

To Accreditation Council of
the Eurasian Center for Accreditation and
Quality Assurance in Higher
Education and Health Care

REPORT
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE
EVALUATION OF THE EDUCATIONAL PROGRAMME
7R01136 "GENERAL SURGERY"
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS OF
POSTGRADUATE EDUCATION PROGRAMMES (SPECIALTY OF
RESIDENCY) IN MEDICAL ORGANIZATIONS OF EDUCATION

external expert evaluation period: 29 – 31 March 2022

Nur-sultan city, 2022

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SYMBOLS AND ABBREVIATIONS

Abbreviation	Interpretation
SCES	State compulsory standard of education
Dept.	Education Department of "National Scientific Oncological Center" LLP
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
RSC EMC	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	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. 324-OD dated 09.12.2021, an External Expert Commission (hereinafter referred to as EEC) was formed to conduct an external evaluation of the educational programme in the specialty – 7R01136 "General Surgery" in the period 03/02/2022 – 05/02/2022 (date), as follows:

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	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	National Academic Expert	MUSTAFIN ALIBEK HAMZENOVICH,	Doctor of Medical Sciences, Professor, Head of the Department of Anesthesiology and Resuscitation of Internship, NJSC "Medical University of Astana"
4	National Academic Expert	UALIKHAN KOSHKARALIEVICH ZhUMASHEV	doctor of Medical Sciences, Professor of the Department of Oncology, NJSC "Asfendiyarov Kazakh National Medical University"
5	National Academic Expert	ESENKULOVA SAULE ASKEROVNA	Doctor of Medical Sciences, Associate Professor of the Department of NJSC "Asfendiyarov Kazakh National Medical University" Member of the Association of Oncologists of the Republic of Kazakhstan
6	National Academic Expert	TRYNKIN ALEXEY VIKTOROVICH	Candidate of Medical Sciences, senior lecturer of the Department of Surgical Diseases with the course of anesthesiology and resuscitation of the NEI "Kazakhstan - Russian Medical University"
7	National Academic Expert	SLAVKO ELENA ALEKSEEVNA	CMS – 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	National Academic Expert	BAZARBAEVA AIGUL ABAEVNA	Candidate of Medical Sciences, doctor of the highest qualification category in pediatrics, head of science and education of JSC "Scientific Center of Pediatrics and Pediatric Surgery", Excellence in Health care Excellent student of Healthcare of the Republic of Kazakhstan
9	National Academic Expert	ZHANBYRBEKULY ULANBEK	candidate of Medical Sciences, Associate Professor, Head of the Department of Urology and Andrology, NJSC "MUA"
10	Expert – employer representative	MADINA ERALYEVNA OSPAANOVA	Head of Cryobiology Department Head of the Department of Cryobiology of the RSE on REM "Scientific and Production Center of Transfusiology" of the Ministry of Health of the Republic of Kazakhstan
11	Expert – resident representative	BAIMUKHANOV DAUREN SAMARKHANOVICH	Resident of the 4th year of training in the specialty "Neurosurgery, including pediatric" of JSC "National Center for Neurosurgery"
	Observer for ECAQA	UMAROVA MAKPAL ALDIBEKOVNA,	head of the Department of Accreditation and Monitoring of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care".

The EEC report contains an assessment of the educational programme "7R01136 General surgery" for compliance with the Standards of accreditation of postgraduate programmes (specialty residency) of medical organizations of education and conclusions (hereinafter referred to as the Accreditation Standards), recommendations of the ECAQA on further improvement of approaches and conditions for the implementation of the above educational programme and recommendations for the ECAQA Accreditation Council.

