

To Accreditation Council of the Eurasian Centre
for Accreditation and Quality Assurance in Higher
Education and Health Care
date 10/04/2022

REPORT
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE
EVALUATION OF THE EDUCATIONAL PROGRAMME
ONCOLOGY (ADULT) OF
LLP "NATIONAL SCIENTIFIC ONCOLOGY CENTER"
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS
FOR POSTGRADUATE PROGRAMMES
(RESIDENCY SPECIALTIES) IN MEDICAL ORGANIZATIONS OF
EDUCATION

external expert evaluation period: 29/03/2022 - 31/03/2022

Nur-Sultan, 2022

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List of symbols and abbreviations

Abbreviation	Designation
SCES	State compulsory standard of education
DLT	DLT – distance learning technologies
FA	final attestation
IEPI	Individual Educational Plan
NSOC	National Scientific Oncology Center
CED	Catalog of elective disciplines
MoH RoK	Ministry of Health of the Republic of Kazakhstan
MES RoK	Ministry of Education and Science of the Republic of Kazakhstan
NSOTC	National Scientific Oncology and Transplantology Center
RSCEMC	Republican Scientific Center of Emergency Medical Care
PGE	postgraduate education
AT	Advanced Training
RT	retraining
TS	Teaching staff
EP	Educational Programmes
WEPI	Working Educational plan
NCIE	National Independent Examination Centre
QMS	QMS – Quality Management System
IWRT	work of a resident doctor under the supervision of a clinical mentor during the period of clinical activity of a resident doctor
IWR	independent work of a resident doctor
EMC	educational and methodological council
GPA	Grade Point Average - the arithmetic mean of the grades obtained for all the courses, taking into account the time spent on them
JCI	Joint Commission International

1. Composition of the external expert commission

In accordance with ECAQA Order No. 09 dated March 11, 2022, an External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external evaluation of the educational programme in the period from March 29, 2022 to March 31, 2022 (date), as follows: Oncology (adult):

order №	Status as part of EEC	Full name	Regalia, position, place of work/place of study, course, specialty
1	chairperson	MADYAROV VALENTIN MANARBEKOVICH	doctor of Medical Sciences, Head of the Department of Surgery with a course of anesthesiology and resuscitation NEI "Kazakhstan-Russian Medical University"
2	Foreign expert (online)	SERGEY ALEXANDROVICH RYZHKIN	Doctor of Medical Sciences, Head of the Department of Radiotherapy and Radiology named after Academician A.S. Pavlov, Head of the Department of Additional Professional Education of the Russian Academy of Continuing Professional Development (Moscow), Scientific Secretary of the Department of Medical and Biological Sciences of the Academy of Sciences of the Republic of Tatarstan, accredited expert of the Federal Service for Supervision of Education and Science (Rosobrnadzor)
3	Kazakh Academic Expert	MUSTAFIN ALIBEK HAMZENOVICH,	doctor of Medical Sciences, Professor, Head of the Department of Anesthesiology and Resuscitation of Internship, - "Medical University of Astana" NJSC;
4	Kazakh Academic Expert	UALIKHAN KOSHKARALIEVICH ZHUMASHEV	doctor of Medical Sciences, Professor of the Department of Oncology, NJSC "Asfendiyarov Kazakh National Medical University "
5	Kazakh academic expert (online)	ESENKULOVA SAULE ASKEROVNA	doctor of Medical Sciences, Associate Professor of the Department NJSC "Asfendiyarov Kazakh National Medical University"
6	Kazakh Academic Expert	TRYNKIN ALEXEY VIKTOROVICH	candidate of Medical Sciences, Senior Lecturer of the Department of Surgical Diseases with anesthesiology and resuscitation course

			NEI "Kazakhstan-Russian Medical University"
7	Kazakh academic expert (online)	SLAVKO ELENA ALEKSEEVNA	Candidate of Medical Sciences, Associate Professor of the Department of Infectious Diseases NEI "Kazakhstan-Russian Medical University", Chairperson of PO "Scientific and Practical Society of Gastroenterologists of Almaty"
8	Kazakh academic expert (online)	BAZARBAEVA AIGUL ABAEVNA	candidate of Medical Sciences, doctor of the highest qualification category in pediatrics, head of science and education Scientific Center of Pediatrics and Pediatric Surgery JSC, Distinctive Healthcare Person
9	Kazakh Academic Expert	Ulanbek ZHANBYRBEK KABLY,	M.D., Candidate of Medical Sciences, Associate Professor, Head of the Department of Urology and Andrology, Medical University of Astana JSC
10	Employers' representative	MADINA ERALYEVNA OSPAANOVA	Head of Cryobiology Department of the RSE on REM "Scientific and Production Center of Transfusiology" of the Ministry of Health of the Republic of Kazakhstan
11	Resident Representative	BAIMUKHANOV DAUREN SAMARKHANOVICH	resident of the 4th year of training in the specialty "Neurosurgery, including children's" JSC "National Center for Neurosurgery"

The observer for ECAQA is Umarova Makpal Aldibekovna, Head of Accreditation and Monitoring Department.

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

The EEC report contains an assessment of the Oncology (adult) educational programme for compliance with the Accreditation Standards of postgraduate education programmes (residency specialties) of medical educational organizations and conclusions (hereinafter referred to as Accreditation Standards), recommendations of the EEC on further improvement of approaches and conditions for the implementation of the above-mentioned educational programme and recommendations for the ECAQA Accreditation Council.

2. General part of the final report

2.1 Presentation of "National Scientific Oncology Center" LLP

Organization name, legal form of ownership, BIN	Limited Liability Partnership "National Scientific Oncology Center"
Management body	Management Board
Full name of the chief executive officer	Kulkaeva Gulnara Utepergenovna
Created in	Resolution of the Government of the Republic of Kazakhstan dated July 31, 2006 No.719 "On approval of the Plan for the creation of a cluster of medical services in Astana on the basis of new centers" and the order of the Ministry of Health of the Republic of Kazakhstan dated July 31, 2008 No.433 "On the establishment of JSC "Republican Scientific Center for Emergency Medical Care" (hereinafter – RSC EMC). On July 4, 2014, the RSC EMC was renamed to JSC National Scientific Oncology and Transplantology Center from October 1, 2017 to April 30, 2019, the NSOTC carried out its activities as part of the University Medical Center Corporate Fund. By the Decree of the Government of the Republic of Kazakhstan dated May 11, 2018 No.255 "National Scientific Oncology Center" LLP was established
Location and contact details	Republic of Kazakhstan, 010000 "Yesil" district, Nur-Sultan st. Kerey, Zhanibek Khandar, 3 Tel.: +7 (7172) 70 29 59 E-mail: kense.777@mail.ru Official website: http://cancercenter.kz
State license for educational activities in the residency (date, number)	<i>State license of the Committee for Control in the Sphere of Education and Science of the Republic of Kazakhstan dated July 8, 2010. No. KZ81LAA00007958. Appendix to the State License No. 19005228 dated 01.03.2019 Republic of Kazakhstan, Astana.</i>
Information on branches, subsidiaries (if any)	<i>Not available</i>
Year of implementation of the accredited educational programme (EP)	Training of residents in the National Scientific Oncology Center LLP is carried out in accordance with the State License of the Committee for Control of Education and Science of the Republic of Kazakhstan dated July 08, 2010 No.KZ81LAA00007958 according to state educational order for educational activities in the specialty "Oncology (adult)". The educational (working) programme was developed and approved by EMC NSOC on 14.07.2020.
Duration of training	<i>2 years</i>
Total number of graduates since the beginning of EP implementation	The last issue in 2016 was 2, there was no issue for the period from 2017 to 2021.

Number of residents on EP since the beginning of the current year	4 second-year residents study at the Center
Full-time trainers/ staff involved in EP, incl. % of degree	1 doctor of medical sciences, professor, 3 candidates of medical sciences, 1 doctor of the highest qualification category were involved in work with residents, Operating on 3 clinical bases. 80% of degrees' owners.

Elements of institutional autonomy have been introduced in the Centre. Academic freedom implies the independence of the development and implementation of the EP, within the framework of the standard curricula, of the SCES (21.02.20). Freedom in drawing up the EP is achieved when describing the syllabuses, CED, IEP, WEPL, the form, structure and procedure for the development of which is determined by the organization independently. The EP was approved at the meeting of the EMC NSOC on 14.07.2020.

Assessment of educational achievements of residents is carried out by various forms of control, which are determined by the "Rules for the organization of the educational process in the residence of the NSOC", approved by order of the Chairperson of the Board of the NSOC dated July 5, 2019 No.106-OD.

Admission of persons to the residency is carried out on a competitive basis on the basis of the results of the entrance examination. The admission commission is organized from the teaching staff of the NSOC with the participation of the administration. Persons who have scored at least 75 out of 100 on the examination are enrolled in the residency.

