3 people).

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

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

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

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

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

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

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

Of all the respondents, 84% answered that teachers regularly use active and interactive teaching methods in the classroom, 12% expressed the opinion that such teaching methods are used only occasionally, and 1.5% believe that they are rarely, and the remaining 2.5% answered, that they doubt or do not know what it is.

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

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

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

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

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

The majority (86%) of respondents believe that the accreditation of an educational institution and educational programmes is an important and necessary mechanism for ensuring the quality of education in residency, 6% doubt the answer, 5.5% do not know what it is.

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

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

Results of the survey of teachers of residency programmes: The total number of teachers on the list is 64, including those with up to 5 years of experience - 7.81%, up to 10 years - 20.31%, over 10 years - 71.88%.

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

Of all the respondents, 84.38% are full-time teachers, 6.25% are part-time teachers, 6.25% are not involved in teaching residents, 1.56% are mentors, 1.56% are not related to residency programmes.

84.38% are completely satisfied with the organization of the educational process, partially - 15.63%. According to the survey, 84.38% of teachers completely agree that ethics and subordination are observed in KazNMU, the remaining 15.63% believe that it is partially. 75% of respondents are completely satisfied with the organization of work and workplace, partially - 23.44%, and 1.56% (1 person) are not completely satisfied. The organization has an opportunity for career growth and the development of competence for teachers: 75% fully agree, 25% partially.

70.31% of respondents fully agree that in this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research, 28.13% - partially agree, and the remaining 1.56% (1 person) - completely disagree. According to the survey results, 46.88% of respondents are completely satisfied with the salary, 17.19% - more NO than YES, 15.63% - more YES than NO, 12.5% did not give an answer, 7.81% - completely dissatisfied.

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

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

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

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

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

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

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

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

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

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

70.31% of the respondents fully agree that this survey is useful for developing recommendations for improving the key areas of activity of this organization, 15.63% partially agree with this, 12.5% found it difficult to answer. Of all respondents, 67.19% believe that accreditation of educational programmes is an important and effective mechanism for ensuring the quality of postgraduate education, 28.13% did not understand what accreditation is, 23.44% expressed the opinion that it is,

but in combination with other mechanisms (certification, audits, independent assessment of students' knowledge).

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

Conclusion on the basis of the external evaluation:

Members of the EEC have carefully studied and evaluated the main indicators of the accredited educational programme. The information obtained by the expert during the study of the self-assessment report, during the preparation of a written review with recommendations for improvement, 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 31 documents confirming compliance with ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme NCIE described his real educational practice in postgraduate education. Before visiting the organization by examining the attachments to the report provided by the postgraduate education department and access to 31 Google Discus documents <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 until 2025, teaching materials of disciplines, syllabuses, control and measuring instruments, checklists, portfolio of residents, individual plans of residents for the 2019-2020 academic year, publications of teachers, rules for admission to residency, personnel policy, internal programme quality assurance systems, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for residents to work with literature, patient documentation, educational and methodological literature), resources on residency on the website <https://kaznm.kz/>, which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

During the external examination, it was found that the Rules for the training of medical personnel in residency were observed (order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. 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 residency educational programmes with a focus on learning outcomes), there have been changes and additions in the educational programme in relation to the development of the research competence of residents, which must participate in the work of the research team.

In 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 7R01124 "Oncology (adult)" according to the current state educational standard is being implemented for 2 academic years, and at this time it is planned to graduate students, nevertheless, the entire educational, methodological, personnel and resource base are estimated at 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 evaluation of residents, the development of the content of individual plans of residents and choosing mentors.

Recommendations for improving activities in the implementation of the educational residency programme in the specialty 7R01124 "Oncology (adult)" for compliance with the Accreditation Standards, developed by the EEC based on the results of an expert assessment, were presented at a meeting with the management on May 28, 2021.

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

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

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

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational residency programme in the specialty 7R01124 "Oncology (adult)" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

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

The university is the largest medical university in the country that prepares specialists at all levels of higher and postgraduate education in all areas of health care. The activities of the University are based on the integration of academic, scientific and clinical activities to provide high-quality and modern medical care to the population and to train professional personnel.

Mission of the educational programme (hereinafter EP) in the specialty 7R01124 "Oncology (adult)" aims to implement [mission of the University](#) by training a qualified doctor, a specialist in oncology, with a system of universal knowledge and professional competencies, capable and ready for independent professional activities in the treatment of oncological diseases.

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

Residency training in the specialty 7R01124 "Oncology (adult)" is carried out on a full-time basis, the term of study is 2 years. According to the State Educational Standard (order No. 647 of the Ministry of Health care of the Republic of Kazakhstan, as amended on February 21, 2020, order of the

Ministry of Health of the Republic of Kazakhstan No. certification - 2 credits, final certification - 2 credits.