2. General part of the final report

2.1 Presentation of the educational programme in the specialty – 7R01136 "General Surgery" of LLP "National Scientific Oncology Center"

Organization name, legal form of ownership, BIN	"National Scientific Oncology Center" LLP, BIN 180740003103
Management body	Management Board
Full name of the chief executive officer	Kulkaeva Gulnara Utepergenovna
Created in	In accordance with the Decree of the Government of the Republic of Kazakhstan dated May 11, 2018 No.255, the National Scientific Oncology Center LLP (hereinafter referred to as the NSOC) was established with 100% participation of the state, which is a subordinate organization of the Ministry of Health of the Republic of Kazakhstan (hereinafter referred

	<p>to as the Ministry of Health of the Republic of Kazakhstan). Order of the Ministry of Health of the Republic of Kazakhstan dated October 17, 2018 approved an interdepartmental Roadmap for the implementation of the project "Construction of the National Scientific Cancer Center in Astana" for 2018-2020 (hereinafter referred to as the Roadmap).</p> <p>According to the NSOC Roadmap, since May 1, 2019, the activity in the building of the National Scientific Center for Oncology and Transplantology with full continuity of activities (medical, educational and scientific) begins, with the use of existing equipment and the involvement of all employees of the NSOTC</p>
Location and contact details	<p>Republic of Kazakhstan, 010000 "Esil district", Nur-Sultan str. Kerey, Zhanibek Khandar, 3 Tel.: +7 (7172) 70 29 59 E-mail: kense.777@mail.ru Official website: http://cancercenter.kz</p>
State license for educational activities in the residency (date, number)	<p>Training in the residency has been carried out since 2010. In 2010, the RSCEMC issued a license for postgraduate education No. 0137410 series AB dated 02.06.2010. The RSCEMC was a subsidiary organization of Nazarbayev University and could carry out educational activities without a license, in accordance with Article 8 of the Law "On the Status of Nazarbayev University, Nazarbayev Intellectual Schools and Nazarbayev Foundation". The license for educational activities was re-issued from the RSCEMC to the NSOTC, No. KZ81LAA00007958 dated December 13, 2016.</p>
Information on branches, subsidiaries (if any)	<i>Not available</i>
Year of implementation of the accredited educational programme (EP)	<p>Training in the residency has been carried out since 2010. Recruitment to the residency in the specialty of General Surgery has been carried out since 2011 – 3 resident doctors, in 2012 – 5 resident doctors, in 2019 – 5 resident doctors, in 2020 – 6 resident doctors.</p>
Duration of training	<i>3 years</i>
Total number of graduates since the beginning of EP implementation	13
Number of residents on EP since the beginning of the current year	The Center trains 7 residents (2nd year of study. 5- 3 years of study)
Full-time trainers/ Combiners involved in the implementation of EP, incl. % of degree	13 faculty members (2 MDs, 4 PhDs), 1 PhD, 3 have the highest, 1-st qualification category in the specialty, 2 masters are involved in the work with residents.

* Notes: Elements of institutional autonomy have been introduced in the Center. 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 is considered at the meetings of the PGE department and the Academic Council.

Assessment of educational achievements of students is carried out using criteria, regulations and procedures developed in accordance with the goals and objectives for the implementation of educational in accordance with external and internal regulatory documents:

Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No.319-III (with amendments and additions as of January 11, 2020) <https://adilet.zan.kz/rus/docs/Z070000319>.

Rules for the current monitoring of academic performance, intermediate and final state certification of students in educational institutions, approved by Order No.125 of the Ministry of Education and Science of the Republic of Kazakhstan dated 2008 (as amended and supplemented on 26.11.2019);

Order of the Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No.647 "On approval of state mandatory standards and standard professional training programmes in medical and pharmaceutical specialties" (with amendments and additions dated February 21, 2020 No. KR DSM-12/2020); <https://adilet.zan.kz/rus/docs/V1500012007>

Assessment of educational achievements of students is carried out on the basis of an assessment of the level of competencies developed by the teacher together with the education department of the NSOC in various types: control questions, tasks in test form, a list of practical skills, situational tasks, assessment of the level of mastery of a specific manipulation by a resident doctor, tasks for laboratory and other works.

In the NSOC, monitoring, internal control of the quality of training and learning achievements of students is carried out through the final control of the discipline and is focused on the results of training.

The persons who scored the highest points on the sum of the entrance exams on a 100-point scale are accepted into the residence of the NSOC.

