

**To the Chairperson of the Management Board of
LLP " National Scientific Oncology Center "
G.U. Kulkaeva**

Dear Gulnara Utepergenovna!

The non-profit institution "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" (ECAQA), included in the Register of Recognized Accreditation Bodies of the Ministry of Education and Science of the Republic of Kazakhstan and the International Register on the Quality of Higher Education APQR, informs you about the decision of the Accreditation Council of ECAQA of April 20, 2022 (Minutes of meeting No. 3):

1. To accredit for a period of 5 (five) years the residency educational programmes in the following specialties:
 - 1) 7R01117 – Anesthesiology and resuscitation (adult, pediatric);
 - 2) 7R01119 – Angiosurgery (adult, pediatric);
 - 3) 7R01104 – Gastroenterology (adult, pediatric);
 - 4) 7R01105 – Haematology (adult);
 - 5) 7R01136 – General Surgery;
 - 6) 7R01124 – Oncology (adult).
2. To accredit for a period of three (3) years the residency educational programmes in the following specialties:
 - 7) 7R01114 – Radiology;
 - 8) 7R01126 – Urology and andrology (adult, pediatric).

Together with this letter, we are sending you the original certificates of accreditation of the above educational programmes of the **National Scientific Oncology Center LLP** residency (Attachment 1).

We congratulate you personally and the entire team, heads of departments, teachers, residents on the successful completion of specialized accreditation, which demonstrated achievements in ensuring the quality of postgraduate education.

The report of the external expert commission and the decision of the ECAQA Accreditation Council will be published on the [website http://www.ecaqa.org](http://www.ecaqa.org).

We would like to inform you that post-accreditation monitoring in the period from 2022 to 2027 will include:

1. drawing up an "Action Plan on the recommendations of the ECAQA External Expert Commission (EEC) for the period 2022-2027 (2022-2025 for programmes with an accreditation period of 3 years)" and submitting to ECAQA the original of the approved plan by May 30, 2022 (the plan structure and the list of EEC recommendations in Appendices 2 and 3, respectively).

2. submission of annual reports to ECAQA until December 20 of each year until 2027 inclusive ("Report on the implementation of measures to improve the educational programme of the residence of the National Scientific Cancer Center LLP" in accordance with the recommendations of the External Expert Commission of ECAQA for ___ year").

Reports are made in tabular form, in accordance with the action plan, include the date of implementation, information on the implementation of corrective measures and evidence of their implementation (output data of documents, etc.), while when sending reports, the center must form an appropriate annex with approved copies of supporting documents. The reports are approved and approved by the first director of the center.

3. if it is reasonably necessary to organize a one-day visit of an expert and an observer from ECAQA to the National Scientific Cancer Center LLP two (2) years after the date of issue of accreditation certificates in order to obtain evidence of implementation of the recommendations of the External Expert Commission. No additional funding is required from the centre. The date of the visit of experts is determined and agreed with the management of the organization in advance.

Director General
MBA, Doctor of Medical Sciences
Professor



Sarsenbayeva S.S.

**Form of Action Plan¹ for the execution of recommendations
Of External Expert Commission (EEC)**

_____ (name of the organization, educational programme)

_____ date

№	EEC recommendation	Implementation Activity²	Deadlines (month, year)	Responsible for implementation (full name, position, unit)	Signature of the person responsible for the execution

¹ document must be presented in landscape location and signed by the first head of the organization of education

² if necessary, it is possible to detail the ways of achievement.

**Form of Report¹ on the execution of the Action Plan for the implementation of the
recommendations of the External Expert Commission (EEC)**

_____ (name of the organization, educational programme)

_____ date

№	EEC recommendation	Implementation Activity	Deadlines (date)	Name and output of the supporting document²	Remark:

¹ document must be presented in landscape location and signed by the first head of the organization of education

²copies of supporting documents should be numbered in accordance with the order of reference in the report, and their serial number should be indicated in the table for the convenience of study by members of the expert group.

Recommendations for improving the educational programme of the residency in the specialty "General Surgery":

1. When updating the mission of the educational programme, take into account the needs of Health care, NGOs 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 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 the academic knowledge that can affect their personal development and can be used in their future career. (*standard 2*)
3. Develop a provision on mentoring and ensure compliance with its requirements. (*standard 2*)
4. The Postgraduate Education Division to update the Resident Evaluation Rules, which will clearly define the evaluation criteria and provide guidance on the application of the rules to teachers, mentors and residents (*Standard 3*).
5. Introduce the use of electronic systems (Platonus, Sirius and others) and the registrar's office for the digitalization and transparency of resident assessment methods. (*standard 3*)
6. Ensure the inclusion of resident students in associations and organizations of postgraduate education in the process of developing policies for the 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 evidence of results (certificates). (*standard 5*)
9. Intensify 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 the 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*)
11. Provide funding in the programme for the development of education in the residence:
 - training of residents at alternative bases, where this is justified;
 - teacher mobility;
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*)

