

**NONCOMERCIAL JOINT STOCK CPMPANY «NATIONAL  
CENTER FOR CHILDREN’S REHABILITATION».  
MININSTRY OF HEALTH OF THE REPUBLIC OF KAZAKHSTAN**

**GUIDE FOR TRAINEES OF ADVANCED TRAINING**



**Astana city, 2025**

### *Mission and Vision of the Center*

**Mission:** To improve the quality of life and health of patients with special needs by integrating best clinical practice, science and education.

**Vision:** To become a leader at the world level, carrying out rehabilitation, scientific and educational activities in accordance with international standards of quality and patient safety, coordinating the activities of rehabilitation organizations in the country.

## **General information about NJSC «National center for children’s rehabilitation» Ministry of Healthcare of the Republic of Kazakhstan**

National center for children’s rehabilitation (further – NCCR), existed since August as a Republican state enterprise on the right of economic management, by Decree of the Government dated May 13, 2008 №451 “On the creation of a joint-stock company “National medical holding” and the allocation of funds from the reserve of the Government of the Republic of Kazakhstan”, and also on the basis of the application of the Ministry of Healthcare of the Republic of Kazakhstan dated July 1, 2008 №10-2/03-8033 and in accordance with the Order of the State property and privatization committee of the Ministry of finance of the Republic of Kazakhstan, was reorganized into the joint-stock company “Republican children's rehabilitation center” with one hundred percent state participation in the authorized capital.

In accordance with the order of the State property and privatization committee of the Ministry of finance of the Republic of Kazakhstan on December 18, 2008, the state block of shares of “Republican children's rehabilitation center” JSC was transferred to “National medical holding” JSC.

National center for children's rehabilitation of the Corporate fund “University medical Center” has been operating since January 01, 2016.

By Decree №25 of January 24, 2022, the National center for children's rehabilitation was established with one hundred percent participation in the authorized capital.

**Legal address:** Republic of Kazakhstan, 010000, Astana city, Esil region, Turan avenue, 36.

JSC “Republican children's rehabilitation center” passed JCI (Joint Commission International) accreditation in June 24, 2014. In August 2017, in February 2021 and February 24, 2024 the Center was reaccredited by JCI, which confirms the full compliance of the provided rehabilitation services with international quality and safety standards.

The purpose of the Center is to reduce child disability in the Republic of Kazakhstan by ensuring the further development, improvement of rehabilitation treatment, medical, social and psychological - pedagogical rehabilitation of children and adolescents with pathology of the nervous, musculoskeletal systems, as well as the introduction and dissemination of modern technologies in the field of medical science, education and practice. The work at the Center is aimed at comprehensive, multimodal correction of motor, psycho-emotional, cognitive, speech disorders leading to social maladjustment of children and adults with neuropsychiatric pathology.

Priority directions in the organization of rehabilitation assistance in center are:

- multimodal, multidisciplinary rehabilitation, including medical rehabilitation, social adaptation, psychological and pedagogical correction;
- improvement of personnel potential;
- scientific - innovative activities;
- creation of a patient-oriented system for providing rehabilitation care within the framework of compulsory health insurance;
- implementation of information system, international quality standards.

The main methods of rehabilitation are: symptomatic applied methods for the formation of motor functions (methods of kinesotherapy and hydrokineotherapy, robotic and functional rehabilitation, mechanotherapy), physiotherapy methods, proprioceptive correction method, "Atlant" suit, methods of biofeedback (BFB) of musculoskeletal, psychoemotional and speech therapy correction, modeling and orthosis, botulinum therapy, symptomatic correction of cognitive and speech disorders (special speech therapy, defectological, psychological methods); adaptation and personality-forming methods: Montessori pedagogy, integration into the learning environment, inclusive education, vocational guidance, adaptive sports, cultural and other organizational group and individual events.

The Center is located in a building with a total area of 38,000 m<sup>2</sup>. Rehabilitation assistance is provided in divisions of 3 Managements:

1. Management of clinical rehabilitation (6 clinical departments, emergency room sector, pharmacy and medicine distribution sector).

2. Management of innovative rehabilitation (department of ergotherapy, department of Botulinum therapy, department of Surdology, department of physical medicine and rehabilitation, laboratory of modeling and orthosis, laboratory of neurophysiology, laboratory of neuromotor location and technical means of rehabilitation, laboratory of robotic rehabilitation).

3. Management of social and pedagogical rehabilitation (department of inclusive education, correctional and methodological department and department of social adaptation). The center has a library with a reading room.

### **Human resource development**

Human resource development:

- Advanced training of healthcare personnel with higher professional education in the following areas: General medicine, Medicine, Nursing, Pediatrics.