Academic achievements of a resident physician are assessed on a 100-point scale corresponding to the letter system with a digital equivalent on a 4-point scale, which is recorded by the Department of Education of the NSOC.

To monitor and assess the current performance of resident doctors, the NSOC applies a criterial assessment, including an assessment, a list of practical skills.

The procedure for admission, selection of applicants and admission to the residency is carried out in accordance with the order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. KR DSM-270/2020 "On approval of the rules for placing a state order, admission to training and training of medical personnel in the residency" and in accordance with the Rules for admission to the residency of the NSOC.

An admission committee is established to receive documents and organize the entrance examinations. The Chairperson of the Acceptance Committee is the Chairperson of the Management Board of the Company or the person acting as the Chairperson.

The composition and functions of the admission commission shall be approved by the order of the Chairperson of the Management Board of the Company or the person acting as the Chairperson.

In accordance with Art.51 Chapter 7 of the Law of the Republic of Kazakhstan "On Education" <https://adilet.zan.kz/rus/docs/Z070000319> persons who have a special pedagogical or professional education in the relevant profile are allowed to carry out pedagogical activities. According to the RoK SCES-2020, persons assigned to resident doctors to master the necessary theoretical and practical skills are appointed from among the teaching staff and /or practical health care workers with a degree, first or higher qualification category, having the appropriate training in the field of medical

The composition of teachers and clinical mentors is approved by the Chairperson of the NSOC Board or a person authorized by him annually, taking into account the new admission for the corresponding academic year.

Internal search provides the ability to use the personnel reserve in the first place. The further multi-level system of selection of candidates contributes to the effective selection of personnel by professional, business, moral qualities using modern technologies. The NSOC implements the EP, which meets the requirements of the SCES (21.02.2020), is staffed with employees with clinical experience and scientific titles, the training is carried out on the basis of the NSOC, where there are sufficient resources for training resident surgeons. 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.

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 NSOC has a modern material and technical base for the training of students, which includes: study rooms, lecture halls, conference rooms, libraries, computer classes, a video system for broadcasting from operating rooms to the hall, information technology tools, a simulation classroom, and its own clinical base. Agreements on the provision of a clinical base have been concluded with 3 medical organizations in Nur-Sultan, 3 republican research institutes and national scientific centers. All clinical bases are equipped with modern educational and therapeutic and diagnostic equipment, ensuring the educational process at a high professional level and the provision of highly qualified and highly specialized medical care to the population of the Republic of Kazakhstan.

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 (continuous professional development), certificate No. IA00021 dated 04.10.2019, Nur-Sultan.

Accreditation of this educational programme is carried out for the first time.

2.3 Conclusion on the results of the review of the report on the self-assessment of the educational programme 7R01136 "General Surgery" of the National Scientific Oncology Center LLP for compliance with the Standards of accreditation of postgraduate programmes (specialty of residency) of medical organizations of education and conclusions

The report on the self-assessment of the educational programme in the specialty 7R01136 "GENERAL SURGERY" of "National Scientific Oncology Center" LLP is presented on 142 pages and 13 annexes according to the relevant standards. The report on the institutional self-assessment is accompanied by a list of members of the working group on self-assessment and preparation for accreditation 7R01136 "GENERAL SURGERY", indicating the responsibility of each member of the internal commission; information on the person responsible for conducting the self-assessment for compliance with the ECAQA Standards for Accreditation of Educational Programmes.

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 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 7R01136 "General Surgery" was carried out on the basis of Order No. 324-OD dated 09.12.2021 "On approval of the composition of the working group for training in specialized accreditation of the National Scientific Oncology Center LLP".

