

To Accreditation Council
Of Eurasian Center
For Accreditation and Quality Assurance
In Higher Education and Health Care
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**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE EVALUATION OF THE EDUCATIONAL
PROGRAMME "UROLOGY AND ANDROLOGY FOR ADULTS, CHILDREN"
FOR COMPLIANCE WITH THE STANDARDS OF ACCREDITATION OF
POSTGRADUATE EDUCATION PROGRAMMES (SPECIALTY OF
RESIDENCE) IN MEDICAL EDUCATIONAL ORGANIZATIONS**

external expert evaluation period: 03/02/2022 - 05/02/2022

Almaty, 2022

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LIST OF SYMBOLS AND ABBREVIATIONS

Abbreviation	Designation
CACU	Central Asian Congress of Urologists
ECTS	European Credit Transfer and Accumulation System
KAUA	Kazakhstan Association of Urologists and Andrologists
JSC SCU	Joint-Stock Company "Scientific Center of Urology named after. Academician B.U. Dzharbusynov
EEC	External Expert Commission
SCES	State compulsory educational standard
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care
MoH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
NJSC	Non-profit joint stock company
IQAA	Independent Kazakh Agency for Quality Assurance in Higher Education
EP	Educational programme
PGE	Postgraduate education
AC	Academic Council

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 01 dated January 19, 2022, an External Expert Commission (hereinafter referred to as EEC) was formed to conduct accreditation of the educational programme "Urology and Andrology for Adults, children" in the following composition:

No. p / p	Status in the EEC	Full name	Regalia, position, place of work / place of study, course, specialty
1	Chairperson	Turgunov Ermek Meyramovich	Doctor of Medical Sciences, Professor of the Department of Surgical Diseases of NJSC "MUK"
2	foreign expert	Khakimkhodzhaev Zufar Shavkatovich	PhD Associate Professor, Department of Urology, Medical University. I.K. Akhunbaeva
3	Kazakh academic expert	Zhanbyrbekuly Ulanbek	Candidate of Medical Sciences, Associate Professor, Head of the Department of Urology and Andrology, NJSC "MUA"
4	Employers' representative	Amirov Gani Kondybayuly	Head of the Urology Department of the State Enterprise on the REM "Emergency hospital of the city Almaty"
5	Resident Representative	Rakhyshev Dias Aueskhanuly	Resident of the 1st year of the Department of Urology of the NJSC "Asfendiyarov Kazakh National Medical University"

ECAQA Observer - Umarova Makpal Aldibekovna, Head of Accreditation and Monitoring Department

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

The EEC report contains an assessment of the educational programme Urology and Andrology for Adults, children for compliance with the Standards for Accreditation of Postgraduate Education Programmes (Residency Specialties) of Medical Educational Organizations and conclusions (hereinafter referred to as the Accreditation Standards), recommendations of the EEC on further improvement of the 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 Submission of JSC "Scientific Center of Urology named after Academician B.U. Dzharbusynov.

Organization name, legal form of ownership, BIN	JSC "Scientific Center of Urology named after Academician B.U. Dzharbusynov BIN 990240008165
Management body	Governing body
Full name of the first head	Amanov Anuar Tursynzhanovich
date of creation	By Decree of the Government of the Republic of Kazakhstan No. 1367 dated November 11, 1996, the Research Institute of Urology of the Ministry of Health of the Republic of

	Kazakhstan was reorganized into the Scientific Center of Urology named after B.U. Dzharbusynov.
Location and contact details	<i>Almaty, Basenov street 2</i>
State license for educational activities in residency (date, number)	<i>State license of the Committee for Control in the Sphere of Education and Science of the Republic of Kazakhstan dated September 27, 2010. No. 0137471</i>
Information about branches, subsidiaries (if any)	<i>Not available</i>
Starting year of the accredited educational programme (EP)	Training of residents at SCU JSC is carried out in accordance with <u>State license of the Committee for Control in the Sphere of Education and Science of the Republic of Kazakhstan dated "27." September 2010 №0137471</u> under the state educational order to engage in educational activities in the specialty "Urology and andrology for adults, children". The educational programme was revised and re-approved (minutes of the meeting of the PGE department No. 1 dated August 24, 2021).
Duration of study	<i>3 years</i>
The total number of graduates since the start of the EP	36
Number of residents at the EP since the beginning of the current year	The Center has 11 residents - nine residents of the first year of study, two residents of the 3rd year of study
Full-time teachers/ Part-time workers involved in the implementation of the EP, incl. % degree	6 teaching staff (3 professors) are involved in work with residents, 5 have the highest qualification category in specialties, 1 in public health: urology, andrology. 100% degree.

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 standard curricula, SCES (21.02.20). Freedom in the preparation of the EP is achieved by describing syllabuses, QED, IEP, RUPL, the form, structure and development procedure of which is determined by the organization independently. The EP is being considered at meetings of the PGE department and the Academic Council.

The assessment of the educational achievements of residents is carried out by various forms of control, which are determined by the Center independently. Control and measuring tools, teaching methods, and monitoring the achievements of residents, approved at a meeting of the PGE department, are further reviewed and approved by the SC. EP in the specialty 7R09126 "Urology and andrology for adults, children" - new, compiled in accordance with the requirements of the State Educational Standard (21.02.2020), entered the Republican Register of Educational Programmes.

Admission of persons to residency is carried out on a competitive basis based on the results of the entrance exam. The selection committee is organized from the teaching staff of the Center with the participation of the administration. Persons who scored at least 75 points out of 100 in the exam are enrolled in residency. Persons who score the highest points in the exam are enrolled in the state educational order (Order of the Minister of Health of the Republic of Kazakhstan dated December 15, 2020 No. ҚР ДСМ-270/2020. Registered in Ministry of Justice of the Republic of Kazakhstan on December 15, 2020 No. 21802 "On approval of the rules for placing a state order, admission for education and training of medical personnel in residency").

The selection / selection of teachers is carried out in accordance with the "Human Resource Management Programme of JSC (SCU)" (Order No. 42-c of February 05, 2021), personnel autonomy stems from the possibility of internal and external search for candidates for a vacant position. Internal search provides an opportunity to use the personnel reserve in the first place. A further multi-level system of selection of candidates contributes to the effective selection of personnel based on professional,

business, moral qualities using modern technologies. The Center has a EP that meets the requirements of the State Educational Standards (21.02.2020), is staffed with staff with clinical experience and scientific titles, training is conducted on the basis of the Scientific Center, where there are sufficient resources to train resident urologists, andrologists. To persons

The residency EP complies with international requirements and Level 8 of the National Qualifications Framework in Medical Education and the Framework for Qualifications in the European Higher Education Area.