- Advanced training of healthcare personnel with secondary vocational education (Medical, Nursing, paramedic, medical masseur);

-Participation in educational and research activities within the framework of concluded memoranda with NJSC "AMU," NU "Nazarbayev University"

## Executive Board

Chairman of the Board - **Azhar Giniyat**

Deputy Chairman of the Board for medical affairs – **Aigul Altynbekova**

Head of management of science and education – **Saltanat Mukasheva**

## Management of science and education

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**Additional education** of specialists in the field of healthcare (hereinafter - additional education) - the learning process carried out in order to meet the educational needs of healthcare personnel in order to maintain, expand, deepen and improve professional knowledge, skills and abilities, as well as master new (additional) competencies.

**Advanced training** – a form of additional education that allows to maintain, expand, deepen and improve previously acquired professional knowledge, skills and abilities, as well as master new (additional) competencies within the main specialty.

**Non-formal education** - a type of education provided by organizations that provide educational services without taking into account the place, timing and form of training with the issuance of a document confirming the results of the training

The process of additional and non-formal education is carried out by organizations of higher and (or) postgraduate education, national and research centers, research institutes, higher medical colleges on the basis of accredited clinical bases, clinics of health education organizations, university hospitals implementing educational programs of additional and (or) non-formal education and have passed institutional accreditation in accreditation bodies entered in the register of recognized accreditation bodies (hereinafter

- organization of education) in accordance with paragraph 6 of Article 221 of the Code “On Public Health and the Health Care System” dated July 7, 2020 № 360-VI MH of RK.

**The purpose of additional education** is to update and deepen theoretical knowledge and improve practical skills in general and individual sections of a medical or pharmaceutical specialty, its related disciplines, in accordance with qualification requirements.

**The objectives of additional personnel education are:**

- meeting the needs of human resources to obtain new and update theoretical knowledge and practical skills in the field of medicine and pharmacy;
- formation, consolidation in practice and accumulation of acquired theoretical knowledge and practical skills;
- introduction in practical health care of new methods of diagnosis and treatment based on scientific evidence.

Advanced training is provided for personnel with higher medical education who have completed internship and (or) clinical residency, and (or) residency, and (or) retraining in their specialty, as well as for personnel with higher pharmaceutical education, including those who have undergone retraining in their specialty.

To improve the qualifications of personnel with secondary vocational (technical and professional) education, the previous level of education is secondary (technical and professional) medical or pharmaceutical education and (or) retraining in the specialty.

Within the framework of non-formal education programs, events are held on scientific and information exchange, seminars, trainings, self-education, training in practice (internship at the workplace).

**Organization of the educational process**

The duration of additional education programs is from 2 credits (60 hours) to 9 credits (270 hours) for advanced training, from 10 (450 hours) to 60 credits (1800 hours) for certification courses. One credit equals 30 academic hours.

**Organization and performance monitoring**

To determine the initial level of knowledge of trainees of additional education programs, a basic, current, final control is carried out during training. The initial control of the progress of course participants is carried out by an oral survey. Monitoring of the progress of course participants includes grades:

- for completing practical tasks
- for completion of the independent work task (IWT)

All types of work provided by the work curriculum must be completed by the trainees before the end of the course.

Milestone and final control of academic performance provides for various types of knowledge control (testing and practical exercises).

### **Training order**

♣ The course of study begins on the first day of training, according to the schedule in accordance with the educational program, approved in the prescribed manner.

Trainees who have not started classes in accordance with the approved deadlines are allowed to attend classes without reimbursement of funds for missed classes

♣ Trainees are allowed to attend the training, after submitting all documents and passing an introductory briefing: on safety and labor protection, fire safety; infection control, hand hygiene; signing of informed consent.

### **GLOSSARY**

Terms and definitions are used in this guide:

Qualification	Degree of professional training or education of a specialist
Handout	Visual illustrative material distributed during the lesson to motivate listeners to successfully master the topic (theses, lectures, links, examples, glossary, tasks for independent work, etc.)
Midterm examination	Verification of training achievements of course participants according to the approved discipline program
Independent work task (IWT)	Work on a certain list of topics assigned by the educator for independent study of trainees provided with educational and methodological literature and recommendations, controlled in the form of tests, control sessions, abstracts, reports
Syllabus	Working curriculum, including goals and objectives of the discipline, summary of the discipline, topics and duration of each lesson, discipline policy, evaluation criteria, milestone control schedules and reference list
Current control	Systematic assessment of the specialist's knowledge on each topic and/or section of this course conducted by the instructor leading the course classes
TMCD	Training and methodological complex of the discipline necessary for the full implementation of the training process in a specific discipline
Trainee	a person enrolled in training at an organization implementing additional education programs