The report was reviewed by an accreditation expert: V.M. Magyarov and the review noted strengths and areas for improvement, as well as recommendations for additions and changes, including the following:

Standards	Reviewer (s) Recommendations
1	<ul style="list-style-type: none"> - in section 1.1.3. to highlight more clearly the mission of a specific EP (7R01136 "General Surgery"), since the report presents a generalized version for residents of all specialties - section 1.1.6 should be improved - to promote innovations in the learning process that allow the development of basic and special competencies of residents, since this section presents more data on the introduction of innovative methods of patient treatment. - involvement of students in the advisory bodies of the Company, in the working group on the formulation of the mission and final results of training.
2	<ul style="list-style-type: none"> - improvement and automation of the feedback process from employers and students. - pay attention to strengthening the integration of education, science and practical medicine
3	Implement the use of electronic systems (Platonus, Sirius, etc.) and the registrar's office for digitalization and transparency of resident assessment methods.
4	<ul style="list-style-type: none"> - The inclusion of associations and organizations of postgraduate students in the process of developing policies for the admission and selection of students for postgraduate education programmes; Enabling systematic planning, execution and documentation of practice-based learning Actively involve students in the residency in the work of the collegial bodies of the NSOC, professional associations and public associations.
5	<ul style="list-style-type: none"> - Improving the system for evaluating teachers' competencies and creating conditions for their continuous professional development. Increasing the motivation of the work of teaching staff, the formation of a qualified personnel reserve Participation in the Academic Mobility Programme of higher-education teaching personnel to universities and research centers in the near and far abroad; Increased number of publications in publications indexed by international databases (Scopus, Web of Science).
6	<ul style="list-style-type: none"> - educational and methodological products of teaching staff should be presented in accordance with the accredited EP It is desirable to specify the number of residents and the place of their training under the academic mobility programme.
7	<ul style="list-style-type: none"> - Involvement of foreign experts and partners for the evaluation of educational programmes. - Strengthen feedback to graduates, residents and employers to improve educational programmes.

8	More efficient use of information and communication technologies in the management system (electronic document management, expansion of Platonus AIS capabilities in the residence, digitalization); Improvement of financing mechanisms for all levels of education (academic mobility of residents, participation of residents in international events);
9	Development and implementation of new methods and technologies for teaching residency programmes. Optimization of teaching methods by further introduction of interactive teaching methods; - more efficient use of information and communication technologies in the management system (electronic document flow, expansion of the capabilities of Platonus AIS, etc. in the residence); Improvement of financing mechanisms for all levels of education (academic mobility of residents, participation of residents in international events); Modernization of the management system through a change in the organizational and legal form and further expansion of the university's autonomy;

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 NSOC LLP for training residents in the specialty "General Surgery" is given, taking into account the start of admission of students in 2017, reasoned data, examples of the implementation of educational programme tasks, 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, etc.

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 February 17, 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 3 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 – 12 people in total;
- interviews with residents – 63 people.
- study of the website <http://cancercenter.kz>;
- interviewing 15 employees, 6 teachers;
- questionnaires of teachers and residents - 9 and 58, respectively;
- observation of training of residents: attendance of 1 practical lesson (Subject: Gastrointestinal bleeding, teacher Kerimkulov A.K., contingent of students: residents of 3 years of training, venue - training room.
- review of resources in the context of the implementation of accreditation standards: a multidisciplinary surgical department was visited - the base of practice/clinical training of NSOC LLP, where training is carried out on 1 educational programme with the participation of 13 full-time teachers/ part-time employees;
- study of educational and methodological documents in the amount of 12 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 Utepbergenovna	Chairperson of the Board of "National Scientific Oncology Center" LLP
2	Shalekenov Sanzhar Bulatovich	Deputy Chairperson of the Board for Scientific and Educational Activities
3	Zhukubayeva Almira Assetkyzy	Head of Education Department, Deputy Chairperson of the Working Group
4	Mukazhanov Adilbek Kairbekovich	Deputy Chairperson of the Management Board for Medical Activities
5	Sagandykov Irina Nigmatzhanovich	Head of the Center for Vascular Surgery
6	Umbetzhanov Erlan Urumbayevich	Head of the Center for Anesthesiology, Resuscitation and Intensive Care
7	Kaliaskarova Kulpash Sagandykovna	Consultant doctor in oncohepatology and gastroenterology of the center for hepatopancreatobiliary surgery, oncohepatology and organ transplantation
8	Kemaykin Vadim Matveevich	Head of the Center for Oncohematology and BMT with Oncohematological Resuscitation
9	Aynabay Ayagul Maratkyzy	Hematologist of the center of oncohematology and BMT with oncohematological resuscitation
10	Dzhakipov Murat Abdrakhmanovich	Head of the Radiology Center
11	Imangeldina Makpal Sabitovna	Radiologist at the Radiology Center
12	Uskenbayev Talgat Aitbayevich	Head of the Center for Multidisciplinary Surgery
13	Zhanat Spataev	Head of the Center for Hepatopancreatobiliary Surgery, Oncohepatology and Organ Transplantation
14	Adylkhanov Tasbolat	Senior lecturer of the sector of teaching staff of the

