



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert commission on the assessment of compliance with the requirements of standards for international primary accreditation of residency/clinical fellow programs (based on WFME/ AMSE/ ESG)

7R01126 Physical medicine and rehabilitation adult, children

RSE on REM “NATIONAL SCIENTIFIC CENTER OF  
TRAUMATOLOGY AND ORTHOPEDICS NAMED AFTER  
ACADEMICIAN N.D. BATPENOV”

in the period from June 12 to June 13, 2023

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING**  
**External Expert Commission**

*Addressed to*  
**IAAR Council for accreditation**



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**Astana, 2023**

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**(I) LIST OF SYMBOLS AND ABBREVIATIONS**

NSCTO named after acad. N.D. Batpenov, Center – RSE on REM “National Scientific Center of Traumatology and Orthopedics named after academician N.D. Batpenov” MH of RK;  
MH RK – Ministry of Healthcare of the Republic of Kazakhstan;  
IAAR - Independent Agency for Accreditation and Rating;  
EP - educational program;  
EEC – external expert commission  
SES RK - State Education Standard of the Republic of Kazakhstan;  
CED - catalog of elective disciplines;  
NSCTO – National Scientific Center of Traumatology and Orthopedics  
AAR – assessment of the access rating;  
EPR – educational programs of residency  
PTS – professorial and teaching staff;  
WC – working curriculum;  
USA – United States of America  
IWR – independent work of a resident;  
CBL – case-based learning;  
PBL – problem-based learning;  
TBL – Team-based-learning;  
AC – academic council;  
GCP – good clinical practice  
GLP – good laboratory practice



## **(II) INTRODUCTION**

The National Scientific Center of Traumatology and Orthopedics named after Academician N.D. Batpenov underwent an external expert commission from June 12th to 13th, 2023. This assessment, mandated by Independent Agency for Accreditation and Rating's Order No. 110-23-OD (March 28, 2023), focused on the compliance of the educational program 7R01126 Physical medicine and rehabilitation adult, children. The program's compliance with international standards for residency/ clinical fellow programs (based on WFME / AMSE / ESG) No. 150-22-OD dated December 21, 2022, second edition.

The report of the external expert commission (EEC) contains an assessment of the presented educational program according to the IAAR criteria, the EEC recommendations for further improvement of the educational program and the parameters of the educational program profile.

### **Members of EEC:**

1) **Chairman of EEC** – Raushan Dosmagambetova, doc.med.sc., Professor, Karaganda Medical University (Republic of Kazakhstan) *Offline participation*

2) **IAAR Expert** – Mahmudzoda Khayyom Ruziboy, cand.med.sc., Tajik State Medical University named after Abuali ibni Sino (Republic of Tajikistan) *Offline participation*

3) **IAAR Expert** – Aigul Zhunusova, Vice-Rector for Academic Affairs, Astana Medical University (Republic of Kazakhstan) *Offline participation*

4) **IAAR Expert, employer** - Yernar Koysyman, Deputy Chief Physician of LLP “Luch” Neurorehabilitation Center (Republic of Kazakhstan) *Offline participation*

5) **IAAR Expert, student** – Ainur Shamelova, 2-year resident in the specialty “Physical Medicine and Rehabilitation”, Department of Rehabilitation and Sports Medicine, Astana Medical University (Republic of Kazakhstan) *Offline participation*

6) **IAAR Coordinator** – Malika Saidulaeva, Project Manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan) *Offline participation*

## **(III) EDUCATIONAL INSTITUTION PRESENTATION**

The first Scientific Research Institute of Traumatology and Orthopedics of the Ministry of Healthcare of the Republic of Kazakhstan was opened in Astana on the 9th of February, 2001 by Decree of the Government of the Republic of Kazakhstan No. 215. Nurlan Batpenov, Honored Worker of the Republic of Kazakhstan, Doctor of Medical Sciences, Professor, Academician of the National Academy of Sciences of the Republic of Kazakhstan, chief orthopedic traumatologist of the Ministry of Healthcare of the Republic of Kazakhstan, was appointed as head of the Institute. By the Decree of the Government of the Republic of Kazakhstan No. 939 dated 15.02.2021, the Republican State Enterprise on the Right of Economic Management “Research Institute of Traumatology and Orthopedics” of the Ministry of Healthcare of the Republic of Kazakhstan was renamed into the Republican State Enterprise on the Right of Economic Management “National Scientific Center of Traumatology and Orthopedics named after Academician N.D. Batpenov” of the Ministry of Healthcare of the Republic of Kazakhstan and assumed broad functions:

- development of scientific foundations for the organization of traumatological and orthopedic care for the population, new methods of diagnosis, treatment and rehabilitation for injuries and diseases of the musculoskeletal system, prevention of injuries and orthopedic diseases;

- provision of highly specialized medical care to patients with injuries and diseases of the musculoskeletal system;

- providing organizational, methodological and practical assistance to medical organizations of the republic in disseminating advanced innovative technologies for the diagnosis, treatment and rehabilitation of orthopedic and trauma patients;

- cooperation with leading scientific and specialized medical centers and institutes of near and far abroad in the field of traumatology and orthopedics;
- training highly qualified specialists, providing educational and implementation services to medical organizations in the country.

In its activities, the NSCTO is guided by the Constitution of the Republic of Kazakhstan, the Code of the Republic of Kazakhstan “On Public Health and the Healthcare System”, industry regulatory legal acts, the Charter of the enterprise and carries out its activities on the basis of a state license for medical and educational activities.

The main subject and purpose of the NSCTO activities is to conduct scientific fundamental and applied research in the field of traumatology and orthopedics, develop and implement into practice modern, high-tech and effective methods of prevention, diagnosis, treatment and rehabilitation of patients with injuries and diseases of the musculoskeletal system, provide qualified, specialized and highly specialized medical care to the population, provide methodological and advisory assistance to healthcare organizations and institutions on issues of providing medical care to patients with injuries and diseases of the musculoskeletal system, and train and retrain personnel.

NSCTO is one of the leading scientific centers in the Republic of Kazakhstan. NSCTO is based on its best traditions accumulated over the years and modern innovations. For more than 20 years, NSCTO has been actively conducting scientific, clinical and educational activities to develop the traumatology and orthopedics industry, and the healthcare of our country in general. Over the past period, more than 200 thousand patients with injuries and diseases of the musculoskeletal system have received highly specialized and specialized medical care, including medical rehabilitation.

Today, NSCTO is the only scientific and clinical center in Kazakhstan engaged in the development, improvement and implementation of the latest advanced technologies in this branch of medicine. Currently, NSCTO works in three main areas: research, treatment and education.

The center uses the most modern high-tech surgical interventions: arthroplasty and therapeutic and diagnostic arthroscopy of large joints, closed minimally invasive osteosynthesis technologies for fractures of limb bones have been introduced and are actively developing, modern systems of surgical correction and fixation of spinal deformities, musculoskeletal rehabilitation are widely used. Together with the National Center for Biotechnology, cellular technologies are being developed aimed at treating cartilage pathology, bone defects, false joints of bone fractures (autologous osteoblasts).

Highly specialized and specialized medical care is provided in 14 clinical departments designed for 385 patients. In order to improve the availability of medical care, Republican centers for arthroplasty of large joints, arthroscopy and sports injury, and spinal pathology have been established. Every year, the center performs more than 1,000 operations for arthroplasty of large joints. To date, more than 30 models of world-made hip arthroplasty have been tested and implemented at the NSCTO, and more than 26,000 large joint arthroplast have been installed. Rehabilitation services are provided in 13 clinical departments as part of the 1st stage of rehabilitation. There is a rehabilitation department with 20 beds for 2 stages of rehabilitation.

For a series of works devoted to the development and implementation of innovative technologies in hip joint surgery using arthroplasty, the staff of the NSCTO was awarded the Al-Farabi State Prize of the Republic of Kazakhstan in the field of science and technology for 2015.

The center has a highly qualified scientific and medical team. There are 4 doctors and 20 candidates of medical sciences, 3 PhD doctors, and 156 doctors working here. Over the years, about 100 specialists have been trained at the best clinics in Europe and the USA with the support of the Ministry of Healthcare. The spirit of innovation, knowledge and experience, and the desire to find the most effective methods of treatment and diagnosis determine the style and principles of the center's staff.

NSCTO conducts research in the following areas:

- Improvement of treatment methods and devices for endoprosthetics and arthroscopy of large joints, immersion and transosseous osteosynthesis of fractures of limbs, spine and pelvic bones.
- Optimization of the treatment system for multiple injuries, congenital pathology of the musculoskeletal system.
- Development of effective biomedical and cellular technologies for the treatment of patients with degenerative diseases of large joints, disorders of reparative regeneration of bone tissue and thermal skin lesions.

Along with the introduction of high-tech treatment methods as part of the implementation of several STPs, the staff of the NSCTO are working on the improvement and development of new designs and implants. As part of the import substitution program, in order to open its own production of medical products made in Kazakhstan, joint work is underway with the East Kazakhstan State Technical University named after D. Serikbayev and enterprises of the East Kazakhstan region on the project "Production of titanium and rare earth metals for use in traumatology and orthopedics".

For further development of these scientific areas, it is necessary to conduct preclinical studies that allow studying the biocompatibility and toxicity of new materials with the participation of animals. In 2022-2024, it is planned to conduct two experimental studies on rabbits as part of the grant studies "Form-adaptive, lactate-activated implant for improved bone tissue regeneration: injection application" jointly with Nazarbayev University, and "Development of a technology for applying bactericidal coatings to medical implants based on Ti-Cu-Ta and Ti-Cu-Nb by magnetron sputtering" jointly with EKTU named after Serikbayev. As part of these studies, it is planned to conduct surgical interventions on rabbits based on the scientific and experimental laboratory in NSCTO. In 2023-2025, 2 grant applications with the participation of laboratory animals have been submitted.