Training of residents of urologists and andrologists is carried out at the Center with personal participation in the treatment and diagnostic process, both in class time and during independent work.

Conditions and means have been created for the personal participation of residents in the provision of medical care at the level of primary health care and hospitals. Practical training is carried out through the daily personal participation of a young specialist in medical activities using diagnostic and treatment methods based on evidence-based medicine, mastering the practical skills provided for by the training programme, and promoting a healthy lifestyle.

Resident training methods include: seminars, webinars, conferences, case studies, training, team-based learning (TBL); simulation-based training, role-playing games, brainstorming method, group discussion method, portfolio, combined survey, small group training method, simulation technologies, presentations.

The material and technical equipment of the Center allows you to effectively implement active learning methods (analysis of clinical cases, maintaining medical records, examination of the quality of medical care, patient management, training in the clinic with the participation of a real patient, training in primary health care, attending medical conferences, consultations, teaching using web technologies); learning through research (participation in the NSC).

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

2.2 Information about previous accreditation

In 2018, JSC (SCU) successfully passed accreditation for compliance of the activity of a Health care entity with accreditation standards in the field of Health care of the Republic of Kazakhstan (Accreditation certificate No. KZ71VEG00008411 dated 12/14/2018), re-accredited (Accreditation certificate No. KZ91VEG00011737 dated 11/16/2021).

In 2017 JSC (SCU) successfully passed the institutional (Certificate IA#00011March 27, 2017) and specialized (Certificate SA#0012 dated March 27, 2017) accreditation in the Independent Kazakhstan Agency for Quality Assurance in Higher Education. On August 15, 2017 JSC (SCU) was accredited by the Ministry of Education and Science of the Republic of Kazakhstan as a subject of scientific and scientific and technical activities (Series MK No. 005401 dated August 15, 2017).

2.3 Conclusion based on the results of the study of the self-assessment report of JSC "Scientific Center of Urology named after. Academician B.U. Dzharbusynov" for compliance with the Standards for Accreditation of Postgraduate Education Programmes (Residency Specialties) of Medical Educational Organizations and Conclusions

Report on self-assessment of the educational programme "Urology and andrology for adults, children" (hereinafter referred to as the report) is presented on 108 pages of the main text, appendices on 22 pages, 30 documents.

The report is characterized by the completeness of answers to all 9 basic accreditation standards and criteria, structuredness taking into account the recommendations of the Guidelines for the self-assessment of the educational programme provided to the educational organization by the accreditation center - ECAQA, as well as the internal unity of information. Accompanying the report is a letter signed by the head of the chairperson of the board, MD, A.T. Amanov, which confirms the accuracy of the quantitative information and information included in the self-assessment report.

The report contains a list of 10 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 - Zhantelieva L.A., Doctor of Medical Sciences, Deputy Chairperson for Science and Postgraduate Education.

Self-assessment of the educational programme Urology and andrology for adults, children, was carried out on the basis of the order of the head No. 98-n dated 01/08/2021 "On the creation of a working group for conducting a specialized self-assessment and writing a report"

The report was studied by accreditation experts: Turgunov E.M., Khakimkhodzhaev Z.Sh., Zhanbyrbekuly U. and the reviews noted strengths and areas for improvement, as well as recommendations for additions and changes, including the following:

Standards	Reviewers' recommendations
2	<ul style="list-style-type: none"> -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 PhD programmes - Include in the thematic plan the implementation and defense of scientific projects in order to strengthen the scientific component of the training of residents -More actively involve residents in the implementation of scientific projects with results in the form of publications and presentations at conferences - Document the representation of residents in the development and updating of the educational programme through inclusion in an academic advisory body or the creation of a council of residents
3	<ul style="list-style-type: none"> - Develop a system for assessing the performance of scientific work and the formation of a portfolio of residents. - Develop regulations for assessing the independent work of a resident on simulation simulators in the "Endoschool" office.
6	Continue equipping the Endoschool room with simulation simulators to develop practical skills of ureteral catheterization and stenting

Thus, in the process of feedback from the representative of the educational organization, the experts received answers to the questions that arose, and the corresponding changes and additions were made to the self-assessment report based on the recommendations of the reviewers.

All standards reflect real practice of JSC "Scientific Center of Urology named after. Academician B.U. Dzharbusynov" for the training of residents in the specialty "Urology and andrology for adults, children" taking into account the start of admission of students in 2021, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Description in the self-assessment report is sufficiently completed and up-to-date in term of the number of residents, teachers, administration, information on selection and admission, learning outcomes, results of assessment of knowledge and skills, the material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, development plans and improvement.

The report is submitted to ECAQA in a finalized form, with data adjusted according to the above recommendations, written in competent language, the wording for each standard is clear and understandable and described in accordance with the criteria of the standards, the tables are referenced in the text and are numbered consecutively.

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

3. Description of external expert evaluation

External expert work within the framework of the evaluation of the educational programme Adult Urology and andrology for adults, children, was organized in accordance with the Guidelines for the External Evaluation of ECAQA Educational Organizations and Educational Programmes (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 according to the programme approved by ECAQA Director General Sarsenbayeva S.S. and agreed with the Chairperson of the Board of JSC "SCU named after. Academician B.U. Dzharbusynov "Amanov A.T.

Dates of the visit to the organization: 03/02/2022-05/02/2022

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 the accreditation standards.

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

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

- interview with management and administrative staff - 5 people in total;
- interviews with residents - 11 people.
- studying the website <https://SCU.kz/>;
- interviewing 10 employees, 6 teachers;
- questioning of teachers and residents - 6 and 11, respectively;
- observation of the training of residents: visit 1 practical session (Topic: Transurethral resection of the prostate gland, teacher Malikh M.A., contingent of students: residents and cadet, venue: simulation class: “Endoschool”), lectures (topic: Diagnosis and treatment of patients with non-specific diseases of the reproductive system (prostatitis, orchiepididymitis, urethritis), lecturer: Prof. Makazhanov M.A., students: residents of the 1st year of study);
- review of resources in the context of the implementation of accreditation standards: visited 6 departments of bases of practice / clinical training of JSC "Scientific Center of Urology and Andrology named after. Academician B.U. Dzharbusynov, where training is provided on 1 educational programme with the participation of 6 full-time teachers / part-time teachers;
- study of educational and methodological documents in the amount of 30 units. both before the visit to the organization and during the visit to the departments (the list of documents examined is in Attachment 2).