100. Persons who scored the highest points on the exam (Order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. KR DSM-270/2020. Registered in the Ministry of Justice of the Republic of Kazakhstan on December 15, 2020 No. 21802 "On approval of the rules for placing a state order, admission to education and training of medical personnel in the residency").

The NSOC has an EP that meets the requirements of the SCES (21.02.2020), is staffed with employees with clinical experience and scientific titles, training is carried out on the basis of the Scientific Center, where there are sufficient resources for training resident oncologists. Persons who have completed training in the educational programme of the residency and successfully passed the final certification are awarded the qualification "doctor" in the relevant specialty of the residency and a certificate of completion of residency is issued.

The EP of the residence meets the international requirements and the 8th level of the national framework of qualifications in medical education and the Structure of qualifications in the European Higher Education Area.

Training of resident oncologists is carried out at the Center with personal participation in the therapeutic and diagnostic process, both in class time and during independent work.

Conditions and means have been created for the personal participation of residents in the provision of medical care at the level of PAMC and hospital. Practical training is carried out through the daily personal participation of a young specialist in medical activities using methods of diagnosis and treatment based on evidence-based medicine, the acquisition of practical skills provided for in the curriculum, and work to promote a healthy lifestyle.

Methods of training residents include: seminars, webinars, conferences, case-studies, training, team-oriented training (TBL); training based on simulation technologies, role-playing games, brainstorming method, group discussion method, portfolio, combined survey, small group training method, simulation technologies, presentations.

The material and technical equipment of the NSOC makes it possible to effectively implement active methods of training (analysis of clinical cases, maintenance of medical records, examination of the quality of medical care, management of patients, training in a clinic with the participation of a real patient, training in primary health care, attendance at medical conferences, consultations, teaching using web-technologies); training through research (participation in the NSOC).

Analysis of teaching methods, examination of the quality of educational programmes is carried out regularly by the education department of the NSOC, by mutual attendance of classes, the participation of teaching staff in scientific and methodological seminars, conferences.

2.2 Information on previous accreditation

In 2019, NSOC LLP successfully passed accreditation for compliance with activities as a subject of scientific and technical activities in the field of health care of the Republic of Kazakhstan (Accreditation

Certificate No. 005912 dated 18.10.2019. Nur-Sultan).

In 2019, NSOC LLP underwent institutional accreditation of postgraduate and additional education organizations (continuing professional development), certificate No. IA00021 dated 04.10.2019, Nur-Sultan.

This educational programme is being accredited for the first time.

2.3 Conclusion on the results of the review of the report on the self-assessment of the LLP "National Scientific Cancer Center" for compliance with the Standards of accreditation of postgraduate programmes (specialty residency) of medical organizations of education and conclusions

The report on the self-assessment of the educational programme "Oncology (Adult)" (hereinafter – the report) is presented on 150 pages of the main text, appendices on 30 pages.

The report is characterized by the completeness of responses to all 9 main accreditation standards and criteria, structured taking into account the recommendations of the Guidelines for the self-assessment of the educational programme provided to the organization of education by the accreditation center - ECAQA, as well as the internal unity of information. The report is accompanied by a cover letter signed by the head of the chairperson of the board, Candidate of Medical Sciences, G.U. Kulkaeva, which confirms the reliability of quantitative information and information included in the self-assessment report.

The report contains a list of 25 members of the internal self-assessment commission, indicating the responsibility of each employee, information about the representative of the organization responsible for conducting the self-assessment of the educational programme – Zhukubayeva A.A., Head of the Education Department.

Self-assessment of the educational programme in the specialty "Oncology (adult)", carried out on the basis of the order of the head No. 324-OD dated 09.12.2021 "On approval of the composition of the working group for training in specialized accreditation of LLP "National Scientific Oncology Center" LLP

The report was reviewed by the accreditation expert: Bazarbayeva A.A., and the reviews noted strengths and areas for improvement, as well as recommendations for additions and changes, including the following:

Standards	Reviewer (s) Recommendations
1	1.1.2 – Indicate the needs for specialist oncologists; The mission of the EP based on the analysis of the needs of public health and the medical care system is not indicated. 1.2.2 Describe specifically how autonomy is demonstrated in the development of EP, selection and admission of residents, selection/selection of teachers, conditions of employment; 1.2.3. Describe the mechanism for the formation and selection of resident oncologists. What specific elective disciplines were there in 2020 2021. in comparison with previous years? 1.3.3. Indicate where the official website of the NSOC contains information about the final competencies of resident oncologists (no information was found during the site inspection). 1.3.4. How the continuity of the RP between the BD and the continuing professional development programmes is guaranteed;
	1.4. Indicate who was involved in the formulation of the mission and deliverables and how?

2	<p>2.1.5. What specific innovative teaching methods are used in the educational process? Describe which stakeholder proposals were taken into account when generating the EP. Describe who are the reviewers of the EP?</p> <p>2.3.4. Describe what adjustments were made to the content of the EP in accordance with the changing conditions and needs of the health care system and the provision of medical care;</p> <p>2.5.1. List the clinical bases that correspond to the specialty 7R01124 – Oncology (adult);</p> <p>2.5.4. Remove the specialty "Anesthesiology and resuscitation, including paediatric" and list the centers (departments) of clinics with the indication of beds where training in the disciplines(modules) of residents in the specialty specialty 7R01124 – "Oncology (adult).</p>
3	<p>3.1.6. Describe who reviews the scorecards, CIS? Specify the mechanisms for studying the validity of CIS;</p> <p>3.1.8. Provide the full name of external examiners during the certification of residents in the specialty 7R01124 – "Oncology (Adult)";</p> <p>3.2.2. Describe what skills resident oncologists are practicing on simulation equipment.</p>
4	<p>4.3.6. List career opportunities for graduates of EP?</p> <p>4.4.1. Describe the participation of residents in collegial bodies;</p> <p>4.4.2. Describe examples of resident proposals to improve the educational process.</p>
5	<p>How many mentors are involved in the implementation of EP 7R01124 – "Oncology (adult);</p> <p>5.1.1. Indicate the pedal load and the balance between teaching, research and medical care.</p> <p>5.1.3. This section states that "the Rules "Control and coordination of the work of the resident doctor " specify the responsibilities of the clinical mentor, teacher, head, head of the department, as well as the senior resident doctor." What are the requirements for a senior resident physician?</p> <p>Describe the mechanisms of motivation and the form of remuneration of clinical mentors for their participation in the training of residents;</p> <p>5.2.3. Describe how the activities of teaching staff and mentors are monitored?</p>
6	<p>6.2.1. Describe the structure of clinical bases and the possibility of patient supervision in the disciplines "Radiation therapy", "Medical genetics in oncology", the sufficiency of patients and information about equipment;</p>
7	<p>7.3.1 Provide the results of the NSOC and employment of graduates in 2016;</p> <p>7.4.1. Describe the results of stakeholder participation in the assessment of EP.</p> <p>7.5.1. Specify the mechanism for approving the EP with the participants.</p>
8	<p>8.2. Describe how the EP management system is transparent</p> <p>8.3. Describe the financing mechanism for academic mobility of residents, their participation in international events, etc.</p>

9	Specify the number of beds of the NSOC.
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Thus, in the process of feedback from the representative of the educational organization, experts received answers to the questions that arose and the self-assessment report was amended accordingly and additions were made to the recommendations of the reviewers.

In all standards, the real practice of "National Scientific Oncology Center" LLP for the training of residents in the specialty "Oncology (Adult)" is given, taking into account the beginning of admission (after 2014) of students in 2020, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is sufficiently complete and updated in terms of the number of residents, teachers, administration, information on selection and admission, learning outcomes, results of knowledge and skills assessment, material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement.

The report is submitted to ECAQA in a completed form, with correction of the data on the above recommendations, written in a competent language, the wording for each standard is clear and understandable and described in accordance with the criterion of standards, tables and contain references in the text and have end-to-end numbering.

The quality of the self-assessment report served as the basis for moving to the next stage of the accreditation procedure, the external assessment. The experts plan to validate the report data, compare the information from the report with the information that will be obtained during the visit to the educational institution, i.e. verification of quantitative and qualitative indicators.

3. External expert evaluation assessment

External expert work in the framework of the evaluation of the educational programme Urology and adult andrology, including paediatric, was organized in accordance with the Guidelines for the External Evaluation of Educational Organizations and Educational Programmes of ECAQA (approved by the order of the Director General of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" No.5 dated March 11, 2017) and in accordance with the programme approved by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the Chairperson of the Board of "NSOC" LLP Kulkaeva G.U. Dates of the visit to the organization: 29/03/2022-31/03/2022.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of accreditation standards.

The sequence of the visit within 2 days is presented in detail in the Visit Programme (hereinafter referred to as the Programme), which is contained in the documentation of the accreditation center and in Attachment 3 to this report. The programme is evidence of the implementation of all planned activities within the framework of an external expert evaluation.