	Alpysbayevich	Department of Education
15	Shakirova Aida Fazylovna	Senior Resident of the Cancer and Gynecology Sector of the Multidisciplinary Surgery Center
16	Talgat Amanzholovich Kurmanov	Senior Resident Senior resident of the Oncourology sector of the Center for Multidisciplinary 17 surgery ator of the Oncourology sector of the Center for Multidisciplinary Surgery
17	Mustafinov Dauren Dulatovich	Urologist of the Oncourology Sector of the Multidisciplinary Surgery Center
18	Jamila Zhumabekovna Saparbay	Head of Science Department
19	Beissenova Nursaule Dmitrievna	Chief specialist of the sector of organization of postgraduate and additional education of the department of education
20	Zhusupbekov Darkhan Dyusembayevich	Chief specialist of the sector of organization of postgraduate and additional education of the department of education
21	Tazhmakina Kulshat Temirbekovna	Chief Specialist of the Library of the Department of Education
22	Zhannat Elemesovna Tashenova	Chief specialist of the sector of organization of postgraduate and additional education of the department of education

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 body – the SC, in interviews with residents and teachers, compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the organization, 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 on the topic "Gastrointestinal bleeding" with a volume of 50 minutes (case-studies), experts received convincing data that the training is carried out according to the plan, residents actively participate in the discussion of the topic, receive feedback from the teacher, have the opportunity to improve skills in differential diagnosis. The organization ensures compliance with ethical aspects in the implementation of the educational programme, since the experts studied the code of ethics and during the interview, the residents replied that they were informed about the content of this document.

In an interview with residents, experts saw that the organization promotes the development of practical competencies of residents, including on simulation equipment. At the same time, residents deepen their theoretical knowledge, develop communication skills.

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 spoke about the forms of assessment, in addition to the traditional cross-sections of knowledge (testing, written exam), for example, during the rounds, discussion of patients, professors ask residents theoretical questions about the patient's disease, regarding the diagnosis of this nosology, and tactical approaches to treatment. Practical skills are assessed according to the Resident Privilege Sheet.

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 study in educational organizations implementing educational programmes of higher and postgraduate education", Rules for admission to residency, approved by the Chairperson of the Board, No. 106-OD dated 05.07.2019) and during the period of work of the educational organization, there were no appeal precedents. 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 Rupa, 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 15 teachers of NSOC, including 5 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). 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 40%, which is a low indicator. From 2021 to 2022, the PGE Department organized training for 55 faculty members (out of 61) on the topic: "School of clinical mentor. Topical issues of postgraduate education", at different times (6-10.12.21 and 24-28.01.22, 54 hours each).

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. Material support of residents by the center is also confirmed by the payment of NSOC 10% of the total amount, when residents purchase housing under a mortgage (on the initiative of the NSOC and an agreement with the "Otbasy" bank). Teachers have enough time for teaching, mentoring, stimulate the need for additional training and independent work with literature.

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.

A review of the 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 fund of 242 (40 beds multi-specialty surgical department) were visited, and the employees of the organization provide collegial and ethical relations with medical staff, 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. The training of urologists 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, equal participation of all stakeholders (employers, mentors) is not ensured in the planning and development of the educational programme.