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

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

No.	FULL NAME.	Position
1	Amanov Anuar Tursynzhanovich	Chairperson of the Board of JSC SCU named after B.U. Dzharbusynova
2	Zhantelieva Lyazzat Asanovna	Deputy Chairperson of the Board for Science and Postgraduate Education.
3	Kusymzhanov Suniyat Myrzakenovich	Head of the Department of Reconstructive Plastic and Pediatric Urology
4	Makazhanov Marat Abzalovich	Head of the Department of Andrology
5	Malich Mohammed Aref	Head of the Department of Urolithiasis and Endourology
6	Omarov Yernar Sarsebekovich	Doctor of the Department of urolithiasis and endourology

7	Kabdoldin Kairat Nurtuganovich	Doctor of the Department of Reconstructive Plastic and Pediatric Urology
8	Karyagdieva Zukhra Tursynovna	Human resources department inspector
9	Baimaganbetov Zh.K.	Head of Admissions and Advisory Department
10	Yesenzhanova S.Zh.	Physiotherapist
11	Slyamkulov D.T.	Head of paid urology department
12	Kozhamzharov A.S.	Department of Somatics and Pediatric Urology
13	Nurzhan R.M.	simulation room

Thus, when implementing the programme activities, namely, following the results of an interview with the first head of the organization, members of the advisory and advisory body - Academic Council, 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 formulating the mission, while the mission was brought to the attention of potential residents through the website, social networks, newsletters to medical organizations. Reviewed the strategic plan of the organization for a period of 5 years (2021-2025), including areas such as redistribution of the source of income for the economic development of the Center, the direction of monetary assets for academic potential, information support and digitalization of processes, increasing the satisfaction of employees with their work, employers, students - with the conditions and learning process, which confirms fulfillment of the accreditation standard and demonstrates the goals, objectives and prospects of the organization. From interviews with residents, it was found that before the start of classes, teachers inform about the mission, work plans of the educational organization, they say where to get the necessary information about the educational programme, teachers, and training facilities. This indicates compliance with **standard 2** in terms of adapting training to the needs of residents.

The documents of the organization contain work programmes, EMCD, where the goal is defined, the integration of practical and theoretical components, independent work is taken into account. Compliance with SCES and standard requirements was established. Attending practical classes on the topic "Transurethral resection of the prostate gland" in the simulation room, and "Diagnostics and treatment of patients with non-specific diseases of the reproductive system (prostatitis, orchiepididymitis, urethritis)" for 2 hours, the experts received convincing evidence that the training is carried out according to plan, before the start of the class, residents answer tests, receive feedback from the teacher, and have the opportunity to improve their skills in transurethral resection of the prostate. The organization ensures compliance with ethical aspects in the implementation of the educational programme.

When attending a practical lesson on the topic "Transurethral resection of the prostate gland" in the simulation room, and a seminar on the topic "Diagnostics and treatment of patients with nonspecific diseases of the reproductive system (prostatitis, orchiepididymitis, urethritis)" for 2 hours, and when talking 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 and develop communication skills.

An analysis of educational activities showed that the scientific basis and all the achievements of science in advising disciplines were taken into account, additions were made to the bibliography of the EMCD and syllabuses, and teachers use them in the classroom.

The study of control and measuring tools (tests, situational tasks, a written exam) showed that the organization has implemented an appropriate assessment policy that allows for a comprehensive assessment of the educational achievements of residents. During the interview, the residents spoke about the forms of assessment, in addition to the traditional sections of knowledge (testing, written exam). For example, in the morning, when discussing patients before surgery, professors ask residents theoretical questions about the patient's disease, regarding the diagnosis of this nosology, and tactical approaches to treatment, if the resident has not demonstrated a sufficient level of theoretical preparedness, punishment should be in the form of removal from participation in the operation. According to residents,

it was found that this type of knowledge assessment motivates residents to prepare for surgical intervention, both theoretically and in practice, and residents are satisfied with the fairness of this type of assessment. And also, this assessment system allows you to get instant feedback from the teacher. The system for 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 Model rules for admission to study in educational organizations implementing educational programmes of higher and postgraduate education", Rules admission to residency for the 2020-2021 academic year, approved by the Board, Minutes No. 6 of 01/15/2020.*) and during the period of work of the organization of education there were no precedents of appeal. Thus, compliance with standard 3 is established.

During a visit to the organization and during an interview with the Deputy Board for Research and PGE, MD. Zhantileyeva L.A., the commission was convinced that there is a documentation system that transparent and accessible to all faculty and staff, and includes such documents as annual operating plans, annual reports, regulations of divisions, contracts with faculty and residents, advanced training cadets, and educational and methodological documentation (work programme, working curricula, syllabuses, magazines), evaluation tools (checklists, statements), certificates. A review of the website showed that its pages contain the calendar and thematic lesson plans necessary for residents, schedules for semi-annual certification, schedules for the rotation of residents by departments, approval of curators, RUPA, which is regularly updated. This information was obtained during interviews with residents and with the Deputy Board for Research and PGE, MD. Zhantileeva L.A.

Conversation with Deputy Board for Research and PGE, Ph.D. Zhantileeva L.A. included such questions as "How many doctors of practical health care are involved as residents' mentors?" "How is the selection of applicants for residency carried out?" "Are scientific achievements or the results of other student activities taken into account when selecting applicants for admission to residency?" And allowed experts to learn about approaches to attracting employees of clinical sites for teaching (there are 6 such teachers in total), on the strategy and tactics of recruiting residents, information support of the educational programme, and also identify problems in the management and development of human resources. The SCU has not approved a plan for advanced training of teaching staff in pedagogy for the next 5 years, however, all teachers have certificates for advanced training in pedagogy with a limitation period of not more than 5 years.

Interview with 6 full-time teachers showed that there are both successes and problems in the management of education, depending on the specific base (admission of residents to the equipment, a sufficient number of thematic patients, time to maintain medical records, independent work). At the main clinical base at the SCU, emergency urological care is not provided within the framework of the guaranteed volume of medical care, so there is a certain lack of training for residents in providing emergency urological care. In order to solve this problem, an elective "Emergency Urology" was included in the Educational Programme, according to which residents are rotated to emergency urological hospitals of other clinics. But at the same time, the staff list does not include employees of those clinical bases where residents take the elective discipline "Emergency Urology". The experts received answers about the teacher training programme, the financing of this training, and whether teachers have certification in teaching methods.