A memorandum of cooperation in scientific and educational activities was concluded with Nazarbayev University. The areas of joint activity include sports and rehabilitation medicine, cellular technologies, joint training of students and residents, and advanced training of doctors.

The results of the NSCTO activities are reflected in 2,500 printed works, 55 monographs, textbooks and statistical collections, 53 methodological recommendations, 190 patents and copyright certificates were received. 13 doctoral and 31 candidate dissertations were prepared and defended.

The NSCTO implements educational programs in accordance with the state license for the right to conduct educational activities in the field of postgraduate professional education in the specialty "Adult and Pediatric Traumatology and Orthopedics" (residency). Additional professional education in the field of advanced training and retraining in the specialty "Adult and Pediatric Traumatology and Orthopedics", "Adult and Pediatric Physical Medicine and Rehabilitation", "Radiation Diagnostics".

The NSCTO conducts advanced training courses for doctors from all over the Republic of Kazakhstan, regularly holds visiting training master classes, demonstration operations, and transfers innovative technologies to the regions of the country. Since 2006, the NSCTO educational center for postgraduate training of specialists has been operating, equipped with a modern audio and video system, instruments and dummies for osteosynthesis, arthroscopy, and endoprosthetics of large joints.

The NSCTO has its own scientific publication - the scientific and practical journal "Traumatology & Orthopedics of Kazakhstan". Work is underway to include the journal "Traumatology & Orthopedics of Kazakhstan" in the list of publications recommended by the Committee for Control of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan for publishing the main results of scientific activity.

Over the 20 years of its existence, the NSCTO has been able to achieve recognition from the medical community not only in Kazakhstan, but also beyond its borders. Close ties have been

established with scientists, doctors and clinics in both the near and far abroad (Germany, USA, Switzerland, Austria, Belgium, Poland, Estonia, Russia, Ukraine, Belarus, Uzbekistan, Kyrgyzstan, etc.). Currently, NSCTO has contractual relations with 25 leading traumatology and orthopedics centers in the near and far abroad. Thanks to such cooperation, the center's specialists and scientific personnel are trained in modern diagnostic and treatment technologies at training sessions and seminars held in the USA, Spain, Austria, Switzerland, and Germany.

To expand the capabilities of conducting various stages of clinical trials at the NSCTO, 12 employees were trained in international standards GCP, GLP - good clinical and laboratory practice at the RCHR and the National Cardiac Surgery Center. The center's team does not stop at the achieved results, there are all the opportunities for conducting competitive scientific developments, further improving the quality of treatment and rehabilitation of trauma and orthopedic patients, improving the level of training of specialists. The existing human resources, rich clinical experience, scientific developments and long-term relationships with leading centers near and far abroad are a reliable basis for further improvement of trauma and orthopedic care and rehabilitation care to the population of Kazakhstan and improving the quality of training highly qualified specialists, providing educational services.

#### **Quality Assurance**

On November 30, 2021, the Public Association of Experts and Consultants on External Comprehensive Assessment in the Field of Healthcare issued an Accreditation Certificate on compliance of the activities of a healthcare entity with the accreditation standards in the field of healthcare of the Republic of Kazakhstan for 3 years with the assignment of the first category (Registration number No. KZ34VEG00011793).

#### **General information about the structural unit implementing the accredited educational program.**

Department of postgraduate education, coordinating and implementing the educational program of residency **7R01126 - Physical medicine and rehabilitation for adults and children.**

#### **Characteristics of the examined educational program:**

Level of implementation: residency.

Duration of development: 2 years

Form of development: full-time

Qualification of graduates: physician of physical medicine and rehabilitation for adults and children.

### **(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE**

International specialized accreditation of EP 7R01126 Physical medicine and rehabilitation for adults and children in National Scientific Center of Traumatology and Orthopedics named after Academician N.D. Batpenov of the Ministry of Healthcare of the Republic of Kazakhstan according to IAAR standards is being carried out for the first time.

### **(V) DESCRIPTION OF VISIT EEC**

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for specialized accreditation of educational programs to the NSCTO from June 12 to 13, 2023.

In order to coordinate the work of the EEC, a project kickoff meeting was held on June 11, 2023, during which powers were distributed among the commission members, the visit schedule was clarified, and agreement was reached on the selection of examination methods.



In order to obtain objective information on the quality of the educational program and the entire infrastructure, and to clarify the content of self-assessment reports, meetings were held with the Director, deputy directors for areas of activity, heads of structural divisions, and heads of departments. 26 representatives took part in the meetings (Table 1).

Table 1 – Information about the staff and students who took part in the meetings with the IAAR EEC:

Category of participants	Quantity
Director	1
Deputy Directors	3
Heads of structural divisions	6
Heads of departments	12
Scientific Secretary	1
Teaching staff	3
<b>Total</b>	<b>26</b>

During the tour, the EEC members got acquainted with:

1. Admissions department
2. Outpatient rehabilitation department
3. Inpatient rehabilitation department
4. Department of radiation diagnostics and CT
5. Clinical and biochemical laboratory
6. Telemedicine
7. Library, museum

At the meeting of the IAAR EEC with the target groups of the Batpenov NSCTO, the mechanisms for implementing the educational organization's policy were clarified and individual data presented in the EP self-assessment report were specified.

During the work, the EEC members visited the following internship sites: State Enterprise on the Right of Economic Management "Multi-Disciplinary City Hospital No. 1" of the Akimat of Astana 2. State Enterprise on the Right of Economic Management "Multi-Disciplinary City Children's Hospital No. 2" of the Akimat of Astana.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the educational organization. Along with this, the experts studied the Internet positioning of the educational organization's official website <https://nscto.kz/index.php/ru/>.

As part of the planned program, recommendations for improving the accredited educational program of the Batpenov NSCTO are provided. Batpenov, developed by the EEC based on the results of the examination, were presented at a meeting with the management on June 13, 2023.

## **(VI) COMPLIANCE WITH INSTITUTIONAL ACCREDITATION STANDARDS**

### *6.1 "Mission and Learning Outcomes" standard*

#### *The evidentiary part*

An open source of information accessible to the general public is the official website of the National Scientific Center of Traumatology and Orthopedics named after Academician N.D. Batpenov, where data on all areas of the center is concentrated. <https://nscto.kz>

The Mission published on the website is defined as "Training highly specialized, competitive specialists of a new generation with a high level of professional competence, based on the principles of continuous development and the trinity of education, practice and science." The text of the Mission is the same for other residency programs implemented at the NSCTO.

At the NSCTO named after Academician N.D. Batpenov, there is a multi-stage form of development and approval of the Mission: from the postgraduate training department, through consideration by structural divisions, approval by the Academic Council, which was confirmed during an oral interview with the deputy heads of the organization, heads of structural divisions, and teaching staff. The educational program is compiled in accordance with the requirements of national documents: the State Compulsory Education Standard (Order of the Minister of Health of the Republic of Kazakhstan dated June 4, 2022 No. KR DSM-65), the Code of the Republic of Kazakhstan "On Public Health and the Healthcare System" dated July 7, 2020 No. 360-VI ZRK. At the same time, a balance is maintained between the theoretical and practical components of training.

A visual inspection showed that NSCTO creates training conditions and guarantees safe working conditions for future residents, as evidenced by a visit to clinical sites. Workplaces, classrooms, and rest areas are provided for future residents. Sanitary and hygienic requirements are met in classrooms: lighting, humidity, temperature.

An interview with the director and his deputies confirmed the autonomy of making management decisions on personnel selection, building an educational program, and other issues.

The educational program defines professional skills, including in the field of communication, scientific research, continuous development, and the legal field. However, there are not enough electives to master these skills to achieve all the stated learning outcomes.

### ***The analytical part***

The analysis of the website showed that the Mission of the educational program of residency (EPR) is freely available on the website of the university for wide information of the public and the healthcare sector. The results of the interview did not find confirmation that the needs of society are taken into account when defining the Mission and that its text is based on the opinion of other stakeholders. The text of the mission posted on the website of the Center does not reflect the specifics of training rehabilitation specialists.

A survey of the management and teaching staff did not reveal the active participation of other stakeholders in the discussion of the Mission and that the needs of society and practical healthcare were taken into account.

The analysis of the educational program showed that a balance is maintained between the theoretical and clinical aspects of training, the requirements of the State Educational Standard are met. To implement the new program, NSCTO has internal regulations: Regulations on training in residency, Ethical Code, Code of Honor of the NSCTO teacher, Regulations on clinical mentors, etc.

The educational program contains the final learning outcomes expressed in Dublin descriptors, but are not published on the center's website. There is no information on the website of the NSCTO named after Academician N.D. Batpenov about the EPR and its training results.

A visual inspection of the clinical sites confirmed the availability of working and rest conditions for residents.

### ***Strengths/Best practices***

The strengths of this standard have not been identified.

***EEC Recommendations***

1. Define the mission based on the needs of society in matters of health, the needs of the medical care system, and other aspects of social responsibility. The deadline is September 1, 2023.
2. To provide in the text of the Mission for the development of innovations in the educational process, allowing for the development of broader and more specialized competencies than those defined within the framework of the basic required competencies; the development of scientific competence of students so that doctors can conduct research in the chosen field of medicine. The deadline is September 1, 2023.
3. Publish on the center's website the expected learning outcomes: general and specific for the EP "Physical medicine and rehabilitation, adult, children". The deadline is September 1, 2023.

***Conclusions of the EEC on the criteria:***

*strong - 0;*  
*satisfactory - 9;*  
*suggest improvements - 4;*  
*unsatisfactory - 0.*

***6.2. The "Educational Program" standard******The evidentiary part***

The study of the educational accredited residency program, interviews with the teaching staff, administrative and managerial staff showed that the program is implemented in strict accordance with the State Education Standard of the Republic of Kazakhstan and the Model Curriculum (Order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 No. KR DSM-63 "On approval of state mandatory standards for levels of education in the field of health care", Order of the Minister of Health of the Republic of Kazakhstan dated January 9, 2023 No. 4 "On approval of model curricula for medical and pharmaceutical specialties").