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, questionnaires was held. EEC members started designing the final EEC report. The results of the external evaluation are summarized. 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". A final open vote was held 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, can not answer – 2%. Fully (78%) rated the organization of clinical training as "excellent" and "good" (22%). 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.

5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the educational programme in the specialty – 7R01136 "GENERAL SURGERY" of LLP "National Scientific Oncology Center"

Standard 1: MISSION AND END OUTCOMES

Evidence of compliance:

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 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 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 – 10, partially – 7, non-compliant – 0

Standard 1: Implemented

Recommendations for improvement identified during the external visit:

1. When updating the mission of the educational programme, take into account the needs of healthcare, non-profit organizations in the provision of medical care and issues of social responsibility of the organization implementing postgraduate education and determine the mission of the organization of education depending on the educational programme being implemented and actively involve stakeholders in the development of the mission and final results of the EP

Standard 2: EDUCATIONAL PROGRAMME

Evidence of compliance:

2.1 Postgraduate programme framework

The report on the self-assessment of the educational programme "General Surgery" defines a model of the educational programme based on the established 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. In the NSOC, the principle of mentoring over residents is implemented, and this activity is regulated in the Rules developed and approved by the Academic Council "Educational process of residency students", which stipulates the duties of a clinical mentor, teacher, head, department head, as well as a senior resident doctor.

2.4 Programme structure, content and duration

The division of disciplines by hours and semesters is carried out by the Department of Education of NSOC. 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. The training of urologists 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, equal representation is ensured and the needs of all stakeholders are taken into account.

2.5 Organization of training

The main clinical base is the multidisciplinary surgical department of the NSOC for 40 beds.

2.6 Relationship between postgraduate medical education and health care

On a clinical basis, residents have clinical mentors – doctors of practical health care, with at least 5 years of experience, having the highest or first qualification category. Under the guidance of the mentor, residents acquire practical skills in diagnosis and treatment, feedback between the mentor and the resident is regularly carried out, since daily interaction in the clinic involves an analysis of clinical thinking, assessment of the resident's communication skills.

Conclusions of the EEC on the criteria. Compliant with 31 standards: fully -26, partially -5, do not correspond - 0.

Standard 2: Implemented

1. To reflect and concretize in the educational programme the scientific achievements of the NSOC with a description of the teaching methods used in the training of residents, which allow to form academic knowledge that can affect their personal development and can be used in their future career.

2. When developing , discussing and reviewing the EP, conduct a systematic analysis of feedback from all interested parties, including foreign partners, followed by corrective measures.

3. Develop a provision on mentoring and ensure compliance with its requirements (all specialties).

4. Pay attention to strengthening the integration of education, science and practical medicine

5. Work out the process of developing, approving and regularly updating elective discipline programmes taking into account the needs of practical health care, taking into account the views of residents, based on regular feedback.

Standard 3: ASSESSMENT OF STUDENTS

Evidence of compliance:

3.1 Methods of evaluation

Assessment of knowledge of residents is carried out through current, milestone and final control. The NSOC uses software (easyQuizzy) 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 - 7, partially – 4, does not comply -0.

Recommendations for improvement identified during the external visit:

1. The Postgraduate Education Division will update the Resident Assessment Rules, which will clearly define the assessment criteria and provide guidance on the application of the rules to teachers, mentors and residents.

2. Implement the use of electronic systems (Platonus, Sirius, etc.) and the registrar's office for digitalization and transparency of resident assessment methods.

Standard 4: STUDENTS

Evidence of compliance:

3.1 Methods of evaluation

Assessment of knowledge of residents is carried out through current, milestone and final control.

The assessment is based on an oral survey of topics, testing, a written examination and demonstration of practical skills. 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 at NSOC LLP are defined in syllabuses for disciplines that are discussed and approved by the education department. The evaluation criteria are announced in the first lesson for each discipline, and are also presented in the syllabus. 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.