Recommendations for improving the educational programme of the residency in the specialty "Angiosurgery, including pediatric":

1. Improve the resident training programme in terms of research and selection of prerequisites for further admission to PhD (*standard 2*).
2. Include in the thematic plan the implementation and protection of scientific projects to strengthen the scientific component of resident learning (*Standard 2*).
3. Include an advisory body or the establishment of a resident council in the educational programme to improve the quality of education. (*Standard 2*).
4. Improve the system for assessing the performance of the scientific work of residents (*standard 3*).
5. Improve the work of residents on simulation simulations (*standard 3*).
6. Improve the equipment of simulation rooms to develop practical skills (*standard 6*).

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

1. More active involvement of employers in the formation of the mission of the educational programme (*standard 1*).
2. Include residents in the collegial management body in order to actively participate in the development and updating of the educational programme and document such representation or initiate the establishment of a resident council (*standards 2, 4*).
3. Involve employers, members of professional associations in the review process or feedback on the educational programme and take into account their recommendations when developing, writing and approving the educational programme (*standard 2*).
4. Expand the catalog of elective disciplines, taking into account the proposals of employers and the needs of the health care system, and post on the website of the NSOC (*standard 2*).
5. Include in the educational programme the training of residents in the management of scientific research and medical statistics in the form of a component of choice as a pre-requisite for further admission to the master's and doctoral programmes of PhD (*standard 2*).

6. Include in the thematic plan the implementation and protection of scientific projects to strengthen the scientific component of resident learning (**Standard 2**).
7. Introduce an electronic journal to assess and control attendance, digitalize the procedure for assessing knowledge, transparency of methods for assessing the knowledge of residents, archiving and quickly obtaining the necessary information (**standard 3**).
8. Ensure systematic external and internal review of instrumentation (**Standard 3**).
9. Increase the number of scientific publications and speeches of residents in the specialty "Hematology (adult)" (**standard 4**).
10. Ensure the implementation of academic exchange of teachers and residents with partner organizations (**standards 4, 5**).
11. Improvement of pedagogical skills through participation in the academic exchange of teachers with partner organizations (**Standard 5**).
12. To provide for the development and implementation of research projects together with foreign scientific centers, with the release of relevant products (publications, publication of textbooks, STP) (**standard 6**).
13. Continue to collect feedback from stakeholders, employers; based on world trends, include new technologies for the treatment of hematological diseases in the educational programme (**standard 7**).
14. Improve the funding mechanism for academic mobility and exchange of residents and teachers (**Standard 8**).
15. Develop a mechanism to materially encourage and finance the participation of teachers and residents in international conferences (**Standard 8**).
16. Planning to attract foreign specialists as mentors (**standard 9**).

Recommendations for the improvement of the educational programme 7R01104 "Gastroenterology, including paediatric":

1. Broader involvement of stakeholders in the formation of the mission and determination of the final results of the residency programme (**Standard 1, 1.4.1., 1.4.2.**).
2. The educational programme should include a description of teaching methods that allow to form the residents' academic knowledge, as well as the necessary skills that can affect their personal development and can be used in their future career (**Standard 2, clause 2.1.9**).
3. It is recommended to include in the educational programme in the specialty 7R01104 "Gastroenterology, including paediatric" topics on the scientific foundations and methodology of medical research, including clinical studies and clinical epidemiology (**Standard 2, clause 2.2.1**).
4. The educational programme should indicate the list of clinical bases where residents of gastroenterologists are trained, where competencies are formed to provide medical care to patients at the level of PHC (the area provided for study areas, clinical units) (**Standard 2, clause 2.5.1**).
5. The educational programme in the specialty 7R01104 "Gastroenterology, including paediatric" should include a description of the methods and assessment tools used to determine the level of competency formation of residents studying under the educational programme (**Standard 3, clause 3.1.4**).
6. In the educational programme in the specialty 7R01104 "Gastroenterology" it is recommended to specify the criteria for admission of a resident to the intermediate and final certification. Describe the method used to assess practical skills in the final certification of residents (**Standard 3, cl. 3.1.4., 3.1.5**).
7. It is recommended to develop and implement mechanisms to study and document the reliability, validity and fairness of evaluation methods (**Standard 3, clause 3.1.6**).
8. When conducting the final certification, it is recommended to involve external examiners in the certification commission (**Standard 3, clause 3.1.8**).
9. It is recommended to develop an internal regulatory document of the NSOC, which defines the policy of admission to the residency with a description of the procedure for conducting entrance examinations for the educational programme of the residency, as well as the transfer of residents from other national or international programmes (**Standard 4, clause 4.1.3., 4.1.4**).
10. Provide for the inclusion of resident associations and organizations in the process of developing the admission and selection policy for residency educational programmes (**Standard 4, clause 4.1.8**).
11. In the specialty "Gastroenterology, including paediatric", the annual percentage of employment is the lowest in comparison with other specialties of the residency and is on average 72%. It is recommended to describe what work is carried out to improve the career guidance and employment of graduates (**Standard 4, clause 4.3.6**).
12. Continue to form a library fund used for training in the educational programme in the specialty 7R01104 "Gastroenterology, including children's" (**Standard 6, clause 6.1.1**).
13. Involve foreign experts and partners to evaluate the educational programme (**Standard 7**).
14. Implement academic mobility of residents, improve mechanisms for financing academic mobility of residents, participation of residents in international events (**Standard 8**).
15. Develop and expand innovative methods and technologies for teaching residency programmes (**Standard 9**).