The final learning outcomes are defined both at the level of the program as a whole and at the level of each discipline, as evidenced by the documents: the educational program itself and an example of the Syllabus. The learning outcomes are described in accordance with the Dublin descriptors.

The main approach to the training of residents of the NNCTO was determined to be the formation of clinical competencies and the practice-oriented nature of the program. 20% of all residency hours are allocated to studying the theoretical component and 80% are allocated to working with patients.

The integration of theoretical and practical components is ensured by the SROP. Interviews with teachers showed that in order to use active learning methods in the educational process, the faculty was trained in such technologies as case-based learning (CBL), problem-based learning (PBL), team-based learning (TBL), and research-oriented teaching method (RBL). There are clinical cases.

The following documents were provided for the work of the EEC: "Residency Training Regulations" (Pr. No. 07-02-05-02 / 0509-Θ dated October 20, 2021),

NSCTO named after Academician N.D. Batpenov. guarantees compliance with the principles of equality in relation to staff and students, regardless of gender, ethnic origin, religion, sexual orientation, socio-economic status and physical capabilities, applying the norms of domestic legislation and internally developed documents: the Code of Ethics, approved by the order of the director No. 06-04-02 / 0395-Θ dated September 08, 2020.

In order to improve the training of residents, it is planned to assign clinical mentors to each resident, whose activities are regulated by the "Regulations on Mentors", approved by Order No. 06-04-02 / 0405-Θ dated September 18, 2019.

In order to stimulate and motivate residents, involve them in research work, by the decision of the Academic Council of the NSCTO dated November 23, 2018 (minutes No. 5), a scholarship of the director of the NSCTO was established. Residents will be given the opportunity to attend scientific and practical conferences, seminars, trainings, and be involved in scientific projects. At the same time, the list of disciplines recommended as elective should be expanded to include disciplines for developing scientific research skills. Two disciplines of 4 credits each are offered, while a resident can choose only one discipline out of two. That is, the choice is narrowed and does not provide an opportunity to meet the needs of students in mastering professional competencies directly related to the chosen specialty, as well as in acquiring additional skills.

### ***The analytical part***

The educational program is designed with a focus on practice, and its development involves mainly employees of the postgraduate training department and the person responsible for the residency program, but without the participation of other stakeholders.

The disciplines of the residency's educational programs are logically interconnected, providing for the study of both the theoretical component and the development of practice.

The formed learning outcomes and the disciplines proposed for their achievement are focused on the clinical aspect and are insufficient in scientific competencies, behavioral, social sciences and preventive medicine, medical jurisprudence and forensic medicine, and management disciplines.

### ***Strengths/Best practices***

The strengths of this standard have not been identified.

### ***EEC Recommendations***

1. Include a critical assessment of literature and scientific data in the EP, and adapt the content based on scientific developments in medicine. The deadline is until the end of 2023.
2. Include adequate representation from teaching staff, students, and other key and relevant stakeholders in the planning and development of the educational program. The term is during the 2023-2024 academic year and on an ongoing basis.
3. Expand the catalog of elective disciplines for the formation of scientific competencies, communication skills, medical ethics, knowledge of medical law, etc. The deadline is until the end of 2023.

### ***Conclusions of the EEC on the criteria:***

*strong* - 0;

*satisfactory* - 17;

*suggest improvements* - 3;

*unsatisfactory* - 0.

## **6.3. The "Student Assessment Policy" standard**

### ***The evidentiary part***

The National Scientific Research Center named after N.D. Batpenov is guided by regulatory documents on assessing the achievements of residents, and has also compiled and uses internal documents – the "Regulations on Residency Training", "Regulations on conducting ongoing academic Performance Monitoring, intermediate and final attestation".

The policy and procedures for assessing the academic achievements of residents are carried out in accordance with the goals and objectives set for the implementation of the educational program and the qualifications awarded within the framework of the current rating system and control of the educational process. Monitoring and evaluation of educational achievements of

residents is carried out in the form of current, boundary, intermediate and final control within the framework of the specialty being studied.

The documents submitted for examination, the results of interviews with students, and the teaching staff allow us to demonstrate the university's policy regarding ensuring the objectivity of learning outcomes.

Checklists have been developed to evaluate future residents. It is planned to attract qualified employees of practical healthcare at the stage of intermediate and final certification.

In case of contradictions on assessment issues, the Center has developed Rules for conducting Appeals.

### ***The analytical part***

An analysis of the self-assessment report submitted to internal regulatory documents indicates that the Center has developed an assessment policy for the current, milestone, and final assessment. The methods used are based on ensuring objectivity using appropriate assessment criteria.

In general, it is planned to use methods for assessing knowledge and practical skills in accordance with the stated results and level of training. When assessing professional competencies, an assessment of the resident's work in the clinic will be used – a 360-degree assessment, an assessment of the resident's work in the clinic, on duty, during independent work. The report and the oral interview with the Teaching staff did not sufficiently convincingly reflect information on how the reliability and validity analysis and the validity of assessment methods are planned.

### ***Strengths/Best practices***

The strengths of this standard have not been identified.

### ***EEC Recommendations***

1. To develop and implement an additional set of methods and formats for assessing students' academic achievements to ensure transparency and objectivity. The deadline is during the 2023-2024 academic year.

2. Document the reliability, validity and fairness of assessment methods. The term is from 2023-2024 and on an ongoing basis.

### ***Conclusions of the EEC on the criteria:***

*strong* - 0;

*satisfactory* - 7;

*suggest improvements* - 3;

*unsatisfactory* - 0.

## **6.4. The “Students” standard**

### ***The evidentiary part***

In the 2023-2024 academic year, the first enrollment in the program "Physical Medicine and rehabilitation, adult, children" is planned. To this end, based on the Standard Rules for Admission to study in educational organizations implementing educational programs of higher and postgraduate education (Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 "On approval of Standard Rules for Admission to study in educational organizations implementing educational programs of higher and postgraduate education" (as amended by the Order The Minister of Science and Higher Education of the Republic of Kazakhstan dated 12/15/2022 No. 189), the Rules of Admission to the residency at the NSCTO have been developed. A number of career guidance meetings were

held with university interns, and the conditions and list of documents for admission were published on the official website of the Center.

The balance and opportunities for training and recruitment of students are provided based on an analysis of the resources of the material and technical base of the NSCTO, the teaching staff, and the professionalism of practical healthcare staff (clinical mentors).

The external and internal regulations that underlie the NSCTO residency selection procedure guarantee its transparency and equality of access to postgraduate education.

When applying for residency, the achieved competencies at the internship level are taken into account, as well as scientific achievements corresponding to the profile of the chosen specialty. Enrollment of persons in the residency program on a paid basis is based on the results of the entrance exam for the profile of the group of educational programs and those who have scored at least 75 points out of a possible 100 points.

The appeal procedure against the decision of the admissions committee is carried out in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600.

The NSCTO defines the rules for transferring from other organizations and to other organizations, and the decision is made on a commission basis.

All information about the admission is available on the NSCTO website <https://www.nscto.kz/index.php/ru/schedules/obrazovanie/rezidentura>

#### ***The analytical part***

Selection and admission to educational residency programs at the NSCTO named after Academician N.D. Batpenov is conducted in accordance with established external regulatory documents. The admission procedure is ensured by the principles of transparency and equality of opportunity.

The contingent of the residency program is regulated in accordance with the needs of the industry in personnel, provided there is a sufficient level of resources: human, informational, logistical, including the availability of clinical bases and modern equipment.

An analysis of the materials of the residency program report, the results of the interview during the interview and the information provided on the university's website showed compliance with the anti-corruption culture at the National Research Scientific Center named after N.D. Batpenov, as well as compliance with the requirements of accreditation standards. The rights of future residents are protected: there is an appeal procedure, the possibility of contacting the management, psychological and legal advice and academic support from the staff of the postgraduate training department are provided.

#### ***Strengths/Best practices***

The strengths of this standard have not been identified.

#### ***EEC Recommendations***

There are no recommendations for this standard.

#### ***Conclusions of the EEC on the criteria:***

*strong* - 0;

*satisfactory* - 24;

*suggest improvements* - 0;

*unsatisfactory* - 0.

### ***6.5. The “Academic Staff/Faculty” standard***

#### ***The evidentiary part***

The teaching staff of the center meets the qualification requirements, has full knowledge and possesses modern teaching methods, the necessary skills and experience to effectively transfer knowledge to students during the educational process.

Recruitment, promotion, incentives, dismissals, and familiarization of personnel with their rights and duties are carried out in accordance with the Labor Code of the Republic of Kazakhstan and the Human Resource Management Program (Order No. 07-02-05-02/0379-O dated 06/26/2021).

The requirements for staffing and the educational process of the residency are determined by the qualification requirements for educational activities during licensing. By Order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015. No. 391 "On approval of qualification requirements for educational activities of organizations providing higher and (or) postgraduate education, and a list of documents confirming compliance" as amended by the Order of the Acting Minister of Science and Higher Education of the Republic of Kazakhstan dated 11/24/2022 No. 152) and the State Educational Standard.

The NSCTO conducts personnel policy in such a way that the profile of the teaching staff strictly corresponds to the range and balance of pedagogical skills, which is achieved by constant monitoring and regulation of the ratio of teaching staff teaching basic and clinical disciplines.

In order to improve the quality of knowledge in the field of their professional competence, the library provides teachers with access to information resources and databases.

The training and advanced training of the teaching staff is mainly carried out through short-term courses and internships at leading universities and enterprises in Kazakhstan and abroad.