To obtain objective information, the EEC members used the following methods and their results:

- interview with management and administrative staff – 5 people in total;
- interviews with resident oncologists - 4 people.
- study of the website <http://cancercenter.kz>;
- interviewing 3 employees, 3 teachers;
- questionnaires of teachers and residents - 9 and 58, respectively;
- interviews with employers and residency graduates – 3 and 1, respectively;
- observation of residents' education: attendance at 1 practical lesson (Discipline: Palliative Oncology, Subject of the lesson: Verbal skills. Non-verbal communication.

Active listening. Spikes is a 6-speed protocol for reporting bad news. Full name of the teacher Ph.D.Shakirova A.F., full name of the residents 2 years of study: Okapova A.A., Daulesh A.Zh., Malysheva A.D., Kaskanova A.A.
<https://us02web.zoom.us/j/9469145873?pwd=SF1vUlcxUW4xZW5mMzU5T2hzbTJhUT09>

- overview of resources in the context of the implementation of accreditation standards: visit to the practice/clinical training departments of the National Scientific Oncology Center LLP, where training is conducted with the participation of mentors

<https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09> ;

- study of educational and methodological documents in the amount of 10 units both before the visit to the organization and during the visit to the units (the list of studied documents is in Attachment 2).

The staff of the accredited organization ensures the presence of all persons indicated in the visiting programme and according to the lists of interviews and interviews (Table 1).

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

№	Full name	Job Title
1	Kulkaeva Gulnara Utepergenovna	Chairperson of the Board of NSOC LLP
2	Zhukubayeva Almira Assetkyzy	head of Education Department
3	Beissenova Nursaule Dmitrievna	Chief Specialist of the Library of the Department of Education
4	Jamila Zhumabekovna Saparbay	Head of Science Department
5	Mukazhanov Adilbek Kairbekovich	Deputy Chairperson of the Management Board for Medical Activities
6	Sagandykov Irina Nigmatzhanovich	Head of the Center for Vascular Surgery
7	Uskenbayev Talgat Aitbayevich	Head of the Center for Multidisciplinary Surgery
8	Adylkhanov Tasbolat Alpysbayevich	Senior lecturer of the sector of teaching staff of the Department of Education
9	Talgat Amanzholovich Kurmanov	Senior Resident of the Oncourology Sector of the Multidisciplinary Surgery Center of the Oncourology Sector of the Multidisciplinary Surgery Center
10	Kemaykin Vadim Matveevich	Head of the Center for Oncohematology and BMT with Oncohematological Resuscitation
11	Tazhmakina Kulshat Temirbekovna	Chief Specialist of the Library of the Department of Education
12	Okapova Aigerim Amangeldyevna	Resident oncologist 2 years
13	Daules Asel Zhanatkyzy	Resident oncologist 2 years training
14	Malysheva Anna Dmitrievna	Resident oncologist 2 years training
15	A.A. Kaskenova	Resident oncologist 2 years training
16	Shakirova Aida Fazylovna	Senior Resident of the Cancer and Gynecology Sector of the Multidisciplinary Surgery Center

Thus, when implementing the activities of the programme, namely, based on the results of the interview with the first head of the organization, members of the advisory and consultative body - the Academic Council, in interviews with residents and teachers, partial compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the NSOC, took part in the formation of proposals for the formulation of the mission, while the mission was brought to the attention of potential residents through the website, social networks, information letters to medical organizations. The strategic plan of the organization for the period of 5 years (2020-2024) was reviewed, including such areas as the development of human resources and research activities, the redistribution

of the source of income for the economic development of the NSOC, the allocation of monetary assets to academic potential, information support and digitalization of processes, increasing the satisfaction of employees with their work, employers, students - the conditions and process of training, which confirms the fulfillment of the accreditation standard and demonstrates the goals, objectives and prospects of the organization. From interviews with residents, it was established that before the beginning of classes, teachers inform about the mission, work plans of the organization of education, tell where to get the necessary information about the educational programme, teachers, training bases. This indicates compliance with **Standard 2** in terms of adapting training to the needs of residents.

The organization's documents contain work programmes, EMCD, which define the goal, take into account the integration of practical and theoretical components, independent work. Compliance with the SCES and standard requirements has been established. Attending a practical lesson in the discipline "Palliative Oncology" and according to the calendar and thematic plan of the lesson topic: "Verbal skills. Non-verbal communication. Active listening. Spikes – a 6-step protocol for reporting bad news" experts received convincing data that the training is carried out according to the plan, before the beginning of the lesson, residents determine the initial level of knowledge, interactive methods are used (it was demonstrated in "role play") of learning, receive feedback from the teacher, have the opportunity to improve the skills of communicative competence. The organization ensures compliance with ethical aspects in the implementation of the educational programme, since the experts studied the code of business ethics (by the decision of the Supervisory Board of the NSOC dated October 31, 2019) and during the interview, the residents replied that they were informed about the content of this document.

The analysis of educational activities showed that the scientific basis and all the achievements of science in advisory disciplines are taken into account, additions are made to the bibliography of the EMCD and syllabuses, and teachers apply them in classes.

A review of the monitoring and measurement tools (tests, situational tasks, written examinations) showed that the organization has implemented an appropriate evaluation policy that allows for a multifaceted assessment of the learning achievements of residents. During the interview, the residents told about the forms of assessment (testing, written exam) and feedback from the teacher, mentor.

The system of appealing the results of the assessment is reflected in the document (according to the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600. Registered with the Ministry of Justice of the Republic of Kazakhstan on October 31, 2018 No. 17650 "On approval of the Standard Rules for admission to training in educational organizations that implement educational programmes of higher and postgraduate education", the Rules for admission to the residency for 2020-2021 academic year, approved by the Board, Protocol No. 6 dated January 15, 2020.) and during the work of the organization of education there were no precedents of appeal. Thus, compliance with standard 3 has been established.

During the visit to the organization and during the interview with the Head of the Education Department A.A. Zhukubayeva, the commission made sure that there is a system and documentation that is transparent and accessible to all teachers and employees, and includes such documents as annual operating plans, annual reports, regulations of departments, contracts with teachers and residents and educational and methodological documentation (work programme, work curricula, syllabuses, journal, evaluation tools (checklists, sheets), certificates and certificates. A review of the website showed that its pages contain the necessary calendar and thematic lesson plans for residents, schedules of the semi-annual assessment, rotation schedules of residents by office, approval of supervisors, and WC, which is regularly updated. This information was obtained during interviews with residents, teachers and employees of the Education Department.

The conversation with the head of the department of science Saparbay D.Zh., the head of the department of education Zhukubayeva A.A. and the senior lecturer of the sector of teaching staff of the department of education Adylkhanov T.A. included such questions as "How many clinical mentors are involved in the implementation of the educational programme "Oncology (adult)"?", "How is admission to the residency carried out?" "Are scientific achievements or results of other student activity taken into account in the selection of applicants for admission to the residency?" allowed experts to learn about the strategy and tactics of recruiting residents, the information security of the educational programme, as

well as to identify problems in the management and development of human resources , about approaches to attracting employees of clinical bases for teaching (a total of 5 mentors: 1 doctor of medical sciences, 3 candidate of medical sciences,1 doctor of the first qualification category. All teachers are active specialists in the field, carry out clinical work in basic institutions (supervise or consult patients, carry out instrumental research, expert assessment of medical histories, carry out scientific work, have scientific publications) and have certificates in pedagogy for up to 5 years.

Interviews with 3 teachers of NSOC, including 3 full-time teachers, showed that there are both successes and problems in educational management, depending on the specific base (admission of residents to the equipment, sufficient number of thematic patients, time for maintaining medical records, independent work). The main clinical base in the NSOC does not provide outpatient polyclinic care within the framework of PAMC, therefore, there is a certain shortage of training for residents in the provision of primary cancer care. In order to solve this problem, the educational programme included an elective discipline "Comorbid diseases of a therapeutic profile in cancer practice in PAMC", according to which residents are rotated to other clinical bases in Nur-Sultan. Experts received answers about the programme of professional development of teachers, financing of this training, availability at teachers of certification on methods of teaching.

On the same day, experts studied materials on the admission of residents and the selection of teachers and established compliance with standard 4.

In order to verify the data of Standard 5, external experts received an opinion on personnel policy and approaches to the development of teachers' pedagogical competence, motivation to work with residents, and mentoring. Experts found that there is a sufficient number of teachers to implement the educational programme. The faculty is formed on the basis of the requirements for the effective implementation of educational programmes, as well as on the basis of the total amount of study load. The number of teachers who implement EP and have an academic degree or/and academic title is 80%. In recent years, the Department of Education has organized training for teaching staff on the topic: "School of clinical mentor. Topical issues of postgraduate education".