On the same day, the experts studied the materials on the admission of residents and the selection of teachers and found 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 the pedagogical competence of teachers, motivation to work with residents, and mentoring. The experts found that there is a sufficient number of teachers to implement the educational programme. The teaching staff is formed based on the needs of the effective implementation of educational programmes, as well as on the basis of the total teaching load. The number of teachers of the Center with an academic degree and/or academic title is more than 76%. From 2017 to 2019, the PGE Department organized training for teaching staff on the following topics: Management in Health care - 216, Methodology of teaching in medicine - 108, Technology of evidence-based medicine in clinical and managerial practice - 54. Communication skills of teamwork - 108,

Quality management system in Health care organizations - 216, Management of scientific research in clinical and managerial practice - 216.

Teachers have enough time for teaching, mentoring, stimulate the need for additional training and independent work with literature.

During pvisits to clinical sites, a survey of resources was conducted, their compliance with training programmes, accessibility for teachers and residents, how modern this equipment is and meets the needs of students and practical Health care. The experts obtained evidence of the implementation of standard 6, as well as validation of the information in the self-assessment report.

In order to validate the implementation of the data of the self-assessment report and obtain evidence of the quality of the programmes, interviews were conducted with residents in the specialty. The experts asked questions about satisfaction with training, enough time to supervise patients, work in Damumed with medical records, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need, participation in the “Morning Medical Conferences with Reports”, availability of international resources databases of professional literature. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, as they believe that the educational organization has good resources, image and international relations, at the same time, residents have a fairly high level of autonomy in managing patients. Residents are interested in more active participation in academic mobility programmes abroad, and participation in international conferences and symposiums.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, the opportunity to participate in research, financing, demonstrated English proficiency when answering questions from a foreign expert Khakimkhodzhaev Z. Sh. The experts studied the documents of the residents (portfolio, the results of the assessment of residents-check-lists, the results of the survey of residents).

Interview with 3 conducted online by employers and included such questions as: knowledge of the mission of the SCU, participation in the development of the mission and proposals for 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 the Center and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with the teaching staff of the Center. The percentage of employment of graduates of the educational programme implemented at the SCU was 100%. In general, during interviews with employers, positive feedback was received on the quality of training of specialists and their competence as urologist-andrologists.

The review of resources showed that they correspond to the goals and objectives of educational activities, for example, clinical bases were visited: SCU departments with a total bed capacity of 150, and employees of the educational organization provide collegial and ethical relations with the medical staff, the management of the clinical base to achieve the final results of residents. A sufficient number of thematic patients is provided, modern equipment and demonstrates accessibility to students, and employees who simultaneously act as teachers and curators (mentors) provide 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 should acquire and develop during the training.

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

Methods of teaching and learning are consistent with the ultimate learning objectives. Residents actively participate in the provision of medical care, putting into practice the acquired theoretical knowledge and thereby developing the ability to take responsibility in various clinical situations. The implementation of the educational programme is carried out using the principles of quality, academic

honesty, and the Antiplagiat programme has also been introduced and is being applied. The organization provides a student-centered approach, and this is confirmed in the report. The principle of mentoring of residents has been implemented at the SCU, and this activity is regulated in the Regulations on mentorship developed and approved by the Academic Council. In addition to obtaining academic knowledge, residents acquire other useful skills, through the implementation of socially important events (sanitary education, work in educational institutions, etc.). The introduction of a competency-based approach to the educational process ensures the development of knowledge, skills and professional attitudes that correspond to the various roles of a doctor. The educational programme can be adjusted in accordance with the expectations and requests of employers and the wishes of residents, this is demonstrated in the report (feedback study). The self-assessment report describes in detail the structure, composition and duration of the educational programme, they clearly define the mandatory component and the elective component. The training of urologists is carried out on the basis of an analysis of the needs of the regional health care system. The programme takes into account the final learning outcomes, the minimum number of procedures and surgical interventions that a resident doctor must perform in each year of his training is clearly indicated. When planning the educational programme, equal representation is ensured and the needs of all interested parties are taken into account. JSC (SCU) has all the requirements for accreditation, which provide planned urological care, including highly specialized.

On the last day of the visit to the organization, a meeting of the members of the EEC was held following the results of the external evaluation. A final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of interviews, interviews, and questionnaires was held. EEC members have begun drafting the final report of the EEC. Generalizations of the results of the external evaluation are made. The experts individually completed the "Quality Profile and Criteria for External Evaluation of the Educational Programme: Urology and andrology for adults, children for Compliance with the ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the educational programme were also discussed by the chairperson Turgunov E.M. A final open vote was held on recommendations for the ECAQA Accreditation Council for an accreditation period of 5 years.

Comfortable conditions were created for the work of the EEC, access to all necessary information and material resources was organized. The Commission notes the high level of corporate culture of the SCU, a 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 announced recommendations for the management and employees of the educational organization based on the results of an external assessment as part of specialized accreditation.

4. The results of the survey.

5. An ECAQA observer conducted an online survey on the resource on February 04-05, 2022 <https://webanketa.com/>.

Survey of residents includes 24 questions.

Total answered 14 people (all residents for the current year). Residents of the 1st course prevailed - 64.3%. According to the results of the questionnaires, the subjective opinions of the listeners participating in the survey were interpreted.

Absolutely all students studying at JSC "SCU" emphasized (100%) that this educational organization allows acquiring the necessary knowledge and skills in the chosen specialty, 78.6% of respondents declared their full readiness to recommend JSC "SCU" as additional education organizations, 21.4% partially agree to do so.

78.6% strongly and 21.4% partially agree that educators and programme managers are aware of student problems related to learning, which indicates a high level of trust and interaction in the organization. 92.9% of respondents noted that they constantly involve students in the work of advisory bodies (methodological council, academic council, committees of educational programmes), constantly

after the end of classes, teachers conduct feedback with students, which confirms the implementation of standard 2.