The center pays great attention to ensuring that the merits of teaching staff are properly recognized and rewarded. In order to staff the center with competent and experienced personnel. Ensure sufficient material conditions for the conscientious performance of official duties, production efficiency and quality of work. The relationship between specific work results and increased material interest of employees, for achievements in scientific activity, innovation in work, long-term and impeccable work, and for other achievements in work, various forms of labor incentives and financial incentives.

The center creates favorable working conditions for employees, which is reflected in the appropriate equipment of workplaces in compliance with sanitary standards and requirements. Providing the educational and medical process with the necessary logistical equipment of a new generation, as well as participation in solving a number of social issues - providing vouchers to sanatoriums and rest homes on preferential terms, providing financial assistance. Financial incentives for NSCTO employees are expressed in bonuses and financial incentives for employees in accordance with the approved Regulations.

### ***The analytical part***

The Commission conducted an analysis of the recruitment and hiring processes of teachers at the center. Qualifications, work experience, teaching skills, and scientific activity are important factors. It was noted that priority is given to candidates who are able to actively participate in scientific research and practical activities, thus ensuring the progressiveness of the center.

The management emphasized the importance of continuous professional development and professional development of teachers. In order to ensure a high level of education and improve scientific research, various training programs, seminars and conferences for teachers are offered.

The teaching assessment system was discussed, which makes it possible to determine the effectiveness and efficiency of teachers' work.

Conversations were held with teachers of various levels and work experience. It is noted that many of them have significant experience in the field of rehabilitation, as well as are recognized experts in their fields.

The teachers demonstrated high professionalism and deep knowledge of their subject area.

The recruitment and development system, as well as staff motivation, are key aspects of the successful operation of the National Scientific Center for Traumatology and Orthopedics. During the discussion with the Head of the Human Resources Development Department, the following basic principles and practices were identified:

- The Center adheres to a systematic and competent approach to recruitment. This includes defining job requirements, posting ads, conducting interviews, evaluating candidates, and making hiring decisions. It is important to ensure objectivity and transparency in the selection process, taking into account both professional qualities and potential for development.
- The Center provides a variety of professional development opportunities for its employees. This may include participation in scientific conferences, trainings, seminars, and educational programs.
- The Center recognizes the importance of motivating its employees to achieve high results. This can be achieved by providing a variety of incentives, such as financial incentives, professional growth opportunities, recognition of achievements, and participation in projects that contribute to the center's progress.
- The Center strives to develop and maintain leadership skills among its employees.

#### ***Strengths/Best practices***

The strengths of this standard have not been identified.

#### ***EEC Recommendations:***

1. Develop a system of individual development plans and provide financial support for teacher training, as well as organize experience exchange and workshops to share best practices. The deadline is from the 1st quarter of 2024 and on an ongoing basis.
2. Create a specialized platform for teaching teachers' pedagogical competencies, including the development of programs and courses, as well as the organization of a feedback and mentoring system to support the development of pedagogical skills. The deadline is the 2023-2024 academic year.

#### ***Conclusions of the EEC on the criteria:***

*strong* - 0;

*satisfactory* - 8;

*suggest improvements* - 0;

*unsatisfactory* - 0.

### 6.6. The "Educational Resources" standard

#### ***The evidentiary part***

Residency training in the specialty 7R01126 "Physical medicine and rehabilitation for adults and children" is carried out directly on the basis of the National Research Center of Traumatology and Orthopedics. Academician N.D. Batpenov. Today, the National Scientific Research Center for Traumatology and Orthopedics is the only scientific and clinical research center in Kazakhstan that develops, improves and implements the latest advanced technologies in this field of medicine. Currently, the NSCTO named after Academician N.D. Batpenov. It operates in three main areas: research, medical and educational.

Highly specialized and specialized medical care is provided in 14 clinical departments designed for 385 patients. There is a rehabilitation department where residents are trained to supervise patients and actively participate in treatment. The patient population meets the requirements for residency training in the specialty. During the training, the student acquires a wide and comprehensive experience in rehabilitation, providing medical services in a hospital or polyclinic.



The material and technical base of the educational process is maintained at a sufficient level and complies with sanitary standards, fire safety requirements and state standards of the specialty being implemented.

For training and self-preparation, residents have resident rooms at their disposal, where they work with medical documentation, equipped with computers with Internet access, the possibility of learning how to work with the EIR (electronic inpatient registry) and BH (bureau of hospitalization) programs, and the availability of educational and methodological literature.

One of the important aspects of the scientific activity of the NSCTO is the development of new technologies and the introduction of medical science achievements into healthcare practice and the educational process.

### ***The analytical part***

During the assessment of the center's capabilities for training residents in the physical medicine and rehabilitation program, the following key aspects were identified:

Doctors and specialists working in the field of physical medicine and rehabilitation have a wide range of knowledge and skills necessary for the training of future specialists.

The availability of specialized simulators, equipment for physiotherapy and other rehabilitation procedures allows residents to gain practical skills in accordance with modern standards.

Residents have the opportunity to receive systematic training in the field of physical medicine and rehabilitation, including participation in clinical practices and research projects.

The library's resources are represented in an extensive and diverse collection, encompassing medical literature, journals, research, and other publications in the field of rehabilitation and physical medicine. The library staff is ready to assist in finding information and providing access to relevant materials to support research and professional development.

In the clinic, residents have resident rooms for training and self-preparation, where they work with medical documentation, equipped with computers with Internet access.

Memoranda and cooperation agreements were signed with "Multidisciplinary City Hospital No. 1" of the Akimat of Astana, "Multidisciplinary City Children's Hospital No. 2" of the Akimat of Astana, the Adal-Niet Rehabilitation Center, within the framework of academic mobility with the NJSC "Karaganda Medical University", JSC "South Kazakhstan Medical the academy."

NSCTO has a website [www.nscto.kz](http://www.nscto.kz), which supports the mission, goals and objectives, which is effectively used to improve the quality of educational programs. The center's website provides the official presentation of information about the center on the Internet.

NSCTO named after Academician Batpenova N.D. provides an opportunity to implement the necessary direction in research work, conducts in-depth study, analysis and further practical implementation of modern diagnostic and therapeutic techniques.

### ***Strengths/Best practices***

The strengths of this standard have not been identified.

### ***EEC Recommendations:***

1. Provide support to employees who show interest and desire for research work in the field of medical education. Term - on an ongoing basis
2. The Center's management should pay attention to and support the development of expertise and research in medical education. Term - on an ongoing basis

### ***Conclusions of the EEC on the criteria:***

*strong - 0;*

*satisfactory - 14;*

*suggest improvements - 1;*

*unsatisfactory - 0.*

### 6.7. The “Evaluation of the educational program” standard

#### ***The evidentiary part***

Due representation of stakeholders in the assessment of the processes and end results of resident training programs is maintained at the NSCTO.

Through the implementation of an individual curriculum, the residency students, as one of the stakeholders, participate in monitoring the implementation of the residency program. Based on the choice of elective discipline and through feedback, residents evaluate the educational program. The choice of core disciplines of the component of choice leads to an increase in the level of individual educational achievement. Which is manifested in preparation for a conscious and responsible choice of their specialty, the development of skills and activities among residents aimed at solving practical problems, creating conditions for self-education, skills of independent work and self-control of their achievements.

The management system of the educational program of the specialty residency provides for the participation of all stakeholders, including practical healthcare, and reflects the responsibility of management.

The Department of Postgraduate Education is working to collect feedback from residents to determine their level of satisfaction with the content of the educational program, the organization of the educational process in the form of questionnaires, monitoring requests to the blog of the head, director. The NSCTO has a feedback collection box where residents can leave their suggestions, wishes and complaints incognito. Monitoring the achievement of the final learning goals by residents plays an important role in evaluating the educational program.

#### ***The analytical part***

Monitoring the compliance of the curriculum with the requirements of state education standards is a guarantee that residents receive the necessary knowledge and skills that meet the established standards. Also, monitoring the compliance of the training content with the requirements of state standards, qualification requirements and professional standards ensures the relevance and modernity of the residency program.

During the work of the commission, it was discovered that some of the requirements related to the monitoring and evaluation of the residency program were not properly fulfilled and did not reach the required level.

One of the identified shortcomings was the lack of clearly regulatory documents defining the procedures for monitoring and periodic evaluation of the residency educational program. The collection and analysis of feedback data from residents, practitioners, and employers has not been sufficiently conducted. This led to the omission of valuable information about the content of the residency program, training methods, assessment, and the needs of employers.

Given these shortcomings, it becomes clear that improvements need to be made to the monitoring and evaluation processes of the residency program. The purpose of such improvements will be to ensure a higher level of quality of training for residents that meets the modern requirements of the healthcare system.

#### ***Strengths/Best practices***

The strengths of this standard have not been identified.

#### ***EEC Recommendations***

1. To develop and implement clearly defined regulatory documents that establish procedures for monitoring and periodic evaluation of the educational program, learning outcomes, progress and academic performance of students. These documents should be accessible to all stakeholders and should clearly identify the responsible persons, dates and

methods of assessment. The deadline is until the end of the 2023-2024 academic year and is applied on an ongoing basis.

2. In order to achieve a higher level of assessment and monitoring of the residency program, it is recommended to actively involve key stakeholders such as residents, practitioners and employers. This can be done by systematically collecting feedback from them, holding regular meetings and discussions, and involving them in the process of developing and updating the residency program. The term is from the end of the 2023-2024 academic year and on an ongoing basis.

***Conclusions of the EEC on the criteria:***

*strong - 0;*

*satisfactory - 4;*

*suggest improvements - 5;*

*unsatisfactory - 0.*

**6.8. The “Management and Administration” standard**

***The evidentiary part***

The responsibilities and obligations of the management and staff of the center are determined by the current legislation of the Republic of Kazakhstan, internal regulatory documents of the center. In accordance with the Rules for developing the regulations of the structural unit and the job descriptions of employees, regulations on the unit have been developed and approved, defining the structure, goals, objectives, functions, responsibilities, internal and external interaction of structural units, as well as job descriptions of employees in accordance with the staffing table.