Teachers have enough time for teaching, mentoring, stimulate the need for additional training and independent work with literature. During the visit to clinical bases, a survey of resources was carried out, their compliance with training programmes, accessibility for teachers and residents, as far as this equipment is modern and meets the needs of students and practical health care.

Experts obtained evidence of compliance with Standard 6, as well as validation of the information in the self-assessment report.

In order to validate the implementation of the self-assessment report and to obtain evidence on the quality of the programmes, interviews were conducted with residents in the specialty. The experts asked questions about satisfaction with the training, enough time for patient supervision, work with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need, participation in "Morning medical conferences with reports", the availability of resources of international databases of professional literature. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that the organization of education has good resources, image and international relations, at the same time, residents have a fairly high level of independence in the management of patients. Residents are interested in more active participation in academic mobility programmes abroad, and participation in international conferences and symposia.

Residents showed their commitment to the organization of education, were active in answering the questions of external experts, demonstrated their judgment in the organization of training, assessment of their skills, advisory support, the opportunity to participate in R&D. Members of the External Expert Commission (EEC) Experts studied the documents of residents (portfolio, results of assessment of residents - checklists, results of questionnaire of residents).

Interviews with 3 employers were conducted online and included such issues as: knowledge of the mission of the NSOC, participation in the development of the mission and proposals in the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring. Providing NSOC and residents with the

necessary resources for practical training and the formation of clinical thinking, on the problems of interaction with the teaching staff of NSOC. The percentage of employment of graduates of the educational programme implemented in the NSOC was 100%. In general, during the interview with employers, positive feedback was received about the quality of specialist training and their competence as oncologists.

The review of resources showed that they correspond to the goals and objectives of educational activities, for example, the clinical units of the NSOC with a total bed capacity of 242 were visited, and the employees of the organization of education provide a collegial and ethical relationship with medical personnel, the management of the clinical base to achieve the final results of residents. A sufficient number of thematic patients, modern equipment and demonstrates accessibility to students are provided, and employees who simultaneously perform the roles of teachers and mentors (mentors) provide high-quality training in compliance with ethics and deontology. Before starting the relevant discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

The educational programme ensures the compliance of the content of the residency programme with the requirements of the State Standard of the Republic of Kazakhstan, and the training of residents is carried out in accordance with the principles reflected in the State Standard of the Republic of Kazakhstan.

Teaching and learning methods correspond to the ultimate learning objectives. Residents actively participate in the provision of medical care, applying the acquired theoretical knowledge and thereby developing the ability to assume responsibility in various clinical situations. The implementation of the educational programme is carried out using the principles of quality, academic honesty, and the "Anti-plagiarism" programme is also introduced and applied. The organization provides a student-centered approach, and this is confirmed in the report. The principle of mentoring of residents is implemented in the NSOC, and this activity is regulated in the Regulation on mentoring developed and approved by the Academic Council. In addition to obtaining academic knowledge, residents acquire other useful skills through the implementation of socially important activities (sanitary education, work in general education institutions, etc.).

The introduction of a competency-based approach to the educational process ensures the development of knowledge, skills and professional attitude corresponding to different roles of the doctor. The educational programme can be adjusted in accordance with the expectations and requests of employers and the wishes of residents, as demonstrated in the report (feedback study). The self-assessment report describes in detail the structure, composition and duration of the educational programme, clearly defining the mandatory component and the component of choice. Training of oncologists is carried out on the basis of an analysis of the needs of the regional health system. The programme takes into account the final results of training, clearly describes the minimum number of procedures and surgical interventions that a resident doctor must perform in each year of his training. However, when planning the educational programme, equal representation was not ensured and it was not confirmed that all stakeholders (employers, mentors) were involved.

On the last day of the visit to the organization, a meeting of EEC members was held on the results of the external evaluation. The final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of the interview, interviews, questionnaires was held. EEC members started designing the final EEC report. The results of the external evaluation are summarized. Experts individually filled

The experts individually completed the "Quality Profile and Criteria for External Evaluation of the Educational Programme: Oncology (Adult) for Compliance with the ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the educational programme were discussed, and the chairperson of Madiyarov V.M. held a final open vote on the recommendations for the ECAQA Accreditation Council on the accreditation period – 5 years.

For the work of the EEC, comfortable conditions were created, access to all the necessary information and material resources was organized. The Commission notes the high level of corporate culture of the NSOC, the high degree of openness of the team in providing information to the members

of the EEC.

At the end of the programme of the visit, the chairperson of the EEC for the management and employees of the organization of education announced recommendations on the results of an external assessment within the framework of specialized accreditation.

4. Results of the survey.

The ECAQA observer conducted an online questionnaire on 29-31.03.2022 at <https://webanketa.com/>.

The resident survey includes 24 questions.

In total 58 people (in total 70 residents for the current year) answered.

Residents of the 2nd year of study – 55.2%, 1 year – 24%, 4 years of study - 12.2% and 1 year - 8.6% predominated out of the total number of respondents.

This university will be recommended as an educational organization – about 78% fully agree, 17% partially. Fully agree 93% of those surveyed and 7% partially agree that programme managers and faculty are aware of their learning challenges. Fully (79%) and partially (10%) satisfied with the conditions and equipment of the teaching rooms, classrooms of the university. According to 85% (fully) and 5% (partially) office equipment is available for residents on the basis of practice. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - fully agree 83%, partially – 14%. Fully (57 per cent) and partially (16 per cent) satisfied with the library collection and resources. 52% of the respondents are engaged in scientific work under the guidance of their teacher or mentor and 21% believe that they are partially engaged.

According to 88%, the organization of clinical training for residents fully satisfies them, and 9% partially. Satisfied completely (94%) and partially (3%) with the schedule and sufficient time for practical training (patient supervision, etc.). Satisfied with the methods of assessing my knowledge and skills – more than 90% fully agree, partly 9%.

According to 84% of teachers in the classroom use active and interactive teaching methods regularly, and according to 2% - rarely.

According to 97% of respondents, teachers constantly provide feedback after completing classes and only "sometimes" and "rarely" by 2%. 48% of residents say that seminars are held once a week, and 31% 2-3 times a week and 10% daily. Completely satisfied that 98% study at a higher education institution, cannot answer – 2%. Fully (78%) rated on “excellent” and “good” (22%) organization of clinical training. 97% of residents are proud of their clinical mentors.

According to 88% of respondents, accreditation is a necessary mechanism for improving educational programmes, but 5% believe that it is not necessary to conduct and 7% doubt the answer. The most important tool of external expert assessment, which allows to draw conclusions about the quality of educational programmes, 57% of residents consider interviews with residents, 45% attendance at practical classes and seminars, 57% interviews with mentors.

The survey of teachers included 23 questions of the questionnaire. In total 9 people answered, thus pedagogical experience till 5 years – at 22%, till 10-and years - 44%, more than 10 years - 33%.

77.78% are completely satisfied with the organization of the educational process, and 11% are partially satisfied. The university observes ethics and subordination completely agree 88%, partially – 11%. Fully satisfied with the organization of work and workplace 88% of respondents, partially 11%. In the organization there is an opportunity for career growth and competence development to teachers - 77% completely agree, partially – 22%.

In this educational institution, teachers have the opportunity to do scientific work and publish the results of research – 88% completely agree, partially disagree - 11%.

44% of respondents are completely satisfied with a salary, partially -33%, not satisfied – 11%. The majority of those surveyed in the last 5 years have undergone advanced training, so 66% have completed training in the last year. The majority of 88% fully agree that can be realized as professionals,

and 11% - partially. When asked whether the university supports the teacher in participation in international and republican events, 77% answered positively, and 11% did not address this to the management or relevant administrative employees of the university. The majority of respondents (77%) fully agree, and 22% partially agree that residents have free access to patients and clinic resources. At the practical lesson, teachers provide residents primarily with syllabuses (100%), control and measuring tools (77%), cases (88%). The level of prior training of residents upon admission to training programmes is fully satisfactory to 33% of respondents, and partially – to 33%. About implementation of social programmes of support of teachers 33% don't know and doubt about their existence 22% of respondents. The management and administration systematically listen to the opinion of teachers – 88%, there is no answer – 11% of respondents. Various training methods are used in the training of residents, but more often oral surveys and analysis of the topic (77% respectively), analysis of situational problems (77%), work in small groups (44%), practical classes in clinical skills at the training and clinical center – 55%, also problem-oriented training (44%), test solution (55%), less often perform projects (22%). Completely according to 77% that this questionnaire will be useful for the development of recommendations for improving the university and educational programmes of the residency, 22% partially agree with this.