Fully satisfied with the organization of teaching (the amount of time for practical training, the location of the seminars, the topics of the seminars) and the methods of assessing knowledge - 100% of respondents, 92.9% of residents are completely satisfied with the schedule of training sessions, the same number noted access to equipment (training and real), in order to master practical skills in the specialty, while being fully satisfied with the conditions and equipment of the classrooms, classrooms of this educational organization - 85.7%; library fund - 64.3%; fully provided with the necessary educational literature, methodological and didactic materials, additional literature - 85.7%; the same number of respondents noted that teachers in the classroom regularly use active and interactive teaching methods, the majority of residents 78.6% indicated that

As for the clinical component in the training of residents, 92.9% of residents rate the organization of clinical training as "excellent", they consider the number of patients to be supervised or assisted in operations sufficient, the same number of respondents consider the curator and clinical mentor of SCU JSC as an example for themselves as a professional doctor, and a person in general, which confirms the high image and authority of employees, which undoubtedly reflects the quality of educational services,

92.9% of residents are involved in the implementation of research under the guidance of their teacher or mentor, of which half are actively engaged in scientific work, the same number are at the planning stage.

100% of listeners agree that it is necessary to accredit educational organizations or educational programmes, while the most important external expert assessment tool that allows drawing conclusions about the quality of educational programmes, the respondents consider: an interview with teaching staff (50%) and an interview with management (35.7%).

Thus, the vast majority of students are satisfied with the residency on the basis of SCU JSC and believe that they will be able to fully acquire the necessary competencies for further work in their specialty. The audience assessed the image and authority of SCU JSC as an organization providing quality educational services.

6.

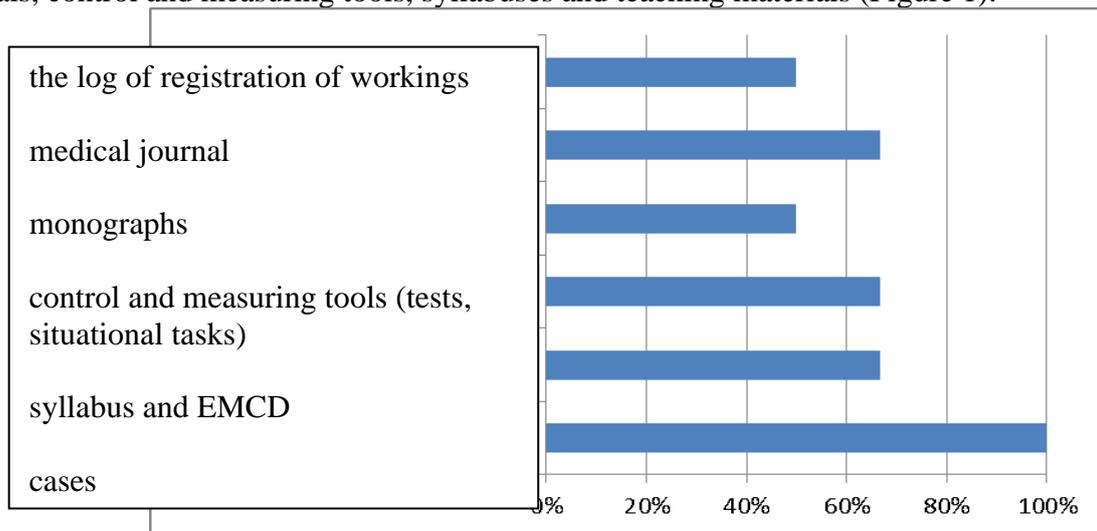
The survey of teachers included 23 questions of the questionnaire. In total, 6 people answered (total in the state 6), while teaching experience up to 5 years - 0%, up to 10 years - 16.7%, over 10 years - 83.3%.

First of all, the lecturers shared their opinions on the organizational climate within the SCU JSC. 100% of respondents agree that the organization fully respects ethics and subordination in relations between colleagues, teachers and management, and absolutely all teachers are completely satisfied with the organization of labor and workplace, the opportunity for career growth and the development of teacher competencies, the opportunity to realize themselves as a professional by profession, the opportunity to engage in scientific work and publish the results of research. 83.3% indicated that the heads of the organization systematically listen to the opinion of the teaching staff regarding issues of the educational process, research, clinical work.

Absolutely all teachers are sure that the organization has enough equipment and resources to conduct training for residents under accredited programmes, students have free access to patients at clinical sites and all conditions for improving their practical skills, and 100% of the teaching staff are satisfied with the work of the postgraduate education department, 83, 3% of teachers are satisfied with the organization of the educational process in this educational institution.

As shown in the diagram, the type of activity most frequently used by teachers is the oral discussion of the topic and the implementation of abstracts. Also often used are practical exercises in the simulation center, lectures, analysis of situational problems, preparation and solution of tests. Less commonly used are interactive learning, problem-based learning, small group learning, written assignments, projects, and coursework.

During classes, it is very important for teachers to have, first of all, cases (100%), educational journals, control and measuring tools, syllabuses and teaching materials (Figure 1).



Picture 1. Results of a survey of teachers regarding the teaching and learning materials used

83.3% of all teaching staff participate in the development of methodological materials for the residency programme, half of the teachers conduct seminars once a week, 33.3% - 1-2 times a month, the rest 16.4% - daily. With the help of the questionnaire, the level of training of students before the start of residency was assessed, which either fully - 50%, or partially - 50% satisfies the teaching staff.

However, problem areas have also been identified. Only 50% of teaching staff are satisfied with the salary as an employee involved in the educational process in residency; the organization supported participation in conferences (international, republican) with payment of all expenses only 50% of the teaching staff. 16.7% of teaching staff studied at professional development courses more than 5 years ago; only 33.3% of teaching staff know about the social support programme for teachers. In these areas, the administration of JSC "SCU" should strengthen its work.

All teachers (100%) who participated in the survey fully agree that this survey is useful for developing recommendations for improving the key areas of activity of SCU JSC, and accreditation of educational programmes is an important and effective mechanism for ensuring the quality of postgraduate education.

Thus, the questioning of teachers showed a good level of microclimate in the team, the activities of the administration in the direction of improving and improving the working conditions of the teaching staff, a sufficient level of resources and an excellent organization of the training process for residents at SCU JSC.

7. Analysis for compliance with accreditation standards based on the results of an external evaluation of the Scientific Center of Urology named after B.U. Dzharbusynova

Standard 1: MISSION AND END OUTCOMES

Evidence of Compliance:

1.1 Mission and deliverables statement

The mission of the educational programme is defined and subsequently updated in 2021, the public and the Health care sector are widely informed about the mission of the educational programme through the website of the center and various events. The mission was drawn up taking into account the needs of practical Health care, the recruitment and training of specialists is carried out on the basis of monitoring the needs for specialists in Health care organizations in the Republic of Kazakhstan.