The responsibilities of the center's management: the director, deputy directors are defined in the order on the distribution of responsibilities, as well as the areas of authority and responsibility between members of the Supervisory Board and other employees of the center.

In accordance with the organizational structure of the center, the educational process of the residency is supervised by the Deputy Director for Research and Strategy, Head of the Center for Applied Scientific Research, which includes the Department of Postgraduate Education.

The Department of Postgraduate Education directly manages the residency program and coordinates the activities of residents. The Postgraduate Education Department oversees all stages of education. The decision of the Scientific and Methodological Council establishes the form of knowledge control and the procedure for its implementation. The Department of Postgraduate Education issues an order for admission to exams and, in some cases (for good or disrespectful reasons), arranges for exams to be taken on an individual schedule, and organizes the re-examination of subjects for students who have not completed the curriculum. The results of the assessment of the educational achievements of residents are discussed at meetings of the Department of Postgraduate Education, Scientific and Methodological Council.

***The analytical part***

The activity of the Scientific and Methodological Council is to ensure the quality of students' training and to monitor compliance with the requirements of the state mandatory standards of higher and postgraduate education. The Deputy Director for Research and Strategy, heads of departments, and residents take part in the work of the UMS, which allows for the harmonious integration of the disciplines studied.

The teaching staff carries out systematic monitoring of academic achievements of students in current classes on time according to the approved schedule of training sessions based on the working curriculum in accordance with the State Educational Standard of the Republic of Kazakhstan. The activities of the teaching staff are regulated by their job descriptions.

Teachers are directly responsible for the organization and effectiveness of current and boundary performance monitoring and intermediate assessment in disciplines, advise and take

exams in the field of academic discipline in accordance with the academic calendar, work program, syllabus and exam schedule.

According to the results of the evaluation of the Center, it was noted that an internal management quality assurance program has not yet been developed and implemented, including regular reviews of educational programs and their submission to the administrative management for review. This observation indicates the need for a systematic mechanism to improve the quality of the educational process and ensure its effectiveness.

The implementation of such a program would ensure regular reviews of educational programs, updating their content to meet modern requirements and standards, as well as systematic assessment and monitoring of residents' academic performance. Such an approach would help to increase the relevance of programs, the quality of training and compliance with the requirements of medical education.

***Strengths/Best practices***

The strengths of this standard have not been identified.

***EEC Recommendations***

To develop and implement an internal management quality assurance system, which will include regular reviews of educational programs and their submission to the administrative management for review. The deadline for the development of the document is until the end of 2023, and its implementation is from the 1st quarter of 2024 and on an ongoing basis.

***Conclusions of the EEC on the criteria:***

*strong - 0;*

*satisfactory - 11;*

*suggest improvements - 2;*

*unsatisfactory - 0.*

**(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD**

*The "Mission and Learning Outcomes" standard has not identified any strengths under this standard.*

*The standard "Educational Program" has not identified any strengths in this standard.*

*The standard "Student Assessment Policy" has not identified any strengths in this standard.*

*The "Students" standard has not identified any strengths in this standard.*

*The "Academic Staff" Standard/Teachers" has not identified any strengths in this standard.*

*The Educational Resources Standard has not identified any strengths in this standard.*

*The standard "Assessment of the educational program" has not identified any strengths in this standard.*

*The Management and Administration Standard* has not identified any strengths in this standard.

## **(VIII) OVERVIEW OF QUALITY IMPROVEMENT RECOMMENDATIONS**

### *The "Mission and Learning Outcomes" standard*

1. Define the mission based on the needs of society in matters of health, the needs of the medical care system, and other aspects of social responsibility. The deadline is September 1, 2023.
2. To provide in the text of the Mission for the development of innovations in the educational process, allowing for the development of broader and more specialized competencies than those defined within the framework of the basic required competencies; the development of scientific competence of students so that doctors can conduct research in the chosen field of medicine. The deadline is September 1, 2023.
3. Publish on the center's website the expected learning outcomes: general and specific for the EP "Physical medicine and rehabilitation, adult, children". The deadline is September 1, 2023.

### *The "Educational Program" standard*

1. Include a critical assessment of literature and scientific data in the EP, and adapt the content based on scientific developments in medicine. The deadline is until the end of 2023.
2. Include adequate representation from teaching staff, students, and other key and relevant stakeholders in the planning and development of the educational program. The term is during the 2023-2024 academic year and on an ongoing basis.
3. Expand the catalog of elective disciplines for the formation of scientific competencies, communication skills, medical ethics, knowledge of medical law, etc. The deadline is until the end of 2023.

### *The standard "Student Assessment Policy"*

1. To develop and implement an additional set of methods and formats for assessing students' academic achievements to ensure transparency and objectivity. The deadline is during the 2023-2024 academic year.
2. Document the reliability, validity and fairness of assessment methods. The term is from 2023-2024 and on an ongoing basis.

### *The "Students" standard*

There are no recommendations for this standard.

### *The "Teaching Staff" Standard*

1. Develop a system of individual development plans and provide financial support for teacher training, as well as organize experience exchange and workshops to share best practices. The deadline is from the 1st quarter of 2024 and on an ongoing basis.
2. Create a specialized platform for teaching teachers' pedagogical competencies, including the development of programs and courses, as well as the organization of a feedback and mentoring system to support the development of pedagogical skills. The deadline is the 2023-2024 academic year.

### *The Educational Resources Standard*

3. Provide support to employees who show interest and desire for research work in the field of medical education. Term - on an ongoing basis

4. The Center's management should pay attention to and support the development of expertise and research in medical education. Term - on an ongoing basis

*"Assessment of the educational program" standard*

1. To develop and implement clearly defined regulatory documents that establish procedures for monitoring and periodic evaluation of the educational program, learning outcomes, progress and academic performance of students. These documents should be accessible to all stakeholders and should clearly identify the responsible persons, dates and methods of assessment. The deadline is until the end of the 2023-2024 academic year and is applied on an ongoing basis.

2. In order to achieve a higher level of assessment and monitoring of the residency program, it is recommended to actively involve key stakeholders such as residents, practitioners and employers. This can be done by systematically collecting feedback from them, holding regular meetings and discussions, and involving them in the process of developing and updating the residency program. The term is from the end of the 2023-2024 academic year and on an ongoing basis.

*Management and Administration Standard*

To develop and implement an internal management quality assurance system, which will include regular reviews of educational programs and their submission to the administrative management for review. The deadline for the development of the document is until the end of 2023, and its implementation is from the 1st quarter of 2024 and on an ongoing basis.

**(IX) OVERVIEW OF THE RECOMMENDATIONS FOR THE DEVELOPMENT OF EDUCATION ORGANIZATION**

## Attachment 1. Evaluation table “PARAMETERS OF A SPECIALISED PROFILE”

S No.	S No.	No. Criteria	CRITERIA FOR ASSESSMENTS	CO position			
				Strong	Satisfactory	Suggests improvement	Unsatisfactory
<b>“MISSION AND LEARNING OUTCOMES” standard 1</b>							
<b>1.1 Mission Definition</b>							
<b>The organization of education must:</b>							
1	1	1.1.1.	define the mission of the postgraduate medical education program and communicate it to stakeholders and the health sector		+		
2	2	1.1.2.	define a mission based on the health needs of society, the needs of the health care system, and other aspects of social responsibility			+	
3	3	1.1.3.	define a training program containing theoretical and practical components with an emphasis on the latter, which will result in a physician: <ul style="list-style-type: none"> <li>▪ competent in the chosen field of medicine, including good medical practice,</li> <li>▪ able to work independently at a high professional level,</li> <li>▪ able to work in a professional and interprofessional team,</li> <li>▪ willing to learn throughout life and to participate in continuing medical education/professional development.</li> <li>▪ able to provide appropriate patient care that is appropriate, effective, compassionate and safe in solving health problems and in matters of health promotion, incorporating a patient-centered and systems approach</li> </ul>		+		
4	4	1.1.4.	provide for readiness to provide appropriate working conditions for students to maintain their health		+		
<b>The organization of education must:</b>							
5	5	1.1.5.	to ensure that the mission includes the development of innovations in the educational process, allowing the development of broader and more specialized competencies than those defined within the framework of the basic required competencies; the development of scientific competence of students so that doctors can conduct research in their chosen field of medicine; opportunities for doctors to become active participants in solving issues, related to social determinants of health			+	

<b>1.2 Professionalism and professional autonomy</b>									
<b>The organization of education must:</b>									
6	6	1.2.1.	Include professionalism in the training of physicians and ensure that training promotes professional autonomy to enable future action in the best interests of the patient and society.				+		
<b>The organization of education must:</b>									
7	7	1.2.2.	provide for cooperation with the Government and other partners, while maintaining appropriate independence from them.				+		
<b>1.3. Learning outcomes</b>									
<b>The organization of education must:</b>									
8	8	1.3.1.	identify the expected learning outcomes that students should achieve upon completion of their studies in relation to their achievements at the postgraduate level in terms of knowledge, skills and behavior/attitude, the appropriate foundation for a future career in their chosen field of medicine, their future roles in the health sector, commitment and skills in the implementation of continuing education, the health needs of society, the needs of the health system and other aspects of social responsibility, professional behavior				+		
9	9	1.3.2.	identify and publish the expected learning outcomes: general and specialty-specific, which students need to achieve					+	
10	10	1.3.3.	ensure proper behavior of students towards classmates, teachers, medical staff, patients and their relatives				+		
<b>The organization of education must:</b>									
11	11	1.3.4.	To determine the expected learning outcomes based on the results obtained at the basic medical education level to ensure the interaction between basic and postgraduate medical education				+		
<b>1.4. Participation in the formulation of mission and learning outcomes</b>									
<b>The organization of education must:</b>									
12	12	1.4.1.	ensure the participation of key stakeholders in the formulation of the mission and expected learning outcomes				+		
<b>The organization of education must:</b>									
13	13	1.4.2.	ensure that the stated mission and expected learning outcomes are based on the opinions/suggestions of other stakeholders					+	
				<b>Total</b>	0	9	4	0	
<b>“EDUCATIONAL PROGRAM” standard 2</b>									
<b>2.1. The learning approach</b>									
<b>The organization of education must:</b>									
14	1	2.1.1.	to determine the approach to training based on the expected learning outcomes and official certificates of qualifications provided as the basis for the official recognition of a specialist in the chosen field of medicine at the national and international levels, in accordance with the descriptors of the National and The European Qualifications Framework				+		
15	2	2.1.2.	to define an approach to training based on the results of basic medical education, systematically and transparently, using practice-oriented training that includes and supports the student's personal involvement in providing medical care and responsibility for the patient, their own educational process and clinical practice				+		