The results of the survey in general demonstrate satisfaction with the educational process, the resources of the clinical base, the competencies of teachers, and also indicate the existence of centralized management of educational programmes. Analysis for compliance with accreditation standards based on the results of an external evaluation of the educational programme in the specialty 7R01124 – "Oncology (adult)" of "National Scientific Oncology Center" LLP

Standard 1: MISSION AND END OUTCOMES

Evidence of compliance:

1.1 1.1 Mission statement and deliverables

The mission of the educational programme and the final results are defined, the public and the health sector are widely informed about the mission of the educational programme and the final results through the website of the NSOC (<http://cancercenter.kz> – Home – About us). The mission takes into account the needs of practical health care, and the recruitment and training of specialists is carried out on the basis of monitoring the needs of specialists in health care organizations in the Republic of Kazakhstan.

1.2 1.2 Professionalism and professional autonomy

The self-report fully reflects the autonomy of the medical organization in the formation of the educational programme, assessment and admission to the residency, selection of personnel for the educational process. Academic freedom of students is reflected in the Rules on the Organization of the Educational Process and the Control of Success. The self-assessment report details the final results of training in the residency, details all the skills, abilities and competencies that a graduate of the residency in the Oncology (Adult) educational programme must possess.

1.3 1.3 Learning outcomes

The EP pays great attention to the formation of practical skills, the solution of diagnostic and clinical situations in patients with concomitant pathology. The main result of the training is the formation of an independent highly qualified doctor, with the need for continuous improvement of his qualifications and professional skills.

1.4 Participation in the formulation of the mission and final results

No full confirmation was found during the interview with all stakeholders.

Conclusions of the EEC on the criteria. Compliant with 17 standards: fully – 16, partially – 1, non-compliant – 0

Standard 1: Implemented

Recommendations for improvement identified during the external visit:

1) When forming the Mission and the final results of the EP, actively involve stakeholders (residents, teachers, clinical mentors, employers, graduates).

Standard 2: EDUCATIONAL PROGRAMME

Evidence of compliance:

2.1 2.1 Postgraduate programme framework

The report on the self-assessment of the educational programme Oncology (Adult) of the NSOC defines a model of the educational programme on the basis of the established final learning outcomes of residents and their qualifications, which ensures systematic and transparent learning. The report provides convincing evidence with references to regulatory documents.

2.2 Scientific method

In the process of training, residents master the basics of evidence-based medicine and use scientific data in their practice.

2.3 Content of the residency programme

The organization provides a student-centered approach, and this is confirmed in the report. The principle of mentoring of residents is implemented in the NSOC, and this activity is regulated in the Regulation on mentoring developed and approved by the Academic Council.

2.4 Programme structure, content and duration

The division of disciplines by hours and semesters is carried out by the Department of Education. All academic disciplines and disciplines of the specialty are closely interconnected. The formation of the content of disciplines is structured into logically completed methodological blocks. The self-assessment report describes in detail the structure, composition and duration of the educational programme, clearly defining the mandatory component and the component of choice. Training of oncologists is carried out on the basis of an analysis of the needs of the regional health system. The programme takes into account the final results of training, clearly describes the minimum number of procedures and surgical interventions that a resident doctor must perform in each year of his training. When planning the educational programme, the needs of all stakeholders are taken into account.

2.5 Organization of training

The main clinical base is the NSOC with 242 beds, of which 217 beds are round-the-clock hospital and 25 beds are day hospital, providing specialized and highly specialized care in the field of oncology, hepatopancreatobiliary surgery, transplantology, oncogynecology, angiosurgery, coloproctology, hematology and oncohematology, coloproctology, orthopedics and osteo-oncology. For training in the profiling and elective disciplines, residents are rotated to the multidisciplinary hospitals of the Medical University of Astana NJSC, the State Enterprise on the Right of Economic Management "Multidisciplinary Medical Center" of Nur-Sultan Akimat, National Scientific Center of Motherhood and Childhood of "UMC" CF. NSOC LLP has all the accreditation requirements, in which medical care is provided within the guaranteed volume of free medical care.

2.6 Relationship between postgraduate medical education and health care

On clinical bases, residents are distributed to their mentors – doctors from practical health care, with at least 5 years of experience, who have the highest qualification category. Under the guidance of a mentor, residents acquire practical skills in diagnosis and treatment from performing the simplest manipulations to assisting and performing the operation independently. Feedback is regularly exchanged between the mentor and the resident, since daily interaction in the clinic implies an analysis of clinical thinking, an assessment of the resident's communication skills.

Conclusions of the EEC on the criteria. Compliant with 31 standards: fully -30, partially -1, non-compliant - 0.

Standard 2: Implemented

Recommendations for improvement identified during the external visit:

- 1) When developing and discussing EP, conduct a systematic analysis of feedback from clinical mentors, employers, graduates, including foreign partners, followed by corrective measures;
- 2) Involve external examiners in the interim and final certification of residents.

Standard 3: ASSESSMENT OF STUDENTS

Evidence of compliance:

3.1 Methods of valuation

Assessment of knowledge of residents is carried out through current, milestone and final control. The NSOC uses software (easy Quizzy) for testing students with graphical support (diagrams, graphs, diagrams, drawings, etc.).

The assessment is based on an oral survey of topics, testing, a written examination and demonstration of practical skills. In order to objectify the evaluation process, independent experts are involved. When conducting the final state certification to assess the educational achievements of residents, the commission includes practitioners of health care, external examiners are involved. The results of students' academic achievements are recorded in the electronic and paper educational journal and form examination sheets. Training logs are filled in accordance with the calendar and thematic plan, in accordance with the schedule and the dates of the current, milestone and final control reflected in the syllabus.

3.2 Relationship between evaluation and training

The methods used to assess the competencies of students in the NSOC are defined in the syllabuses for the disciplines that are discussed and approved at the NSOC EMS. The evaluation criteria are announced in the first lesson for each discipline, and are also presented in the syllabus on the NSOC website. Confirmation of the effectiveness of the education received is based on the results of feedback from the resident – an anonymous questionnaire, very acceptable to the resident, fair, adequate to the skills and corresponds to their future specialty. Evaluation of reports according to the rotation schedule allows to assess the development of the resident's competencies: personal interest, professional competence, communicative, personal qualities, scientific interest.

The conclusions of the EEC meet the criteria of 11 standards: fully - 10, partially – 1, does not comply -0.

Recommendations for improvement identified during the external visit:

- 1) Develop a document regulating the unified evaluation policy, forms and methods of current, milestone and final control for each discipline using evaluation sheets;
- 2) Provide for an assessment of the resident's work in the clinic, on duty, during independent work using unified validated questionnaires and/or checklists.

Standard 4: STUDENTS

Evidence of compliance:

4.1 Admission and Selection Policy

Those wishing to enter the residency can submit documents according to the approved schedule. All the necessary information regarding admission to the residency is presented on the website and the media: astana.nroc- instagram; www.cancercenter.kz-site; astana.nroc-facebook. Applicants for admission to the residency can get advice from the education department. Also, during the examination, it was established that the procedure for conducting examinations was worked out, during which an examination commission is formed, which includes the most experienced, qualified teachers of the NSOC who have an academic degree. There is a list of questions for the entrance exam. Also, when admitting to the residency, in addition to assessing the level of knowledge, the personal achievements of the applicant, the results of previously performed research work are also taken into account. The transparency of the selection of applicants for the residency is ensured by the video recording of the examination.

4.2 Number of residents

The number of residents is carried out within the framework of an order from local executive bodies, based on the emerging need of specialists. Also in the center there is a limited recruitment of residents for training on a fee basis based on the needs of the center. The organization monitors the needs of specialists in the regions, collects feedback from LEB and the number of selected residents varies from year to year depending on the needs of practical health care.

4.3 Resident support and advice

Each resident has a clinical mentor with whom they have a close business relationship. By joining the team, residents become part of the clinical base. In case of difficulties or any difficulties in the educational process or work, the information from the resident comes first to the clinical mentor, who can solve the issues at his level or, if necessary, inform and involve the rest of the faculty members and the center management in solving the problem.

Residents have support from NSOC in the form of employment assistance. The Education Department monitors the career development of graduates and maintains links with them.

4.4 Resident Representative Office

Residents take part in the formation of the educational process and evaluation methods. The NSOC LLP has introduced surveys, questionnaires, including questions on the schedule, methods of training and assessment, conditions of training in clinics, the availability of methodological and information and communication materials, relations with teachers. Based on the results of the survey of residents, plans for corrective and preventive measures were developed, there are no proposals for EP.

4.5 Working conditions

The center has all the conditions for comfortable work of residents (there is a wardrobe, a place for eating, residents are provided with personal protective equipment, there is protection against X-rays during X-ray control operations).

Conclusions of the EEC on the criteria. Compliant with 30 standards: fully - 29, partially – 1, do not match - 0

Standard 4: Implemented

Recommendations for improvement identified during the external visit:

1) Include residents, clinical mentors, employers, representatives of professional associations in the composition of collegial bodies during the development and discussion of the EP, the programme of admission to the residency.