1.2 Professionalism and professional autonomy

Mandatory duty of residents (48 hours) in the emergency clinic allows the formation of professional skills and professional autonomy while making independent clinical decisions. The self-

report fully reflects the autonomy of the medical organization in the formation of the educational programme, assessment and admission to residency, selection of personnel for the educational process. The academic freedom of students is reflected in the regulations on residency, on the organization of the educational process and monitoring progress. The self-assessment report reflects in detail the final results of training in residency, describes in detail all the skills, abilities and competencies that a graduate of the residency in the Educational Programme Urology and Andrology for Adults, children should have.

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 comorbidities. The main result of the training is the formation of an independent highly qualified doctor, with the need for continuous continuous improvement of their qualification and professional skills.

1.4 Participation in the formulation of the mission and deliverables

All stakeholders took part in the process of forming the mission of the EP, and residents, teaching staff, clinical mentors, administrative staff, patients, employers, other support staff and alumni.

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

Standard 1: completed

Recommendations for improvement identified during the external visit:

1) Increasing the academic mobility of residents and teaching staff, encouraging residents to engage in research.

Standard 2: EDUCATIONAL PROGRAMME

Evidence of Compliance:

2.1 Framework parameters for the postgraduate medical education programme

In the report on the self-evaluation of the educational programme Urology and Andrology for Adults, children JSC "Scientific Center of Urology named after B.U. Dzharbusynov, a model of the educational programme is defined based on the established final results of the training of residents and the qualifications they receive, which ensures the consistency and transparency of training. The report provides compelling evidence with links to regulatory documents.

2.2 Scientific method

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

2.3 Content of the residency programme

The organization provides a student-centered approach, and this is confirmed in the report. The principle of mentoring of residents has been implemented at the SCU, and this activity is regulated in the Regulations on mentorship developed and approved by the Academic Council.

2.4 Programme structure, content and duration

The distribution of disciplines by hours and semesters is carried out by the PGE department. All academic disciplines and sections of the EP 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, they clearly define the mandatory component and the elective component. The training of urologists is carried out on the basis of an analysis of the needs of the regional health care system. The programme takes into account the final results of training, clearly outlines 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 interested parties are taken into account.

2.5 Organization of training

The main clinical base is the joint-stock company (SCU) with 150 urological beds - these are patients with diseases of the genitourinary system, referred for elective surgery. For training in the elective discipline emergency urology, residents are rotated to emergency urological hospitals in the city

of Almaty. JSC (SCU) has all the requirements for accreditation, which provide planned urological care, including highly specialized.

2.6 Relationship between postgraduate medical education and health care delivery

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

Conclusions of the EEC according to the criteria. Out of 31 standards conform: completely -30, partially -1, do not correspond - 0.

Standard 2: completed

Recommendations for improvement identified during the external visit:

1) In the discipline "Oncourology" knowledge and practical skills are formed related to the polyclinic link and primary health care, clinical examination in oncological practice, in matters of organizing preventive examinations and screenings. At the same time, in the amount of 18 credits, the discipline does not consider the treatment of oncourological patients. In order to improve the EP, it is recommended to include the treatment of oncourological diseases in the syllabus.

2) Development of academic mobility of teaching staff and residents.

Standard 3: ASSESSMENT OF STUDENTS

Evidence of Compliance:

3.1 Assessment methods

Assessment of residents' knowledge is carried out by current, intermediate and final control. For assessment, an oral survey on topics, testing, a written exam and demonstration of practical skills on checklists are used. In order to objectify the evaluation process, independent experts are involved. When conducting the final state certification to assess the educational achievements of residents, practical Health care specialists are included in the commission, and external examiners are involved. The results of educational achievements of students are entered into an electronic and paper educational journal and form examination sheets. Educational journals are filled in in accordance with the calendar-thematic plan, in accordance with the schedule and the dates of the current, boundary and final controls reflected in the syllabus.

3.2 Relationship between assessment and learning

The methods used to assess the competencies of students in JSC (SCU) are defined in syllabuses for disciplines, which are discussed and approved by the PGE department. Evaluation criteria are announced at the first lesson for each discipline, and are also presented in a syllabus on the Center's website. Confirmation of the effectiveness of the education received is based on the results of feedback from the resident - an anonymous survey that is very acceptable for the resident, fair, adequate to the skills and corresponds to their future specialty. Evaluation of reports according to the rotation schedule. allows assessing the development of the resident's competencies: personal interest, professional competence, communicative, personal qualities, scientific interest.

EEC conclusions by criteria. Correspond from 11 standards: fully -10, partially - 1, do not correspond - 0.

Recommendations for improvement identified during the external visit:

- 1) The use of knowledge by residents as the final results of training - the recommendations of such a large international professional association as the European Association of Urology.
- 2) Implementation of an electronic journal for evaluation and control of attendance.

Standard 4: STUDENTS

Evidence of Compliance:

4.1 Admission policy and selection

Those wishing to enter residency can submit documents according to the approved schedule. All the necessary information regarding admission to residency is presented on the website. Applicants for admission to residency can get advice from the department of postgraduate education. Also, during the examination, it was established that the procedure for conducting exams was worked out, during which an examination committee is formed, which includes the most experienced, qualified teachers of the Center who have an academic degree. There is a list of questions for the entrance exam. Also, when applying for residency, in addition to assessing the level of knowledge, the personal achievements of the applicant, the results of previously completed research work, are also taken into account. Transparency in the selection of applicants for residency is ensured by video recording of the exam.

4.2 Number of residents

The number of residents accepted under the state order is regulated by the DSHR MoH RK and depends on the demand for specialists in the whole country, residents are also trained under an order from local executive bodies, based on the emerging needs of specialists. The center also conducts a limited set of residents for training on a paid basis based on the needs of the center. The organization monitors the needs of specialists by region, collects feedback from local executive bodies, and the number of selected residents varies from year to year depending on the needs of practical Health care.

4.3 Support and advice to residents

Each resident has a clinical mentor with whom they form a close working relationship. Joining the team, residents become part of the urology department. In the event of difficulties or any difficulties in the educational process or work, information from the resident goes first of all to the clinical mentor, who can resolve issues at his level or, if necessary, inform and involve other members of the teaching staff and the management of the center in solving the problem.

Residents have support from the PGE Urology Center in the form of employment assistance. The PGE department also monitors the career growth of graduates and maintains contact with them.