16	3	2.1.3.	demonstrate evidence of willingness to ensure the use of appropriate teaching methods that integrate practical and theoretical components, guide the learner through mentoring and regular assessment and feedback, including adherence to ethical requirements and norms		+		
17	4	2.1.4.	demonstrate evidence of willingness to ensure that the educational program is implemented in accordance with the principles of equality, inform students about the program, the rights and responsibilities of trainees		+		
<b>The organization of education must:</b>							
18	5	2.1.5.	to increase the degree of independence and responsibility of the student as knowledge, skills, and acquired experience improve		+		
19	6	2.1.6.	provide an opportunity to identify gender, cultural and religious characteristics and properly prepare the student to interact with the specified patient population		+		
<b>2.2. The scientific method</b>							
<b>The organization of education must:</b>							
20	7	2.2.1.	throughout the training program, teach students the principles of scientific methodology, including methods of analytical and critical thinking; research methods in healthcare and evidence-based medicine		+		
<b>The organization of education must:</b>							
21	8	2.2.2.	strive to include in the EP a critical assessment of literature and scientific data, adapt content based on scientific developments in medicine, modify the EP, taking into account the achievements of scientific, technological, medical and pharmaceutical developments, current and expected needs of society and the healthcare system			+	
<b>2.3 The content of the training</b>							
<b>The organization of education must:</b>							
22	9	2.3.1.	to include in the learning process the practice and theory of basic biomedical, clinical, behavioral, social sciences and preventive medicine, clinical solutions, communication skills, medical ethics, public health, medical jurisprudence and forensic medicine, management disciplines, patient safety, protection of doctors, complementary medicine			+	
23	10	2.3.2.	organize an educational program with appropriate attention to patient safety and independence		+		
<b>The organization of education must:</b>							
24	11	2.3.3.	demonstrate evidence of willingness to ensure adjustments and amendments to the EP to ensure the development of knowledge, skills and thinking of various graduate roles, compliance of the content of the EP with the changing conditions and needs of society and the healthcare system		+		
<b>2.4. The structure of the educational program, content and duration</b>							
<b>The organization of education must:</b>							

25	12	2.4.1.	provide a description of the content, scope and sequence of courses and duration of the OP; identify mandatory and selective components; combine practice and theory in the learning process; ensure compliance with national legislation that should be presented and described; ensure adequate impact on how local, national or regional health systems address health problems and medical needs assistance to the population		+			
<b>The organization of education must:</b>								
26	13	2.4.2.	take into account the learning outcomes of previous basic medical education related to the chosen field of medicine		+			
27	14	2.4.3.	Determine graduate requirements for various roles in the healthcare system		+			
<b>2.5. Organization of training</b>								
<b>The organization of education must:</b>								
28	15	2.5.1.	Define responsibilities and authorities for organizing, coordinating, managing, and evaluating the individual learning environment and learning process		+			
29	16	2.5.2.	Ensure that adequate representation from teaching staff, students, and other key and relevant stakeholders is included in the planning and development of the educational program.			+		
30	17	2.5.3.	plan the training in such a way as to familiarize the student with a wide range of existing practical experience in the chosen field of medicine.		+			
<b>The organization of education must:</b>								
31	18	2.5.4.	ra to ensure a variety of study sites, coordinate multiple study sites to gain appropriate access to different aspects of the chosen field of medicine		+			
<b>2.6. The relation between education, medical practice and the healthcare system</b>								
<b>The organization of education must:</b>								
32	19	2.6.1.	to provide for and ensure integration between theoretical training and professional development, to develop training through medical practice and professional development; to integrate training and medical practice through the provision of medical care to patients; to ensure that training complements and takes into account the needs of medical care		+			
<b>The organization of education must:</b>								
33	20	2.6.2.	effectively use the capabilities of the healthcare system to provide medical care for training purposes		+			
				<b>Total</b>	0	17	3	0
<b>“STUDENT ASSESMENT POLICY” standard 3</b>								
<b>3.1. Assessment methods</b>								
<b>The organization of education must:</b>								
34	1	3.1.1.	to develop and implement a student assessment/assessment policy; to define, approve and publish the principles, objectives, methods and practices of student assessment, including, if necessary, verification by specialists		+			
35	2	3.1.2.	Ensure that assessment procedures cover knowledge, skills, attitudes, and professional behavior		+			
36	3	3.1.3.	Ensure that an additional set of assessment methods and formats are used in accordance with their "assessment effectiveness", including the use of multiple evaluators and multiple assessment methods			+		

37	4	3.1.4.	Determine the criteria for passing exams or other types of assessment, including the number of retakes allowed		+			
38	5	3.1.5.	provide for the possibility of documenting the reliability, validity and fairness of student assessment methods			+		
39	6	3.1.6.	Use a review system based on the principles of fairness or in accordance with appropriate legal procedures		+			
<b>The organization of education must:</b>								
40	7	3.1.7.	implement new assessment methods according to need, document different types and stages of training and assessment			+		
41	8	3.1.8.	to encourage the process of examination of assessment methods by external experts		+			
<b>3.2. The relationship between assessment and learning</b>								
<b>The organization of education must:</b>								
42	9	3.2.1.	Use assessment principles, methods, and practices that are comparable to expected learning outcomes and methods; ensure that students achieve expected learning outcomes; facilitate student learning; ensure that learning is adequate and relevant; and provide timely, specific, constructive, and objective feedback to students based on an assessment of their performance		+			
<b>The organization of education must:</b>								
43	10	3.2.2.	use assessment principles, methods and practices that encourage integrated learning, encourage learners to engage in clinical practice, and promote interprofessional learning		+			
				<b>Total</b>	0	7	3	0
<b>“STUDENTS” standard 4</b>								
<b>4.1. Selection and Admission Policy</b>								
<b>The organization of education must:</b>								
44	1	4.1.1.	have a policy and implement admission and admission practices based on the organization's mission and including a clearly defined regulation on the student selection process		+			
45	2	4.1.2.	to ensure a balance between learning opportunities and the admission of students; to formulate and implement policies / rules for the selection of students according to established criteria; to have a policy and implement the practice of admission, admission of students with disabilities in accordance with applicable laws and regulatory documents of the country; to ensure a high level of knowledge and skills in the field of basic biomedical sciences, achieved at the previous level of basic medical education; ensure transparency and fairness of the selection procedure		+			
46	3	4.1.3.	have a policy and implement the practice of transferring students from other educational institutions, including foreign ones		+			
<b>The organization of education must:</b>								
47	4	4.1.4.	to ensure in the selection procedure the opportunities of potential students to improve the quality of education in the chosen field of medicine; to ensure the transparency of the selection procedure; to provide a mechanism for appealing admission decisions		+			
48	5	4.1.5.	involve student associations and other stakeholders in the development of policies and the selection process by periodically reviewing the admissions policies and rules		+			
<b>4.2. Number of students</b>								

<b>The organization of education must:</b>						
49	6	4.2.1.	determine the number of students accepted in accordance with: clinical/practical		+	
			training opportunities, the ability of the educational institution to conduct appropriate control and monitoring of the educational process, material and technical and other available resources, information on the health needs of society and society			
<b>The organization of education must:</b>						
50	7	4.2.2.	Periodically review the number and contingent of admitted students in consultation with relevant stakeholders responsible for planning and developing human resources in the health sector		+	
51	8	4.2.3.	to adapt the number of potential trainees, taking into account the available information on the number of qualified candidates and information on national and international labor markets; to regulate the number of potential trainees, taking into account the inherent unpredictability of the exact workforce needs of specialists in various fields of medicine		+	
<b>4.3. Advising and supporting students</b>						
<b>The organization of education must:</b>						
52	9	4.3.1.	demonstrate willingness to provide students with access to the academic counseling system for students		+	
53	10	4.3.2.	Demonstrate a willingness to provide academic counseling while monitoring and monitoring student progress, including the analysis of unintended incidents.		+	
54	11	4.3.3.	To demonstrate willingness to provide a student support program that addresses social, financial, and personal needs.		+	
55	12	4.3.4.	demonstrate willingness to allocate resources for social and personal support of students; ensure confidentiality regarding counseling and support		+	
56	13	4.3.5.	offer professional orientation, professional career planning counseling		+	
<b>The organization of education must:</b>						
57	14	4.3.6.	provide counseling to support students in the event of a professional crisis; involve organizations/associations of students in solving students' problem situations		+	
<b>4.4. Student representation</b>						
<b>The organization of education must:</b>						
58	15	4.4.1.	define and implement a policy of student representation and their appropriate participation in the development of the mission and intended learning outcomes, in the development of educational programs, planning of learning conditions for students, assessment and management of educational programs		+	
<b>The organization of education must:</b>						
59	16	4.4.2.	Encourage student representation to participate in decision-making on educational processes, conditions and rules of study		+	
<b>4.5 Working conditions</b>						
<b>The organization of education must:</b>						
60	17	4.5.1.	provide a training program with appropriate remuneration/ scholarships or other ways of financing and motivating students		+	
61	18	4.5.2.	Ensure that students have access to patient care, including calling a doctor, where appropriate		+	