Standard 5: FACULTY

Proof of Conformity:

5.1 5.1 Recruitment and Selection Policy

Systematic work on the training and retraining of scientific and pedagogical personnel is carried out in the NSOC. The personnel policy of the center is carried out by concluding employment contracts, as well as competitive filling of vacant positions in accordance with the rules of the current legislation. Effective and open criteria for recruitment and appointment of teachers are applied by the management, which guarantees equal employment opportunities. The teaching staff is provided with all the necessary means and resources for the effective implementation of the educational programme. There is free access to computers and the Internet.

5.2 Teachers' obligations and development

The scope of activities of the teaching staff and the criteria for training and evaluation are adjusted in accordance with the latest achievements of medical science, correlate with changes in the Mission of the educational programme for residency. TS is provided with equal opportunities for continuous professional training, which are consistent and contribute to the achievement of the mission and final results of the training.

The activities of the teaching staff are planned in accordance with an individual plan, includes educational and methodological, clinical, research work. In accordance with this, appropriate refresher training cycles are organized for teaching staff, confirming certificates of advanced training of teaching staff are filed in the personal files of employees.

Conclusions of the EEC on the criteria. Compliant with 7 standards: fully – 6, partially – 1, non-compliant – 0

Standard 5: Implemented

Recommendations for improvement identified during the external visit:

- 1) Continuously monitor the activities of clinical mentors;
- 2) Expand opportunities for internal and external academic mobility of faculty and residents (between medical universities of near and far abroad).

Standard 6: EDUCATIONAL RESOURCES

Evidence of compliance:

6.1 6.1 Logistics and equipment

NSOC LLP has a fairly extensive material and technical support, during the expert assessment a sufficient number of lecture halls, study rooms, a simulation classroom, a library was demonstrated. The existing material and technical base make it possible to effectively implement the educational programme. A study of the operating unit was also conducted, where practical skills are directly acquired by residents. The operating unit is equipped with modern medical equipment that allows to provide planned and highly specialized medical care.

6.2 Clinical bases

The NSOC LLP has a sufficient bed capacity (242 beds), there are highly specialized centers (departments) in which residents acquire practical skills in the diagnosis and treatment of cancer. Training in the discipline "Radiation Therapy" of the Residency in the specialty "Oncology (Adult)" is carried out on the basis of the State Enterprise on the REM "Multidisciplinary Medical Center" of the Nur-Sultan Akimat in the Center for High-Tech Radiation Oncology. The center has 45 inpatient beds and 5 inpatient day beds. The discipline "Medical Genetics in Oncology" is held on the basis of the National Scientific Center of Motherhood and Childhood of CF "UMC" in the Department of Clinical Genetic Laboratory.

Residents attend a simulation class to practice their skills.

6.3 Information technology

A unified information space has been built in NSOC LLP, the therapeutic process is carried out using an electronic system. Modern information and telecommunication technologies have been introduced, and thanks to this, the teaching staff has access to relevant electronic educational resources.

6.4 Clinical Teams

Residents from the first days join the teams of NSOC, where they acquire skills to work in a team and learn to effectively interact with other health care professionals. Also, in addition to medical work, residents together with the staff of clinical departments participate in scientific and practical conferences, and work in multidisciplinary teams. Working in multidisciplinary teams when choosing the tactics of managing the most complex patients increases the responsibility of residents when they see that effectiveness depends on the correct organization of teamwork. In such situations, the resident performs all work within his competence.

6.5 Medical Research and Advances

Residents carry out research work within the framework of independent work of residents under the guidance of a mentor-teacher, and this helps to consolidate the acquired theoretical knowledge, practical skills and use them in their daily routine practice. During the expert assessment, members of the commission were shown publications of employees in collaboration with residents, speeches at conferences.

6.6 Education expertise

The Department of Education of NSOC LLP demonstrated that continuous work is carried out to assess the quality of the educational programme being implemented in the residency (planning, development, evaluation, implementation and monitoring of EP), teaching staff, employers and students by residents, the Quality Management System Department.

6.7 Training in other institutions

NSOC LLP has all the necessary documentation to ensure the academic mobility of residents and their training in other organizations of Kazakhstan and countries near and far abroad. In addition, the NSOC provides support in obtaining foreign educational/research grants to resident doctors based on their interests. Thus, in 2021, Kochiev Bayram, a resident of 2 years of study, was sent to an internship on 09.06.2021 to 29.06.2021 in Korea. The National Cancer Center in Koyan together with the

specialists of the NSOC, the subject of the internship: "Nuclear Medicine".

Currently, a resident of 2 years of study Kaskenova A.A. from the Medical University Semey NJSC is studying under the academic mobility programme.

Conclusions of the EEC on the criteria. Correspond to 21 standards: fully -20, partially - 1, do not correspond - 0

Standard 6: Implemented

Recommendations for improvement identified during the external visit:

- 1) Expand the number of level 1-2 clinical facilities (PHC).

Standard 7: PROGRAMME EVALUATION

Evidence of compliance:

7.1 7.1 Monitoring and evaluation mechanisms

During the expert assessment, the management of NSOC LLP demonstrated the measures and supporting documents of these measures aimed at continuous monitoring of the educational programme. Evaluation tools and results of evaluation during interim and final certification are provided. Document submitted

The document "Rules for the organization of the educational process in the residency, approved by order No.106-OD of July 5, 2019" is presented.

7.2 Feedback from teachers and residents

Opportunities have been created for teachers and residents to participate in the evaluation and subsequent improvement of the educational programme on a regular basis. Thus, the methodology "Questionnaire 360 degrees" is used in the NSOC.

Also, on a systematic basis, feedback from consumers of medical services provided at the NSOC, where resident doctors are participants and executors of the treatment process, is assessed and the questionnaire of patients clearly demonstrates the competence of residents and the development of their communication skills.

To assess the feedback from teachers and residents, the blog of the Chairperson of the Board is also used, where it is possible to directly receive answers from the first head of the NSOC.

In general, the use of feedback contributes to a better understanding of the current needs of students and teachers and is systematic when making changes to the educational programme.

7.3 Results of Residents and Graduates

The last issue in 2016 was 2, there was no issue for the period from 2017 to 2021.

In the process of external expert evaluation of the activities of the NSOC, it was established that 100% of residents received a specialist certificate and were employed in medical institutions of the Republic of Kazakhstan in a specialty. Also, during the conversation with employers, positive feedback was received about the graduates of the "Oncology (adult)" studied in the walls of the NSOC.

7.4 Stakeholder Engagement

During the evaluation of the implementation of the EP in the NSOC, the education department demonstrated evidence of the involvement of all stakeholders in improving the educational programme. However, during the interview, convincing confirmation was not received from both students and from employers, mentors and graduates.

7.5 Procedure for Approval of Educational Programmes

The procedure for approval of the educational programme is structured as follows. The supervising department of education carries out an assessment for compliance with the SCES. Further, the catalog of elective disciplines is approved on the basis of the needs of residents, employers' requests, and according to the trajectories of specialist training, taking into account pre- and post-requisites. A competent representative of practical health care is also involved in the assessment.

Reviewers of the implemented EP in the specialty "Oncology (Adult)" were: Adylkhanov T.A. – Doctor of Medical Sciences, Professor, Head of the Department of Oncology NJSC "SMU"; Kabildina N.A. – Candidate of Medical Sciences, Associate Professor, Head of the

Department of Oncology of NJSC “MUK”.

Conclusions of the EEC on the criteria. Compliant from 15 standards: fully -14, partially -1, non-compliant - 0

Standard 7: Implemented

Recommendations for improvement identified during the external visit:

1) Involve employers, representatives of professional associations, as well as foreign partners in monitoring and evaluating the educational programmes being implemented.

Standard 8: GOVERNANCE AND ADMINISTRATION

Evidence of compliance:

8.1 MANAGEMENT

8.2 Academic Leadership

The following documents were provided during the expert review of the EEC:

1. Order of the Chairperson of the Board of the NSOC "On approval of the Rules for the organization of educational activities (postgraduate and additional education)" No. 106-OD of 05.07.2019.

2. Concepts for the development of NSOC, approved by Order No.420 of the Ministry of Health of the Republic of Kazakhstan dated August 1, 2019.

4. SOP "The procedure for organizing training in the residency and the procedure for interaction: curator and resident, clinical mentor and resident, medical personnel and resident, and resident" No. 262-OD dated December 30, 2019.

5. The results of the assessment of residents and the achievements of the final results of training under the residency programme.

6. Annual orders of the chairperson of the board on the conduct of the FSA and the composition of the attestation commission. The implementation of EP by residency is carried out in accordance with the regulations approved by the Ministry of Health of the Republic of Kazakhstan and the Government of the Republic of Kazakhstan, as well as the internal rules for the organization of the educational process in the residency.