Conclusions of the EEC on the criteria. Comply with 30 standards: fully – 22, partially - 8, do not comply - 0

Standard 4: Implemented

Recommendations for improvement identified during the external visit:

1. Inclusion of resident students in associations and organizations of postgraduate education in the process of developing the policy of admission and selection of students for postgraduate education programmes;

2. Actively involve students in the residency, clinical mentors to work in the collegial bodies of the NSOC, professional associations and public associations

Standard 5: FACULTY

Evidence of compliance:

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.

Pas 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

1. Expand the range of innovative teaching and learning methods used in the educational process and provide teachers and mentors with regular improvement in teaching methods with documented confirmation of results (certificates).

2. Draw up and implement a plan for improving the professional and pedagogical competencies of teachers of departments and include training on improving communication skills and psychology.

Standard 6: EDUCATIONAL RESOURCES

Evidence of compliance:

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 makes 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 "General Surgery" of the Residency in the specialty "General Surgery" is implemented on the basis of the multidisciplinary surgical department of the NSOC. Surgeons perform emergency duty on the basis of the State Enterprise on the Right of Economic Management "Multidisciplinary Medical Center" of the Nur-Sultan Akimat.

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. 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.

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. Compliant with 21 standards: fully -12, partially - 9, not compliant - 0.

Standard 6: Implemented

Recommendations for improvement identified during the external visit:

1. Introduce digitalization processes into the educational process (Platonus, Sirius, etc.)
2. Develop a mechanism for motivating and attracting residents to research activities in the specialty being studied.
3. Re-equip the simulation center to train residents.
4. To intensify the academic exchange of residents and teachers, as well as joint projects with other universities with the release of relevant products (publications, textbooks, etc.)

Standard 7: PROGRAMME EVALUATION

Evidence of compliance:

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.

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 First Head is also used, where it is possible to directly receive answers from the Chairperson of the Board 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

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.

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, taking into account pre- and post-requisites. Also, the teaching staff of NSOC demonstrated the systematic study and comprehensive assessment of EP in order to improve it.

Conclusions of the EEC on the criteria. Compliant from 15 standards: fully -9, partially -6, non-compliant - 0

Standard 7: Implemented

Recommendations for improvement identified during the external visit:

1. Carry out regular monitoring of the educational process and activities of the department of postgraduate education with the involvement of employers, representatives of professional associations, as well as foreign partners through the development and implementation of an annual plan, including the conduct of open classes, mutual attendance of classes, examination of educational and methodological documentation. Results of all activities and document.

2. To optimize the conduct, processing and analysis of the results of feedback from residents, teachers, mentors and employers through the introduction of electronic questionnaires, followed by informing all participants of the educational process about the results and making improvements to the educational programme.

Standard 8: GOVERNANCE AND ADMINISTRATION

Evidence of compliance:

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 IPA 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 NSOC implements the educational programme of the residency in the specialty "Oncology (Adult)", developed in accordance with the State Standard of Education for the Year 2015 and agreed with the priority areas of legislative and programme documents: the Law of the Republic of Kazakhstan "On Education" dated June 27, 2007 No. 319-III; the 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 -12, partially -3, non-compliant - 0

Standard 8: Implemented

Recommendations for improvement identified during the external visit:

1. The programme for the development of education in the residence shall provide for the financing of:
 - training of residents at alternative bases, where this is justified;
 - - mobility of teachers.
2. Provide funding for the production of educational and methodological literature.

Standard 9: CONTINUOUS RENEWAL

Evidence of compliance:

To assess the quality of education and monitor the educational process, the "360 Analysis" tool is used, which allows you to assess the participants in the educational process (residents, faculty members, doctors, clinical mentors, patients), thanks to which the NSOC identifies the most problematic topics and areas for improvement.

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.

Закуп и оснащение центра современным медицинским оборудованием. Application of simulation technologies in the educational process.

New medical and diagnostic building (commissioning date is planned for Q42022) will consist of a research center, scientific and clinical laboratories. The structure will establish a nuclear medicine center, in which radionuclide pharmaceuticals will be used for diagnosis and treatment.