Teachers of the Department of Oncology actively cooperate with international foreign universities, research centres, they are members of professional communities of near and far abroad - American Society of Clinical Oncology - ASCO, European Society for Medical Oncology - ESMO, European School of Oncology - European School of Oncology - ESO, National Cancer Institute - Mongolia National Cancer Centre of Mongolia, Gustave Cancer Institute Russi (France), University of Latvia - (Latvia), Tbilisi State Medical University Tbilisi State Medical University (Georgia), Pusan National University (South Korea).

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

Strengths:

1. The development of goals and final results of training residents in the specialty "Oncology (Adult)" is based on state programmes for the development of health care and education of the Republic of Kazakhstan, on the analysis of external and internal changes, analysis of information received through feedback from stakeholders.

2. The main focus of the educational programme is "patient-centered education" of residents.

3. The development of goals and end results of training residents in the specialty "Oncology" is carried out in accordance with the mission and development strategy of the university.

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely - 9, significantly - 8, partially -0, do not correspond - 0.

Standard 1: completed

Recommendations for improvement identified during the external visit: none

Standard 2: EDUCATIONAL PROGRAMMES

Training of residents in the specialty 7R024 - "Oncology (adult)" is planned, organized and implemented in accordance with SCES-2015 (with amendments and additions as of 02.21.2020), orders of the Ministry of Education and Science of the Republic of Kazakhstan, Instructional letters approved by the Ministry of Health of the Republic of Kazakhstan, regulating documents: "Educational and methodical work" from 03/27/2020; "Planning the educational process" from 03/27/2020; "Educational process"; "Postgraduate professional education", determining the order and organization of training specialists in residency in the context of clinical specialties at clinical departments.

The aim of the residency training programme in the specialty 7R024 - "Oncology" is to train a qualified oncologist with a system of universal and professional competencies, capable and ready for independent professional activities.

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

The educational residency programme in the specialty "Oncology" respects the continuity of education on the basis of the established final learning outcomes in undergraduate and internship programmes. The transparency of the training process for residents, including methods, training and

assessment tools, is implemented through information on the university website, AIS "Sirius", the portal "Moodle", "tester.kz".

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-oncologist" and a certificate is graduated.

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.

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.

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

Thus, during a visit to the Asfendiyarov Kazakh National Medical University, experts established compliance with the basic criteria of the accreditation standard: a developed and approved educational programme that meets the requirements of the State Educational Standard of Education 2015 (with amendments and additions as of 02/21/2020) and is implemented in a student-oriented and patient-oriented environment. The educational programme is provided with appropriate methodological documentation and documents accompanying residents (guide, Code, Portfolio structure, EMCD, syllables). Teachers have introduced and effectively apply various teaching methods, mainly of a practical nature, and involve residents in research, which contributes to the formation and development of competencies in the specialty.

Strengths:

1. Flexibility in the implementation of the educational programme.
2. Competence approach to the training of a resident oncologist, taking into account the final results.
3. The University has a certificate of ISO 9001: 2015 accreditation "Educational activities in the field of higher and postgraduate education; medical services, basic and applied scientific research in the field of medicine", valid until 06/18/2023.
4. Using innovative teaching methods to build clinical skills, including simulation

Conclusions of the EEC on the criteria. Out of 30 standards conform: completely - 19, significantly - 11, partially -0, do not correspond - 0.

Standard 2: completed

Recommendations for improvement identified during the external visit: none

Standard 3: ASSESSMENT OF STUDENTS

In order to determine the degree of development of EP by residents according to the State Educational Standard of Education 2015 (with amendments and additions as of 02.21.2020), focused on the final learning outcomes and mastered competencies, current and midterm monitoring of progress, intermediate and final certification is carried out. The general policy, principles, methods used to assess residents in KazNMU are annually reflected in the "Rules for organizing the educational process", as well as in the work programmes and syllabuses of each discipline graduated to students. The educational process of the university provides for a differentiated point-rating assessment of knowledge, reflecting the final result of training and the level of training of students in accordance with the requirements of the State Educational Standard of the Republic of Kazakhstan.

Test tasks, a list of practical and communication skills, are developed by the departments, respectively, EP in the specialty 7R01124 "Oncology (adult)" according to SOP No. 301 of 11.11.2019. "Procedure for the development of tasks in a test form", SOP No. 197 of 08/29/2019. "Development and approval of the system of educational achievements." The review of control and measuring instruments is carried out at several levels - within the department - from an employee of the department, inside the university - from a university employee, or external expert evaluation, when employees of external organizations, associations or employers act as reviewers. Reviews are recorded at a meeting of the department or meetings of the CEP.