8.3 Training budget and resource allocation

The management of the NSOC clearly demonstrates the distribution of funds allocated to support the educational process. From the self-assessment report and the documentation provided, it was noted that the center did not finance academic mobility for the period from 2019 to 2022 in connection with the CVI pandemic.

8.4 Administration and Management

During the meeting and interview with the heads and employees of the auxiliary units, it was established that the definition of the financial and economic policy and the management structure of the NSOC is the responsibility of the first head – Chairperson of the Management Board, Candidate of Medical Sciences Gulnara Utepergenovna Kulkayeva. The financial issues in the NSOC are handled by the financial and economic department under the leadership of the First Deputy Chairperson of the Management Board. The First Deputy Chairperson of the Management Board supervises the structures responsible for budget management, including educational programmes of postgraduate and additional education: the Department of Economics and Finance, the Department of Accounting.

8.5 Requirements and regulations

The NSOC LLP follows the definition of the national authorized bodies of the number and recognized medical specialties and other functions of medical experts, for the training of which postgraduate training programmes are developed.

The educational programme of residency in the specialty is implemented in the NSOC "Oncology (Adult)", developed in accordance with the State Standard for the Development of Education-2015 and agreed with the priority areas of legislative and programme documents: Law of the Republic of Kazakhstan "On Education" dated June 27, 2007 No. 319-III; State Programme for the Development of Education of the Republic of Kazakhstan for 2011-2020. Decree of the President of the Republic of

Kazakhstan dated December 7, 2010 No. 1118; State programme for the development of health care of the Republic of Kazakhstan "Densaulyk" for 2016-2019, approved by Decree of the President of the Republic of Kazakhstan dated January 15, 2016 No. 176.

Conclusions of the EEC on the criteria. Compliant from 15 standards: fully -14, partially -1, non-compliant - 0

Standard 8: Implemented

Recommendations for improvement identified during the external visit:

- 1) Provide funding for the production of educational and methodological literature.

Standard 9: CONTINUOUS RENEWAL

Evidence of compliance:

The developed personnel policy of the NSOC, which reflects the priorities for the formation of human resources and criteria for the selection of personnel, including scientific, pedagogical and clinical merits of candidates.

Cycles of advanced training of teaching staff not only in the specialty, but also in the acquisition and possession of pedagogical competencies.

Plans for further training of teaching staff in accordance with the changing needs for postgraduate medical education.

Work is currently under way on the construction of new buildings of the National Scientific Cancer Center (commissioning is scheduled for Q4.2022). It is planned to introduce radionuclide therapy, laser therapy, robotic surgery, etc.

Conclusions of the EEC on the criteria. Compliant with 7 standards: fully – 6, partially – 1, non-compliant – 0

Standard 9: Implemented

Recommendations for improvement identified during the external visit:

- 1) Train clinical mentors in pedagogical skills and ensure their participation at all stages of assessing the achievements of residents.

6. Recommendations for improving the educational programme of the residency in the specialty "Hematology (adult)":

Standard	Recommendations
1	1) When forming the Mission and the final results of the EP, actively involve stakeholders (residents, teachers, clinical mentors, employers, graduates).
2	2) When developing and discussing EP, conduct a systematic analysis of feedback from clinical mentors, employers, graduates, including foreign partners, followed by corrective measures; 3) Involve external examiners in the interim and final certification of residents.
3	4) Develop a document regulating the unified evaluation policy, forms and methods of current, milestone and final control for each discipline using evaluation sheets; 5) Provide for an assessment of the resident's work in the clinic, on duty, during independent work using unified validated questionnaires and/or checklists.
4	6) Include residents, clinical mentors, employers, representatives of professional associations in the development and discussion of EP, admission to the residency.
5	7) Continuously monitor the activities of clinical mentors; 8) Expand opportunities for internal and external academic mobility of faculty and residents (between medical universities of near and far abroad).
6	9) Expand the number of level 1-2 clinical facilities (PAMC).
7	10) Involve employers, representatives of professional associations, as well as foreign partners in monitoring and evaluating the educational programmes being implemented.
8	11) Provide funding for the production of educational and methodological literature.
9	12) Train clinical mentors in pedagogical skills and ensure their participation at all stages of assessing the achievements of residents.

7. Recommendation to the Accreditation Council of ECAQA

Members of the EEC established the compliance of the educational programme 7R01124 – "Oncology (Adult)" of "NSOC" LLP with the Accreditation Standards and came to a unanimous opinion to recommend to the ECAQA Accreditation Council to accredit this programme for a period of 5 years.

Chairperson of the External Expert Commission

Magyarov Valentin Manarbekovich

Foreign Expert

Ryzhkin Sergey Alexandrovich

National Academic Expert

Mustafin Alibek Khamzenovich

National Academic Expert

Zhumashev Ualikhan Koshkaralievich

National Academic Expert

Yesenkulova Saule Askerovna

National Academic Expert

Trynkin Alexey Viktorovich

National Academic Expert

Slavko Elena Alekseevna

National Academic Expert

Bazarbayeva Aigul Abayevna

National Academic Expert

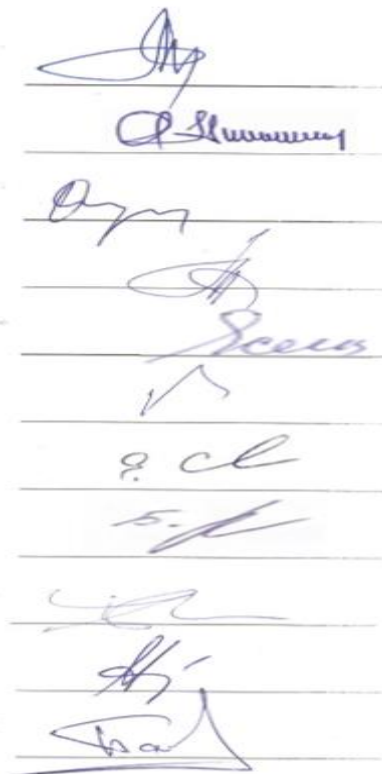
Ulanbek Zhanbyrbekuly

Expert - Representative of Employers

Ospanovamadinaeralyevna

Expert - Resident Representative

Baymukhanov Dauren Samarkhanovich



The image shows a vertical column of ten handwritten signatures in blue ink, each written on a horizontal line. The signatures are stylized and vary in complexity, representing the members of the External Expert Commission listed on the left.

**Quality profile and criteria for external evaluation of the educational programme
(generalization)**

Standard	Evaluation Criteria	Number of standards	Evaluation		
			Fully compliant	Partially compliant	Not compliant
1	MISSION AND END OUTCOMES	17	16	1	
2	EDUCATIONAL PROGRAMME	31	30	1	
3	ASSESSMENT OF STUDENTS	11	10	1	
4	STUDENTS	30	29	1	
5	FACULTY	7	6	1	
6	EDUCATIONAL RESOURCES	21	20	1	
7	PROGRAMME EVALUATION	15	14	1	
8	GOVERNANCE AND ADMINISTRATION	15	14	1	
9	CONTINUOUS RENEWAL	4	4		
	Subtotal:	150	144	7	
			151		

List of documents studied by EEC members within the framework of the accreditation of the educational programme: Oncology (adult)

№	Names of documents	Quantity	Date of approval
1	State license of the Committee for Control in the Sphere of Education and Science of the Republic of Kazakhstan dated December 13, 2016 No. KZ81LAA00007958.	1	date of initial registration - July 08, 2010.
2	Certificate of Accreditation	1	No.005912 dated 18.10.2019 (Nur-Sultan)
3	"Rules for the organization of educational pProcess in the Residency programme of NSOC ", approved by the order of the Chairperson of the Board of NSOC	1	July 5, 2019 No.106-OD.
4	Educational (working) programme, approved by EMC NSOC.	1	14.07.2020
5	Concepts for the development of NSOC	1	August 1, 2019 No.420.
6	Provisions on "Temporary scientific collectives"	1	No.197 dated 30.09.2019
7	Regulations on the Academic Council	1	No.129 dated 29.07.2019
8	Regulation on the Local Ethics Commission	1	No.129 dated 29.07.2019
9	CED for 2021-2022	1	
10	IEPI. WEPI		

THE PROGRAMME
of visits to the External Expert Commission (EEC)
"Eurasian Center for Accreditation and Quality Assurance in Higher
Education and Health Care" (ECAQA) of LLP "National Scientific Oncology
Center" (NSOC)
within the framework of specialized (residency programme) accreditation
external evaluation dates: 29 March-31 March 2022