4.4 Representation of residents

Residents take part in the formation of the educational process and assessment methods. JSC (SCU) have introduced surveys, questionnaires, including questions on the schedule, teaching and assessment methods, learning conditions in clinics, availability of methodological and information and communication materials, and relationships with teachers. Based on the results of a survey of residents, plans for corrective and preventive measures were developed, and a proposal was made for the EP on the need to provide greater independence and require greater activity during duty and in everyday activities at the clinical base.

4.5 Working conditions

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

Conclusions of the EEC according to the criteria. Out of 30 standards conform: completely - 29, partially - 1, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit:

1) Re-equipment of the simulation room with new modern simulators, creation of OSCE stations for these new simulators will contribute to an earlier standardized and effective mastering of practical skills.

2) **Stimulation of mentors to create conditions for the implementation of a greater number of independent surgical interventions performed under the mentorship of a mentor, and later on independently.**

Standard 5: FACULTY

Evidence of Compliance:

5.1 Recruitment and selection policy

The SCU conducts systematic work on the training and retraining of scientific and pedagogical personnel. The personnel policy of the center is carried out by concluding labor contracts, as well as competitive filling of vacant positions in accordance with the rules of the current legislation. Management applies effective and open criteria for the recruitment and appointment of teachers through these criteria, equal employment opportunities are guaranteed. 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 Teacher commitment and development

The scope of activities of the teaching staff and the criteria for training and assessment are adjusted in accordance with the latest achievements of medical science, correlate with changes in the Mission of the educational programme for residency.

The teaching staff are provided with equal opportunities for continuous professional learning that are consistent with and contribute to the achievement of the mission and learning outcomes.

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

Conclusions of the EEC according to the criteria. Out of 7 standards conform: fully -6, partially - 1, do not meet - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

1) Organization of collaboration with leading foreign urological centers and organization of exchange programmes for residents with an appropriate level of knowledge of the English language and high academic achievements for the educational process.

2) Organization of joint research projects in cooperation with foreign scientific urological centers.

Standard 6: EDUCATIONAL RESOURCES

Evidence of Compliance:

6.1 Logistics and equipment

JSC SCU has a fairly extensive material and technical support, during the expert assessment, a sufficient number of lecture halls, training rooms, a simulation room, a library were demonstrated. The existing material and technical base allow for the effective implementation of the educational programme. Also, a study was conducted of the operating block, where residents receive practical skills directly. The operating block has 6 operating rooms, equipped with modern medical equipment that allows for the provision of planned and highly specialized medical care.

6.2 Clinical sites

JSC SCU has a sufficient bed capacity (150 beds), highly specialized departments in which residents acquire practical skills in diagnosing and treating urological diseases, for training in the discipline "Emergency Urology" residents are rotated in an organization that provides round-the-clock emergency urological care at modern level.

To develop practical skills, residents attend a simulation class.

6.3 Information technology

A single information space has been built at SCU JSC, the treatment process is carried out using the Damumed electronic system. Modern information and telecommunication technologies have been introduced, and thanks to this, the teaching staff is provided with access to relevant electronic educational resources.

6.4 Clinical teams

Residents from the first days join the teams of SCU departments, where they acquire teamwork skills and learn how to effectively interact with other Health care professionals. Also, in addition to medical work, residents, together with the staff of the clinical departments, participate in scientific and practical conferences, and work in multidisciplinary teams. Working in multidisciplinary teams in

choosing the tactics of managing the most difficult patients increases the responsibility of residents when they see that the effectiveness depends on the correct organization of teamwork. In such situations, the resident performs all the work within the limits of his competence.

6.5 Medical research and developments

Conducting research work by residents is carried out as part of the independent work of residents under the mentorship of a teacher, and this helps to consolidate the acquired theoretical knowledge, practical skills and use them in their daily routine practice. During the expert evaluation, members of the commission were shown publications of employees in collaboration with residents, presentations at conferences.

6.6 Educational expertise

The Department of Postgraduate Education of JSC SCU demonstrated that continuous work is underway to assess the quality of the implemented educational programme for residency (planning, development, evaluation, implementation and monitoring of the EP), teaching staff, representatives of professional associations, employers and students studying by residents, the quality management system department.

6.7 Training in other institutions

JSC SCU has all the necessary documentation to ensure the academic mobility of residents and their training in other organizations of Kazakhstan and countries of near and far abroad. A resident is studying under the academic mobility programme from the Republic of Kyrgyzstan. Documents confirming outgoing academic mobility were not provided, this was justified by the severe epidemiological situation in the world and quarantine restrictions.

Conclusions of the EEC according to the criteria. Out of 21 standards conform: fully -20, partially - 1, do not comply - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) The organization of the rotation of residents to the oncurology department for the “oncurology” cycle will contribute to the acquisition of more extensive knowledge and practical skills that will be necessary in future work and will provide the acquisition of practical skills in a multidisciplinary hospital.
- 2) Activate outgoing academic mobility of students in other institutions of Kazakhstan and in countries near and far abroad on the educational programme Urology and andrology for adults, children.

Standard 7: PROGRAMME EVALUATION

Evidence of Compliance:

7.1 Monitoring and evaluation mechanisms

During the expert evaluation, the management of the JSC SCU demonstrated the activities and supporting documents of these measures aimed at continuous monitoring of the educational programme. Provided assessment tools and assessment results during the interim and final certification. The document "Regulations on the organization of the educational process and monitoring the progress of residents, dated April 24, 2020" was presented.

7.2 Feedback from faculty 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 is assessed from consumers of medical services provided at the SCU, where resident doctors are participants and executors of the treatment process, and patient surveys clearly demonstrate the competence of residents and the development of their communication skills.

To evaluate feedback from faculty and residents, the Chairperson of the Board's blog is also used, where it is possible to directly receive answers from the first head of the SCU.

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 Resident and alumni results

In the process of an external expert evaluation of the activities of the SCU, it was found that 100% of the residents received a specialist certificate and were employed in medical institutions of the Republic of Kazakhstan in their specialty. Also, during the conversation with employers, positive feedback was received about the graduates of the EP Urology and Andrology who studied at the SCU named after Academician B.U. Dzharbusynov.

7.4 Stakeholder involvement

During the evaluation of the implementation of the EP at JSC "SCU", the PGE department demonstrated convincing evidence of the involvement of all stakeholders in improving the educational programme.