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

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

Strengths:

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

Conclusions of the EEC on the criteria. Conform from 11 standards: completely -4, significantly -7, partially - 0, do not correspond - 0.

Standard 3: completed

Recommendations for improvement identified during the external visit: No

Standard 4: STUDENTS

For the educational programme 7R01124 "Oncology (adult)" in 2019, 9 residents were accepted under the state order. To attract applicants, an announcement was published with information on the KazNMU website (requirements for applicants; functional duties of an oncologist, characteristics of the base where training will be conducted, and the teaching staff.

In the 2020-2021 academic year, 12 residents were recruited for the first course of residency.

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

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

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

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

Strengths:

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

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

3. The University and KRIOR have a variety of ways to implement the personal growth of residents.

Conclusions of the EEC on the criteria. Out of 30 standards conform: fully -18, significantly - 10, 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 process of developing policies for the admission and selection of residents.

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

Standard 5: ACADEMIC STAFF / FACULTY

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

On the basis of the Residency Regulations, teachers, clinical mentors and curators of residents are appointed from among the teaching staff who have a doctorate or candidate of medical sciences, an academic PhD degree, as well as doctors of the first and highest qualification categories corresponding to the profile of the discipline taught and are actively involved in scientific and practical

activities in the industry. Highly qualified specialists of practical health care are involved in the educational process. For the successful adaptation of the resident to work on a clinical base, the decision of the department assigns mentors. Resident Mentors are appointed from experienced department physicians or department directors. Volunteers, experienced oncologists with extensive experience from specialized departments are also involved in training residents.

The University pays great attention to ensuring due recognition and reward for the merits of teaching staff. With the aim of staffing the university with competent and experienced personnel, ensuring sufficient material conditions for the conscientious performance of official duties, production efficiency and quality of work, the relationship between specific labor results and increasing the material interest of workers, for achievements in scientific activity, innovation in work, long-term and flawless work, and for other achievements in work at the University are various forms of labor incentives and material incentives.

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

Strengths:

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

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: No

Standard 6: EDUCATIONAL RESOURCES

Training of residents in the specialty "Oncology (Adult)" is carried out at the clinical base of JSC "KRIOR". The equipment of the clinical base contributes to the high-quality organization of the educational process and the provision of specialized and highly specialized inpatient and outpatient care to the population of the Republic of Kazakhstan. The classrooms are equipped with personal computers, multimedia installations, office equipment. For a number of years, the clinic has been carrying out a phased work aimed at solving the problems of ensuring the safety of patients, residents, and medical staff of the institution.

The clinical base has a sufficient bed fund, and the Department of Oncology - a sufficient number of classrooms for conducting practical exercises of independent work of residents.

The scientific library of KazNMU provides access to such popular Databases as: Web of Science - webofknowledge.com, Elsevier - Sciencedirect.com, Scopus - scopus.com, Cochrane Library, DynaMedPlus, MEDLINE Complete, eBook Clinical Collection, RIEB - rmeb.kz, Database "Epigraph".

In EP, specialty 7R01124 "Oncology (adult)". In the discipline - "Oncology in the hospital" in the first year of study includes questions related to health promotion and cancer prevention.

Information support for the work of residents in the specialty 7R01124 "Oncology (adult)" is carried out through: mass media (Facebook, Telegram, etc.) the university website; electronic creeping line; television monitors in the foyer of educational buildings; boards of official information of the administration, dean's offices; information boards in hostels and departments; radio broadcasting on the territory of the University.

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

Strengths:

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

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

Standard 6: completed

Recommendations for improvement identified during the external visit:

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

Standard 7: PROGRAMME EVALUATION

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

The EP created by a team of authors in the specialty 7R01124 "Oncology (adult)" was considered and approved at a meeting of the department on 03/02/2020, minutes No. 8, CEP internship and residency - dated 03.03.2020, minutes No. 4, was heard at a meeting of the Academic Committee 04/03/2020, protocol No. 3, approved by the Senate of the University on April 24, 2020, protocol No. 6.

Feedback on EP specialty 7R01124 "Oncology (adult)" at the Department of Oncology is carried out once a year, for the collection and processing of the results of the discussion is the responsibility of the head. department and teacher responsible for residency.

The QMS department monitors the satisfaction of internal and external consumers of the university.

All stakeholders (faculty, students, employers) are involved in the programme evaluation process through representation in the relevant structures.