62	19	4.5.3.	demonstrate evidence of willingness to identify and publish students' working conditions and responsibilities		+		
63	20	4.5.4.	provide for interruptions of studies caused by pregnancy (including maternity/paternity leave, child care), illness, military service, or secondment for additional training		+		
<b>The organization of education must:</b>							
64	21	4.5.5.	strive to ensure that the working components in the student's work do not dominate the educational component/training		+		
65	22	4.5.6.	To take into account the needs of patients, the continuity of medical care, and the educational needs of students when drawing up a work plan and schedule, including on-call work		+		
66	23	4.5.7.	allow distance learning under special circumstances, in accordance with the individual educational trajectory and work experience of the student, providing evidence that the total duration and quality of distance learning is not less than in full-time education		+		
67	24	4.5.8.	provide for the possibility of continuing education under conditions of study breaks related to pregnancy (including maternity/paternity leave), illness, military service or secondment		+		
				<b>Total</b>	0	24	0 0
<b>“ACADEMIC STAFF/FACULTY” standard 5</b>							
<b>5.1. Recruitment and selection policy</b>							
<b>The educational organization should develop and implement a staff selection and recruitment policy that:</b>							
68	1	5.1.1.	To take into account the necessary criteria for employment with the condition of examination of documents; contains criteria for the scientific, pedagogical and clinical/professional merits of applicants, including the proper balance between pedagogical, scientific and professional qualifications		+		
69	2	5.1.2.	To define the responsibilities of teachers, including the balance between teaching, scientific and other functions, taking into account the mission of the educational institution, the needs of the education system and the needs of the healthcare system.		+		
<b>The educational organization should develop and implement a staff activity and development policy aimed at:</b>							
70	3	5.1.3.	To ensure that teachers have practical experience in the relevant field, are recognized experts in the relevant field, and that teachers of narrow specialties, if necessary, are approved for appropriate periods of study, depending on their qualifications		+		
71	4	5.1.4.	To encourage participation in programs to develop their educational potential, use the expertise of educational activities to increase the potential of academic staff, and determine the level of remuneration for participation in postgraduate education		+		
<b>5.2. Staff activity and Development Policy</b>							
<b>The educational organization should develop and implement a staff activity and development policy aimed at:</b>							
72	5	5.2.1.	ensure that teachers have enough time for learning, counseling, and independent development.		+		
73	6	5.2.2.	the presence of a structure responsible for the development of academic staff, ensuring periodic assessment of academic staff		+		
<b>The organization of education must:</b>							
74	7	5.2.3.			+		

			development and implementation of a policy to support academic staff in matters of pedagogy and advanced training for further professional development; evaluate and recognize the scientific and academic achievements of teachers				
75	8	5.2.4.	the ability to take into account the “teacher-student” ratio depending on the various components of the EP, taking into account the features that ensure close personal interaction and monitoring of students		+		
<b>Total</b>				0	8	0	0
<b>“EDUCATIONAL RESOURCES” standard 6</b>							
<b>6.1. Material and technical base</b>							
<b>The organization of education must:</b>							
76	1	6.1.1.	demonstrate readiness to provide students with sufficient material and technical base to ensure adequate implementation of the EP, space and opportunities for practical and theoretical research; access to relevant professional literature; adequate information and communication technologies; modern equipment for teaching practical methods; a safe learning environment		+		
<b>The organization of education must:</b>							
77	2	6.1.2.	demonstrate a willingness to improve the learning environment by regularly updating, expanding and strengthening the material and technical base and equipment to maintain the appropriate quality of education at the postgraduate level		+		
<b>6.2. Educational environment</b>							
<b>The organization of education must:</b>							
78	3	6.2.1.	demonstrate willingness to provide the necessary resources for students to acquire adequate practical experience, including the selection and approval of a clinical base as an educational environment; access to sufficient clinical/practical facilities/bases to provide training; sufficient number and diversity of patients; appropriate diverse clinical cases to achieve the goals and objectives of training, including the use of resources both inpatient, as well as at the outpatient level, in order to provide the student with a wide range of experience in the chosen field of medicine.		+		
<b>The organization of education must:</b>							
79	4	6.2.2.	demonstrate a willingness, when choosing a learning environment, to ensure the number of patients and the appropriate variety of clinical cases, allowing for clinical experience in all aspects of the chosen specialty, including training in organization and management in the field of health and disease prevention; training at a university clinic, as well as training at other relevant clinics/institutions and community facilities/locations, if necessary		+		
<b>6.3. Information technology</b>							
<b>The organization of education must:</b>							
80	5	6.3.1.	guarantee access to information and communication technologies and other electronic media		+		
81	6	6.3.2.	demonstrate willingness to use information and communication technologies effectively and ethically in the EP		+		
<b>The organization of education must:</b>							

82	7	6.3.3.	to provide teachers and students with the opportunity to use information and communication technologies: for self-study; communication with colleagues; access to health information resources and relevant patient data; patient supervision and work in the healthcare system to provide medical care		+			
<b>6.4 Clinical teams</b>								
<b>The organization of education must:</b>								
83	8	6.4.1.	demonstrate willingness to provide students with the opportunity to gain experience working in a team with colleagues and other medical professionals		+			
<b>The organization of education must:</b>								
84	9	6.4.2.	demonstrate willingness to encourage learning in a multidisciplinary/interprofessional team, promote the development of the ability to guide and train other medical professionals		+			
<b>6.5. Medical and scientific research</b>								
<b>The organization of education must:</b>								
85	10	6.5.1.	demonstrate willingness to guarantee and provide conditions for students to acquire knowledge in the field of research methodology and the ability to apply scientific foundations and research methods in their chosen field of medicine, to ensure integration and balance between learning and research		+			
<b>The organization of education must:</b>								
86	11	6.5.2.	demonstrate willingness to encourage students to participate in medical scientific research dedicated to the study of the state and quality of public health and the healthcare system, provide sufficient time within the educational program for students to conduct research, provide access to research facilities and activities in the places of study		+			
<b>6.6. Expertise in the field of education</b>								
<b>The organization of education must:</b>								
87	12	6.6.1.	To define and implement a policy for the use of educational expertise at the planning, implementation and evaluation stage of the program		+			
<b>The organization of education must:</b>								
88	13	6.6.2.	to stimulate the development of expertise in the assessment of education and research in medical education as a discipline, to promote the desire and interests of employees in conducting research in medical education			+		
<b>6.7. Alternative learning and educational exchange</b>								
<b>The organization of education must:</b>								
89	14	6.7.1.	define and implement a policy of accessibility of individual learning opportunities in other educational institutions of the appropriate level within or outside the country, transfer and offset of educational credits and learning outcomes		+			
<b>The organization of education must:</b>								
90	15	6.7.2.	Demonstrate willingness to facilitate regional and international exchange of staff (academic, administrative, and teaching staff) and students by providing appropriate resources; establish links with relevant national and international bodies to conduct exchanges and mutual recognition of learning elements		+			
				<b>Total</b>	0	14	1	0
<b>“EVALUATION OF THE EDUCATIONAL PROGRAM” standard 7</b>								

<b>7.1. Monitoring and evaluation mechanisms of the program</b>								
<b>The organization of education must:</b>								
91	1	7.1.1.	have regulated procedures for monitoring, periodic assessment of educational performance, learning outcomes, progress and academic performance of students with the involvement of key stakeholders			+		
92	2	7.1.2.	demonstrate evidence of willingness to regularly monitor EP, assess the relationship between EP policy and the needs of education and the health system, assess the educational process, student assessment methods, student progress, academic staff qualifications, assess and analyze identified problems, and ensure that the relevant assessment results affect the quality of EP			+		
<b>The organization of education must:</b>								
93	3	7.1.3.	demonstrate willingness to make the evaluation process and results transparent to all stakeholders			+		
<b>7.2. Teacher and student feedback</b>								
<b>The organization of education must:</b>								
94	4	7.2.1.	systematically conduct, analyze and respond to feedback from teachers and students			+		
<b>The organization of education must:</b>								
95	5	7.2.2.	actively involve teachers and students in planning the evaluation of the program and using the evaluation results to improve the program			+		
<b>7.3 The results of the training of qualified specialists</b>								
<b>The organization of education must:</b>								
96	6	7.3.1.	demonstrate evidence of willingness to constantly monitor qualified professionals; provide feedback on the clinical practice of qualified professionals from employers; establish and apply a mechanism for evaluating the program using the collected data on the results of the clinical practice of qualified professionals			+		
<b>The organization of education must:</b>								
97	7	7.3.2.	to inform the structural units responsible for the selection of students, the development and planning of the educational program, and the counseling of students about the results of the assessment of the clinical practice of students			+		
<b>7.4. Stakeholder engagement</b>								
<b>The organization of education must:</b>								
98	8	7.4.1.	demonstrate evidence of willingness to involve key stakeholders in monitoring and evaluating the EP			+		
<b>The organization of education must:</b>								
99	9	7.4.2.	demonstrate evidence of willingness to provide stakeholders with access to the evaluation results of the course and educational program; take into account the results of feedback from qualified professionals; take into account the results of feedback on the EP			+		
				<b>Total</b>	0	4	5	0
<b>“MANAGEMENT AND ADMINISTRATION” standard 8.</b>								
<b>8.1. Management</b>								
<b>The organization of education must:</b>								
100	1	8.1.1.	demonstrate evidence of willingness to document completion of studies by issuing degrees, diplomas, certificates, or other official certificates of qualifications; provide evidence of formal qualifications provided as the basis for official recognition of a specialist in a chosen field of medicine at the national and international level			+		