7.5 Approval procedure for educational programmes

The procedure for approving the educational programme is structured as follows. The PGE department evaluates for compliance with the State Educational Standard. Further, a catalog of elective disciplines is approved based on the needs of residents, requests from employers, and according to the trajectories of specialist training, taking into account pre- and post-requisites. Also, the teaching staff of the Academy of Sciences of the SCU demonstrated a systematic study and comprehensive assessment of the EP in order to improve it. A competent representative of public health practice is also involved in the assessment.

Conclusions of the EEC according to the criteria. Out of 15 standards conform: fully -14, partially -1, do not meet - 0

Standard 7: completed

Recommendations for improvement identified during the external visit:

1) To improve the educational programme, continue to collect feedback from stakeholders, employers, focus on global trends to include emerging new technologies for the treatment of urological diseases in the educational programme.

Standard 8: GOVERNANCE AND ADMINISTRATION

Evidence of Compliance:

8.1 Management

8.2 Academic leadership

During the examination of the EEC, the following documents were provided:

1. Trilateral agreements for residents who received grants at the expense of the IOI "Center - Health Department or Medical Institution - Student of Residency".

2. Model rules for admission to study in educational organizations that implement educational programmes of higher and postgraduate education, *the procedure of which for admitting citizens to residency is determined*. Procedures for the admission and selection of residents.

3. Designed and the approved main internal document of the SCU, which defines the scope of duties and powers of the Center in relation to the residency programme.

4. "Academic policy" (decision of the Board, protocol No. 5 dated 28.08.2019).

5. The results of the assessment of residents and the achievement of the final results of training in the residency programme.

6. Annual orders of the chairperson of the board on holding the FSA and the composition of the attestation commission.

The implementation of the EP for residency is carried out in accordance with the regulations approved by the Ministry of Health and Social Development and the Government of the Republic of Kazakhstan, as well as the internal rules for organizing the educational process in residency.

8.3 Training budget and resource allocation

The management of JSC "SCU" clearly demonstrated the distribution of funds allocated to support the educational process. From the self-assessment report and the submitted documentation, it was noted that the center did not finance academic mobility for the period from 2016 to 2021, the acquisition of fixed assets was carried out for the last time in 2018. No supporting documentation was provided on the presence of teachers and mentors in the staff list of the SCU.

8.4 Administration and management

In JSC "SCU" there is a corresponding administrative and academic staff according to the staffing table, whose functional duties include the support and implementation of the educational programme. Also, the Department of PGE JSC SCU demonstrated the developed quality management programme, including regular internal and external reviews and audits.

8.5 Requirements and regulations

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

JSC (SCU) implements an educational residency programme, specialty 7R09126 "Urology and andrology for adults, children". Also demonstrated are clinical protocols for the diagnosis and treatment of diseases of the genitourinary system in adults and children "Varicocele", "BPH", "Urolithiasis", "Male infertility. Azoospermia", "Orchitis and epididymitis", "Acute and chronic cystitis", which were compiled with the participation of the teaching staff of JSC SCU. Also at the center, the teaching staff conducts training seminars for practicing urologists, specialized chief non-staff specialists of the Republic of Kazakhstan, medical experts on the application of clinical protocols for the diagnosis and treatment of urological diseases in practical Health care.

Conclusions of the EEC according to the criteria. Out of 15 standards conform: fully - 14, partially - 1, do not meet - 0

Standard 8: completed

Recommendations for improvement identified during the external visit:

- 1) Improving the mechanisms for financing the academic mobility of residents.
- 2) Material incentives and funding for the participation of teaching staff and students in international conferences;

Standard 9: CONTINUOUS RENEWAL

Evidence of Compliance:

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

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

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

Developed advanced training courses for doctors of practical health care, taking into account modern requirements and the development of medical science and technology. Procurement and equipping of the urology center with modern medical equipment. Application of simulation technologies in the educational process.

Conclusions of the EEC according to the criteria. Out of 4 standards conform: fully -3, partially - 1, do not meet - 0.

Standard 9: completed

Recommendations for improvement identified during the external visit:

- 1) Digitalization, active introduction of paperless workflow and office work;
- 2) Increased funding for academic mobility programmes for residents and teaching staff, participation of the center's employees in conducting multicenter clinical trials;
- 3) Further improvement of the material and technical base of the Center

6. Recommendations for improving the educational programme "Urology and andrology for adults, children":

1. 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 PhD programmes (standard 2).

2. Include in the thematic plan the implementation and defense of scientific projects in order to strengthen the scientific component of the training of residents (standard 2).

3. Document the representation of residents in the development and updating of the educational programme through inclusion in an academic advisory body or the creation of a council of residents or (standard 2).

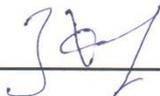
4. Develop a system for assessing the performance of scientific work and the formation of a portfolio of residents (standard 3).

5. Develop regulations for assessing the independent work of a resident on simulation simulators in the "Endoschool" office (standard 3).

6. Continue equipping the Endoschool room with simulation simulators to develop practical skills of catheterization and stenting of the ureters (standard 6).

7. Recommendation to the ECAQA Accreditation Council

Members of the EEC have established compliance with the educational programme "Urology and andrology for adults, children" to Accreditation Standards and came to a unanimous decision to recommend the ECAQA Accreditation Council accredit this programme for a period of 5 years.

	Full name	Signature
Chairperson	Turgunov Ermek Meyramovich	
foreign expert	Khakimkhodzhaev Zufar Shavkatovich	
Kazakh academic expert	Zhanbyrbekuly Ulanbek	
Employers' representative	Amirov Gani Kondybayuly	
Resident Representative	Rakhyshev Dias Aueskhanuly	

ECAQA Observer Umarova M.A.



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

Standard	Criteria for evaluation	Number of standards	Grade			
			Totally coincides	Significantly corresponds	Partially Compliant	Does not match
1.	MISSION AND END OUTCOMES	17	16		1	
2.	EDUCATIONAL PROGRAMME	31	30		1	
3.	ASSESSMENT OF STUDENTS	11	10		1	
4.	STUDENTS	30	29		1	
5.	FACULTY	7	6		1	
6.	EDUCATIONAL RESOURCES	21	20		1	
7.	PROGRAMME EVALUATION	15	14		1	
8.	GOVERNANCE AND ADMINISTRATION	15	14		1	
9.	CONTINUOUS RENEWAL	4	4			
	Total:	150	144		7	
			151			