Recommendations for improving the educational programme of the residency in the specialty "Radiation Diagnostics":

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

Recommendations for the improvement of the educational programme of the residency in the specialty "Anesthesiology and Resuscitation (Adult, pediatric)":

Standards	C. Recommendations
1	- When updating the mission of the educational programme, take into account the needs of the NSOC in the provision of medical care and issues of social responsibility of the organization implementing postgraduate education.
2	-Include in the educational programme the training of residents in the management of scientific research and medical statistics in the form of a component of choice as a pre-requisite for further admission to the master's and doctoral programmes of PhD -Include in the thematic plan the implementation and protection of scientific projects in order to strengthen the scientific component of resident training -Actively involve residents in the implementation of scientific projects with results in the form of publications and speeches at conferences
3	- Develop a system for assessing the performance of scientific work and the formation of a portfolio of residents. - Develop a procedure for assessing the resident's independent work on simulation simulators in the simulation room.
5	- Develop and approve annually a plan for improving the professional and pedagogical competencies of teachers, including abroad, and include training in improving communication skills and psychology
7	- To optimize the conduct, processing and analysis of feedback results 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.

Recommendations for improving the educational programme of the residency in the specialty "Urology and Andrology (Adult, pediatric)":

Standards	C. Recommendations
1	1) When updating the mission of the educational programme, take into account the needs of the NSOC in the provision of medical care and issues of social responsibility of the organization implementing postgraduate education. 2) Improve mechanisms for rewarding residents for achievements in scientific activities and other types of achievements.
2	3) Include in the educational programme the training of residents in the management of scientific research and medical statistics as a component of choice as a prerequisite for further admission to the master's and doctoral programmes of PhD. 4) Include in the thematic plan the implementation and protection of scientific projects to strengthen

	<p>the scientific component of resident learning.</p> <p>5) Increase the involvement of residents in the implementation of scientific projects with results in the form of publications and speeches at conferences.</p> <p>6) To document the representation of residents in the development and updating of the educational programme through inclusion in the academic advisory body or the creation of a council of residents.</p> <p>7) Ensure that the process of developing, approving and regularly updating elective discipline programmes is documented and that residents' views are taken into account based on regular feedback.</p>
3	<p>8) Develop a system for assessing the performance of scientific work and the formation of a portfolio of residents.</p> <p>9) Develop a procedure for assessing the resident's independent work on simulation simulators in the simulation room.</p> <p>10) Implement the use of electronic systems (Platonus, Sirius, etc.) and the registrar's office for digitalization and transparency of resident assessment methods.</p>
4	<p>11) 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.</p> <p>12) Creating the conditions for systematic planning, execution and documentation of practice-based training</p> <p>13) Actively involve students in the residency in the work of the collegial bodies of the NSOC, professional associations and public associations.</p>
5	<p>14) 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).</p> <p>15) 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.</p>
6	<p>16) Continue to equip the simulation room with simulation simulators to develop practical skills in catheterization and stenting of ureters.</p> <p>17) Develop a mechanism for motivating and attracting residents of research activities in the specialty being studied.</p>
7	<p>18) Carry out regular monitoring of the educational process and the activities of the department of postgraduate education by developing and implementing an annual plan, including open classes, mutual attendance of classes and examination of educational and methodological documentation. Results of all activities and document.</p> <p>19) To optimize the conduct, processing and analysis of feedback results 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.</p>
8	<p>20) The programme for the development of education in the residence shall provide for the financing of:</p> <ul style="list-style-type: none"> - training of residents at alternative bases, where justified - teacher mobility. - participation of residents and teachers in national and international professional events
9	<p>21) Update the organizational structure, staffing of the education department, taking into account changes and additions to regulations, standards and guidance documents.</p> <p>22) Every year, develop and approve a plan for improving the skills of the staff of the NSOC involved in the educational process, including abroad.</p>

Recommendations for improving the educational programme of the residency in the specialty "Oncology (adult)":

Standard	C. 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 in the collegial bodies.

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 (PHC).
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.