The NSOC provides procedures for regular review and updating of the process, organizational structure, as well as strengthening of the educational process with the improvement of the material and technical base, final results, assessment methods and educational environment of the residence, taking into account the changes in the needs of health care of the Republic of Kazakhstan and the development of new modern technologies, new regulatory documentation, and changes in society.

Conclusions of the EEC on the criteria. Compliant with 4 standards: fully – 1, partially – 3, non-compliant – 0

Standard 9: Implemented

Recommendations for improvement identified during the external visit:

1. Update the organizational structure, staffing of the education department, taking into account the changes in the needs of practical health care, new regulatory documentation, changes in society.

2. Every year, develop and approve a plan for improving the skills of the staff of the NSOC involved in the educational process, including abroad.

3. To create an advisory body on the issues of educational, methodological and organizational support of the educational process of continuous professional development of specialists and postgraduate education.

6. Recommendations for improving the educational programme "General Surgery":

1. When updating the mission of the educational programme, take into account the needs of healthcare, NSOC in providing medical care and issues of social responsibility of the organization implementing postgraduate education and determine the mission of the educational organization depending on the educational programme being implemented and actively involve stakeholders in the development of the mission and final results of the EP. (*standard 1*)

2. To reflect and concretize in the educational programme the scientific achievements of the NSOC with a description of the teaching methods used in the training of residents, which allow to form academic knowledge that can affect their personal development and can be used in their future career.

3. Develop a provision on mentoring and ensure compliance with its requirements. (*standard 2*)

4. The Postgraduate Education Division will update the Resident Assessment Rules, which will clearly define the assessment criteria and provide guidance on the application of the rules to teachers, mentors and residents (*standard 3*).

5. Implement the use of electronic systems (Platonus, Sirius, etc.) and the registrar's office for digitalization and transparency of resident assessment methods (*standard 3*).

6. Inclusion of resident students in associations and organizations of postgraduate education in the process of developing the policy of admission and selection of students for postgraduate education programmes (*standard 4*)

7. Actively involve students in the residency, clinical mentors to work in the collegial bodies of the NSOC, professional associations and public associations (*standard 4*)

8. Expand the range of innovative teaching and learning methods used in the educational process and provide teachers and mentors with regular improvement in teaching methods with documented confirmation of results (certificates). (*Standard 5*)

9. To intensify the academic exchange of residents and teachers, as well as joint projects with other universities with the release of relevant products (publications, textbooks, etc.) (*standard 6*)

10. Carry out regular monitoring of the educational process and activities of the department of postgraduate education with the involvement of employers, representatives of professional associations, as well as foreign partners through the development and implementation of an annual plan, including the conduct of open classes, mutual attendance of classes, examination of educational and methodological documentation. The results of all activities shall be documented (*standard 7*)

The programme for the development of education in the residence shall provide for the financing of:

- training of residents at alternative bases, where this is justified;
- - mobility of teachers.

12. Provide funding for the production of educational and methodological literature. (*Standard 8*)

13. Update the organizational structure, staffing of the education department, taking into account the changes in the needs of practical health care, new regulatory documentation, changes in society. (*standard 9*)

7.Recommendation to the Accreditation Council of ECAQA

Members of the EEC established the compliance of the educational programme "General surgery" 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

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

Standard	Evaluation Criteria	Number of standards			
			Fully compliant	Partially compliant	Not compliant
1	MISSION AND END OUTCOMES	17	10	7	
2	EDUCATIONAL PROGRAMME	31	26	5	
3	ASSESSMENT OF STUDENTS	11	7	4	
4	STUDENTS	30	22	8	
5	FACULTY	7	5	2	
6	EDUCATIONAL RESOURCES	21	12	9	
7	PROGRAMME EVALUATION	15	9	6	
8	GOVERNANCE AND ADMINISTRATION	15	12	3	
9	CONTINUOUS RENEWAL	4	1	3	
	Total:	151	104	47	

List of documents studied as part of the external expert evaluation

№	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 the educational process in the residence of the NSOC", approved by the order of the Chairperson of the Board of the 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		