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

scientific and practical problems, organize and conduct research and management activities. The monitoring and evaluation system of EP residents in the specialty "Oncology (Adult)" covers absolutely all aspects of the organization, implementation and evaluation of EP: development, approval of EP

Strengths:

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

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

Standard 7: completed

Recommendations for improvement identified during the external visit: none

Standard 8: GOVERNANCE AND ADMINISTRATION

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

The Vice-Rector for Strategic Development, Science and International Cooperation determines the development strategy of the University, the implementation of the development strategy, mission and policy of the University in the field of quality in all areas of its activities, the definition of strategic directions for the development of the University, ensuring the participation of the University in national and world rankings, preparation for accreditation university.

The effectiveness of the organizational structure and management system of the organization is strengthened through periodic and systematic review.

Academic leaders of the university are persons in the management and management of structural divisions responsible for making decisions on academic issues: Chairperson of the Board - Rector, deputy chairperson of the board, deans, heads of departments, heads of structural divisions, course leaders. Periodic assessment of the activities of the university leadership is carried out at a meeting of collegial and advisory bodies through internal audit and self-assessment.

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

In the NJSC Kazakh National Medical University is functioning an effective system for monitoring the activities of the university, developed in accordance with the recommendations of international standards.

Thus, during a visit to the "Asfendiyarov Kazakh National Medical University "experts found that the medical education organization has a management system that contributes to the achievement of mission and goals, maintains institutional efficiency and integrity, creates and maintains an environment for learning and research and creative activity.

Strengths:

1. The academic leadership structure ensures the quality and effectiveness of the University's activities.
2. Administration and management at the University is carried out in accordance with international standards, regularly updated by internal regulatory documents in the field of health care,

which ensures increased competence and the achievement of the final learning outcomes in the specialty profile.

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

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

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

Standard 8: completed

Recommendations for improvement identified during the external visit:

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

Standard 9: CONTINUOUS RENEWAL

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

The process of updating the EP is based on prospective studies and analyzes, on the results of our own experience, studying the literature on medical education, studying the needs of the labor market.

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

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

Strengths:

1. Monitoring of OPR "Oncology", based on joint work with health care practitioners and other stakeholders, allows us to respond in a timely manner to external and internal challenges.
2. Introduction and further improvement of the mentoring institution.

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

Standard 9: completed

Recommendations for improvement identified during the external visit:

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

Thus, all 9 accreditation standards have been met, no inconsistencies in the fulfillment of the criteria of each of the basic accreditation standards 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 7R024 - "Oncology (adult)":

Standard 4

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

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

Standard 6

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

Standard 8

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

Standard 9

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

2. Improve mechanisms of relationships with key stakeholders.

6. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous opinion to recommend to the Accreditation Council to accredit the educational residency program in the specialty **7R024 - "Oncology (adult)"** Asfendiyarov KazNMU for the period of 5 years.

Chairman of the EEC

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



The image shows a vertical list of 20 horizontal lines, each with a handwritten signature in blue ink. The signatures are written in a cursive style and correspond to the names listed on the left side of the page. The lines are evenly spaced and extend across the width of the page.

**Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty
7R024 - "Oncology (adult)" of " Asfendiyarov KazNMU "**

<i>Standard</i>	<i>Criteria for evaluation</i>	<i>Number of standards = BS * / SI</i>	<i>Grade</i>			
			<i>TOTAL</i>	<i>Totally coincides</i>	<i>Significantly corresponds</i>	<i>Partially compliant</i>
1.	MISSION AND END OUTCOMES	17	9	8		
2.	EDUCATIONAL PROGRAMME	31	19	11		
3.	ASSESSMENT OF STUDENTS	11	4	7		
4.	STUDENTS	30	18	10	2	
5.	ACADEMIC STAFF /FACULTY	7	4	3		
6.	EDUCATIONAL RESOURCES	21	13	8		
7.	PROGRAMME EVALUATION	15	2	13		
8	GOVERNANCE AND ADMINISTRATION	15	8	7		
9	CONTINUOUS RENEWAL	4	1	3		
	<i>total</i>	151				

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

No.	Names of documents	Quantity	Date of approval (if applicable)
1.	Educational programme	2	04/20/20
2.	Mentoring clause	1	09/16/19
3.	Review of instrumentation for intermediate certification of 1st year residents		
4.	Review of instrumentation for intermediate certification of 2nd year residents	1	
5.	Review of the EP of residency in the specialty 7R024 - "Oncology (adult)"	2	
6.	WC on specialty 7R024 - "Oncology (adult)"	1	
7.	Self-assessment report of the educational residency programme in the specialty 7R01124 "Oncology (adult)"	1	
8.	QED residency 2020-2021	1	
9.	Syllabuses by specialty 7R01124 "Oncology (adult)"	ten	08/20/20