<b>101</b>	2	8.1.2.	be responsible for quality assurance processes		+		
<b>The organization of education must:</b>							
<b>102</b>	3	8.1.3.	to ensure that the EP meets the needs of society in terms of health and the healthcare system, and to ensure transparency in the work of management structures and their decisions		+		



<b>8.2. Academic leadership</b>									
<b>The organization of education must:</b>									
103	4	8.2.1.	demonstrate evidence of readiness to assume responsibility for leadership/academic management and organization of postgraduate medical education		+				
<b>The organization of education must:</b>									
104	5	8.2.2.	demonstrate evidence of a willingness to periodically assess academic leadership in relation to the achievement of the program's mission and expected learning outcomes			+			
<b>8.3. Training budget and resource allocation</b>									
<b>The organization of education must:</b>									
105	6	8.3.1.	have a clear distribution of responsibility and authority for providing resources for the educational program, including a targeted budget for training		+				
106	7	8.3.2.	demonstrate evidence of readiness to allocate the resources necessary for the implementation of the EP and distribute educational resources in accordance with their needs		+				
<b>The organization of education must:</b>									
107	8	8.3.3.	demonstrate evidence of a willingness to manage the budget in a manner consistent with the provision of the functional responsibilities of academic staff and students, and the implementation of innovations in the program		+				
<b>8.4. Administrative staff and management</b>									
<b>The organization of education must:</b>									
108	9	8.4.1.	have an appropriate administrative staff, including their number and composition according to their qualifications, to ensure the implementation of the EP and related activities; ensure proper management and allocation of resources		+				
<b>The organization of education must:</b>									
109	10	8.4.2.	develop and implement an internal management quality assurance program, including regular reviews and submission by the academic leadership of the EP for regular review to achieve high quality			+			
<b>8.5. Requirements and rules</b>									
<b>The organization of education must:</b>									
110	11	8.5.1.	comply with national legislation regarding the number and types of recognized medical specialties for which approved educational programs are being developed		+				
<b>The organization of education must:</b>									
111	12	8.5.2.	to discuss and approve the postgraduate medical education program in collaboration with all stakeholders		+				
<b>8.6. Informing the public</b>									
<b>The organization of education must:</b>									
112	13	8.6.1.	demonstrate a willingness to publish on the official website of an educational organization and in the media complete and reliable information about EP and its achievements		+				
				<b>Total</b>	0	11	2	0	
				<b>IN TOTAL</b>	0	94	18	0	

**Attachment 2. PROGRAM OF THE VISIT TO THE EDUCATIONAL ORGANIZATION**

**PROGRAM  
THE VISIT OF THE EXTERNAL EXPERT COMMISSION  
INDEPENDENT AGENCY OF ACCREDITATION AND RATING (IAAR)  
TO THE NATIONAL SCIENTIFIC CENTER OF TRAUMATOLOGY AND ORTHOPEDICS NAMED AFTER ACADEMICIAN N.D.  
BATPENOV  
(INTERNATIONAL SPECIALIZED ACCREDITATION)**

**Date of the visit: June 12-13, 2023 (Astana time)**

<b>No.</b>	<b>Educational program</b>
<b>1</b>	<b>7R01126 Physical medicine and rehabilitation adult, children (primary accreditation)</b>

Date and Time	EEC's work with target groups	Position and Surname, first name, patronymic of the target group members	Form of communication
<b>June 11, 2023</b>			
12.00-13.00	EEC Preliminary meeting	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
<b>Day 1: June 12, 2023</b>			
10.00-10.30	Distribution of experts' responsibilities, solving organizational issues	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
10.30 – 11.10	Meeting with the Director of NSCTO named after Academician N.D. Batpenov	<i>Director – Olzhas Bekarissov</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
11.10-11.20	Service break		
11.20-12.00	Встреча с заместителями директора	<p>1. Бәтпен Арман Нурланұлы – заместитель директора по научной работе и стратегии, PhD, <a href="mailto:batpen_a@nscto.kz">batpen_a@nscto.kz</a>, 87029992992</p> <p>2. Баубеков Мейрам Бейсембаевич - заместитель директора по клинической работе, к.м.н., <a href="mailto:baubekov_m@nscto.kz">baubekov_m@nscto.kz</a>, 87015333735</p> <p>3. Шарипов Нурлан Татимбетович - заместитель директора по финансовой и административно-хозяйственной деятельности, <a href="mailto:sharipov_n@nscto.kz">sharipov_n@nscto.kz</a>, 87017746197</p>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765

<b>12.00-12.10</b>	Service break		
<b>12.10-12.50</b>	Meeting with heads of structural divisions of the CO	<ol style="list-style-type: none"> <li>1. Head of the Center for Scientific Applied Research – Dina Saginova, <a href="mailto:saginova_d@nscto.kz">saginova_d@nscto.kz</a>, 87015998758</li> <li>2. Head of the Center for Regional Development and Monitoring - Erzhan Iskakov, <a href="mailto:iskakov_e@nscto.kz">iskakov_e@nscto.kz</a>, 87015216503</li> <li>3. Head of the Department of Human Resources Development - Zhanar Kobeshova, <a href="mailto:kadry@nscto.kz">kadry@nscto.kz</a>, 87019818381</li> <li>4. Head of the organizational and methodological department - Galiya Musina, <a href="mailto:mussina_q@nscto.kz">mussina_q@nscto.kz</a>, 87761534505</li> <li>5. Head of the Department of Innovative Technologies – Lyailya Bekezhanova, <a href="mailto:bekezhanova_1@nscto.kz">bekezhanova_1@nscto.kz</a>, 87015334797</li> <li>6. Head of the Information Support and Administration Group – Arailym Zhumabaeva, <a href="mailto:zhumabayeva_a@nscto.kz">zhumabayeva_a@nscto.kz</a>, 87759450301</li> </ol>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>12.50-13.00</b>	Service break		
<b>13.00-14.00</b>	<i>Lunch (only for EEC)</i>		
<b>14.00-14.10</b>	EEC work	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
<b>14.10-16.00</b>	Visual inspection of the CO	<ol style="list-style-type: none"> <li>1. Admissions department – Nasimov T.A.</li> <li>2. Operating unit – Gurbanova E.I.</li> <li>3. Intensive care unit – Gurbanova E.I.</li> <li>4. Department of radiation diagnostics and CT – Spichak L.V.</li> <li>5. Clinical and biochemical laboratory – Krivosheeva S.V.</li> <li>6. Telemedicine – Bekezhanova L.Z.</li> <li>7. Library, museum – Sarsembinova Zh.N.</li> </ol>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765

<b>16.00-16.50</b>	Meeting with the heads of the EP, the leadership of the Dean's office	<i>Head of the Rehabilitation Department, cand.med.sc. – Galiya Zhanaspayeva</i> <i>Scientific Secretary, cand.med.sc. – Aliya Abdrakhmanova</i> <i>Head of the Department of Postgraduate Education, cand.med.sc. – Alexey Dolgov</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>16.50-17.00</b>	Service break		
<b>17.00-17.50</b>	Meeting with the heads of the EP, heads of departments	<i>Head of the rehabilitation department, cand.med.sc., - Galiya Zhanaspayeva</i> <i>Doctor - rehabilitation specialist of the rehabilitation department - Oksana Dyriv</i> <i>Doctor - rehabilitation specialist of the rehabilitation department - Svetlana Rogozina</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>17.50-18.00</b>	Service break		
<b>18.00-18.50</b>	Meeting with teaching staff of EP	<i>Faculty</i> Attachment No. 1 List of teaching staff	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>18.00-18.50</b>	Survey of teaching staff	<i>Attachment No.2</i>	The link is sent to the teacher's personal e-mail.
<b>18.50-19.20</b>	EEC work. Discussion of the results of the first day	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
<b>Day 2: June 13, 2023</b>			
<b>10.00-10.30</b>	EEC work	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
<b>10.30-12.00</b>	Visiting EP practice clinical bases	View clinical databases and meet with department heads in real time 1. NSCTO named after academician N.D. Batpenov, Ablay Khan ave., 15A. 1.1 Rehabilitation Department 1.2 Traumatology No. 1	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765

		1.3 Orthopedics No. 6 2. Multidisciplinary city Hospital No. 1, Koshkarbayev st., 66 2.1 Rehabilitation Department 3. Multidisciplinary City Children's Hospital No. 2, Koshkarbayev st., 64 3.1 Department of Orthopedics and Rehabilitation 4. RC Adal-Niet, Moskovskaya st., 17	
<b>12.00-12.10</b>	Service break		
<b>12.10-13.00</b>	Working with department documents	<i>The head of the rehabilitation department is Galiya Zhanaspayeva, cand.med.sc.</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>13.00-14.00</b>	<b><i>Lunch (only for EEC members)</i></b>		
<b>14.00-15.30</b>	Work of the EEC, discussion of the results of the second day and parameters, development and discussion of recommendations (recording is kept)	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )
<b>15.30-16.00</b>	Preparation of information by the Chairman based on the results of the external assessment	<i>EEC Chairman</i>	The chairman's individual work
<b>16.00-16.15</b>	Work of the EEC: discussion, decision-making by voting (recording is kept)	<i>IAAR External Experts</i>	Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )

<b>16.15-16.30</b>	Service break			
<b>16.30-17.00</b>	Final meeting of the EEC with the university management	Heads of the NSCTO named after Academician N.D. Batpenov and structural divisions		Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765
<b>17.00-17.30</b>	Work of the EEC, Discussion of the results of the quality assessment	IAAR External Experts		Join Zoom conference <a href="https://us02web.zoom.us/j/3892931765">https://us02web.zoom.us/j/3892931765</a> Conference ID: 389 293 1765 ( <i>only for EEC</i> )