Time (s)	ACTIVITY	REMARK:
29.03.22	Arrival of EEC members	
Day 1 – 29.03.2022 (Tuesday)		
8:45 AM	Gathering of EEC members at the NSOC (Nur-Sultan, Kerey, Zhanibek Khandar, 3 Venue -1 floor, small conference room	Transport, meeting and escort
9:00-9:20 (20')	Meeting of the EEC members: discussion of the goals, objectives of the external examination, the programme and schedule of the visit to the NSOC. Distribution of responsibilities among the members of the EEC.	Venue: 4th floor
9:20-9:45 (25')	Meeting of the Chairperson and members of the EEC with the leadership of the NSOC. Chairperson of the Board of NSOC Kulkaeva G.U. <u>Content of the meeting:</u> introduction of EEC members, familiarization with the objectives of the visit, interview with the management on the strategy for the development of postgraduate education (residency) https://us02web.zoom.us/j/9469145873?pwd=SFVlUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 1,8,9 5th floor
9:50-10:20 (30')	Organization of training of residents. Department of Education. <i>Zhukubaeva A.A. Beissenova n.d.</i> <u>Meeting content:</u> Functions of the department (position), planning (plan and report), monitoring of implementation (indicators). Number of cases. Formation of a state order by specialty, reception of residents (presentation for 5 minutes). Resident Assessment Policy (Academic Policy). Resource endowment. Competencies of residents, assessment of residents, employment of graduates.	Standards 2,4,7,8 4th floor
10:20-10:50 (30')	Scientific work of NSOC and integration of research in residency programmes. Responsible person: Head of the Department of Science <i>Saparbay D.Zh.</i> <u>The content of the meeting:</u> scientific directions, the system of motivation and participation of teachers in research, the effectiveness of research, ensuring the implementation of research by residents, the choice of research topics, the procedure for approving topics. https://us02web.zoom.us/j/9469145873?pwd=SFVlUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 2,6 1st Floor
10:50-11:05 (15')	EEC meeting: discussion of evaluation results, exchange of views	Venue: 4th floor
11:05-11:50 (45')	Organization of training of residents. Video broadcast from the operating unit. Practical skills training and assessment of residents in the simulation room in the specialties of educational programmes. Responsible persons: <i>Mukazhanov A.K., Ibraev B.E., Sagandykov I.N., Uskenbaev T.A., Kurmanov T.A., Zhusupbekov D.</i> https://us02web.zoom.us/j/9469145873?pwd=SFVlUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 2,3,6 5th floor

11:50-12:40 (50')	Attendance at a seminar in the specialties: Hematology (adult), Oncology (adult). Responsible persons: <i>Kemaykin V.M., Adylkhanov T.A.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 2,3,6,7 1st Floor, 5th Floor
12:40-13:00 (20')	Interview with Resident Trainers/Mentors <u>The content of the meeting:</u> the mission and values of the organization, the contribution of teachers and mentors, the provision of resources for clinical practice and the work of residents, mentoring in the residency (Regulations, lists), the representation of residents in advisory bodies. Responsible persons: <i>Zhukubaeva A.A., Beissenova n.d.</i>	Standard 1,5,7 4th floor
13:00-14:00	Lunch break	
14:00-14:40 (40')	Interviews with residents. Venue: 5th floor, conference hall. Responsible persons: <i>Beissenova n.d.</i>	Standards 1,3,4,7 5th floor
14:40-15:00 (20')	Interview with residency graduates (online). Responsible persons: <i>Beissenova n.d., Bakenova T.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 1,7
15:00-15:25 (25')	Availability of teachers and mentors <u>The content of the meeting:</u> personnel policy regarding the recruitment of teachers for residency programmes, the programme of motivation and development of teachers, training of mentors, evaluation of teachers. Responsible persons: <i>Adylkhanov T.A., Zhukubaeva A.A., Beissenova N.D.</i>	Standard 5.9 4th floor
15:25-16:35 (70)	Visit to the training base of residents of the programmes Angiosurgery (20 min.), General Surgery (20 min.), Urology (20). Responsible persons: <i>Sagandykov I.N., Uskenbaev T.A., Kurmanov T.A.</i> Visit to the library (10 min)- <i>Tazhmakina K.T.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	STANDARD 6. 4th floor, 2nd floor
16:35-16:50 (15')	EEC meeting: discussion of evaluation results, exchange of views	4th floor
16:50-17:10 (20)	Study of documentation on the residency programme: EP, syllabuses, individual plans of residents, resident portfolios, examination materials, results of resident assessment (protocols, statements, etc.)	Standards 1-3 4th floor
17:10-17:30 (20)	Discussion. EEC shutdown. Summing up the first day of the visit.	4th floor
Day 2 – 30.03.2022 (Wednesday)		
8.45	Gathering of EEC members at the NSOC (Nur-Sultan, Kerey, Zhanibek Khandar, 3	
9:00-9:15 (15')	Meeting of EEC members. Discussion of the 2nd day of the visit.	4th floor
9:15-10:00 (45')	Scientific work of doctors-residents of NSOC Responsible person: Head of the Department of Science <i>Saparbay D.Zh.</i>	Standards 2,4,6 1st Floor
10:00-10:30 (30')	Attending a seminar on Angiosurgery, General Surgery, Urology. Responsible persons: <i>Sagandykov I.N., Uskenbaev T.A., Kurmanov T.A.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	Standards 2,3,6,7 1st Floor 4th floor, 2nd floor
10:30-11:00 (30')	Attendance at a seminar on specialties: Radiation diagnostics. Anesthesiology and resuscitation, adult. Responsible persons: <i>Dzhakipov M.A., Umbetzhanov E.U.</i>	Standards 2,3,6,7 1st Floor 4th floor
11:00-11:20 (20')	EEC meeting: discussion of evaluation results, exchange of views	4th floor

11:20-12:00 (40')	Interviews with employers of residency graduates (online).Responsible persons: <i>Beissenova n.d., Bakenova T.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	STANDARD 7.
12:00-12:30 (30')	Meeting with heads and employees of auxiliary (supporting) units <u>The content of the meeting:</u> funding of residency programmes, provision of programmes with appropriate resources (equipment, textbooks), grants for mentors, motivation to perform research, etc. Responsible persons: <i>Mukazhanov A.K., Shalekenov S.B.</i>	Standards 6.8 4th floor
12:30-13:00 (30')	EEC meeting: discussion of evaluation results, exchange of views	4th floor
13:00-14:00	Lunch break	
14:00-15:00 (60)	Visit to the training base of residents of the programmes Hematology (20 min.), Radiology(20 min.), Oncology (20). Anesthesiology and Resuscitation (20 min), Gastroenterology (20 min)- Responsible persons: <i>Kemaykin V.M., Dzhakipov M.A., Adylkhanov T.A., Umbetzhanov E.U., Kaliaskarova K.S.</i> https://us02web.zoom.us/j/9469145873?pwd=SFlvUlcxUW4xZW5mMzU5T2hzbTJhUT09	STANDARD 6. of the department
15.00-15.40 (40)	Visit to the oncology center under construction. Satybaev K.S., Shalekenov S.B., Raisov S.D.	New housing
15:40-16:00 (20')	Questionnaires of residents and teachers. Responsible persons: <i>Beissenova N.D., Bakenova T.</i>	Standards 3,4,5,7 5th floor
16:00-16:20 (20')	Study of the residency programme documentation. Examination of documentation at the request of the members of the EEC. Responsible: Zhukubaeva A.A., Beissenova N.D., Bakenova T.	Standards 4-5.7 4th floor
16:20-16:30 (10')	Additional interviews of EEC members with representatives of NSOC on compliance with accreditation standards. Responsible persons: <i>Shalekenov S.B., Zhukubaeva A.A.</i>	4th floor
16:30-16:50 (20')	Overview of educational and practical resources for residency programmes (Oncology, Radiology, Anesthesiology and Resuscitation, Adult). Responsible persons: <i>Zhukubaeva A.A., Beissenova N.D.</i>	4th floor
16:50-17:30	EEC meeting. Summing up the results of the second day of the visit.	4th floor
Day 3 - 31.03.2022 (Thursday)		
8.45	Gathering of EEC members at the NSOC (Nur-Sultan, Kerem, Zhanibek Khandar, 3	
9:00-10:30 (90')	Design of EEC reports, development of recommendations for improving the implementation of residency programmes.	4th floor
10:30-12:00 (90')	Final discussion of the results of the external specialized assessment of educational programmes of the NSOC residence for compliance with accreditation standards. Completion of the Quality Profile and assessment criteria for compliance with the ECAQA accreditation standards by each member individually. Discussion of recommendations for improvement and final vote on recommendations for NSOC Final vote on the recommendations for the ECAQA Accreditation Council.	ECAQA observer zoom link 4th floor
12:00-12:30	Familiarization of the management of the NSOC with the results of the work of the EEC, recommendations for improving the educational programmes of the residence	Venue 5th floor meeting room

12:30-13:00	Completion of the work of the external expert commission of ECAQA. Signing of documents.	
13:00	Departure of EEC members	