

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

03.03.2022

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE INSTITUTIONAL EVALUATION OF
“SCIENTIFIC CENTER OF PEDIATRICS AND PEDIATRIC SURGERY” JSC
ON COMPLIANCE WITH STANDARDS OF INSTITUTIONAL
ACCREDITATION OF MEDICAL ORGANIZATIONS OF POSTGRADUATE
AND ADDITIONAL AND NON-FORMAL EDUCATION (CONTINUING
PROFESSIONAL DEVELOPMENT)**

external expert evaluation period: February 24-25, 2022

Almaty, 2022

TABLE OF CONTENTS

	List of symbols and abbreviations	2
1.	Composition of the external expert commission	4
2.	General part of the final report	5
2.1.	Presentation of JSC Scientific Center of Pediatrics and Pediatric Surgery	5
2.2.	Information on previous accreditation	7
2.3.	Conclusion on the results of the review of the report on the self-assessment of JSC "Scientific Center for Pediatrics and Pediatric Surgery" for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development) and conclusions	7
3.	Description of the external expert evaluation and conclusion	9
4.	Results of the survey of teachers and students	15
5.	Analysis for compliance with accreditation standards based on the results of an external evaluation of the Scientific Center for Pediatrics and Pediatric Surgery JSC	17
6.	Recommendations for improvement of institutional activity of JSC Scientific Center of Pediatrics and Pediatric Surgery	28
7.	Recommendation to the Accreditation Council	29
	Attachment 1. Institutional quality profile and criteria for external assessment of JSC Scientific Center of Pediatrics and Pediatric Surgery for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development)	
	Attachment 2. List of documents studied as part of the external expert evaluation	
	Attachment 3. Organization Visit programme	

List of symbols and abbreviations

Abbreviation	Designation
JSC "SCP&PS"	Joint Stock Company Scientific Center of Pediatrics and Pediatric Surgery
AMS	Outpatient care
ARCCH	Almaty Regional Children's Clinical Hospital
BD (O)	Basic disciplines (training)
CHD	Congenital heart disease
university	Higher education institution
SAC	State Attestation Commission
SPE on REM	State public enterprise on the right of economic management
SCES	State compulsory standard of education
DSHR	Department of Science and Human Resources
CE	Complementary education
DLT	Distance Learning Technologies
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care
GIT	Gastrointestinal tract
FSA	Final State Attestation
IIT	Induction of immune tolerance
IEP	Resident Individual educational plan
KazMUNO	Kazakh Medical University of Continuing Education
KazNMU	Asfendiyarov Kazakh National Medical University
MSE	Municipal State Enterprise
CDL	Clinical Diagnostic Laboratory
CMI	Control and measuring Instruments
QCCES MES RoK	Quality Control Committee in the field of education and science of the Ministry of Education and Science of the Republic of Kazakhstan
KRMU	Kazakh-Russian Medical University
CED	Catalog of elective disciplines
MoH RoK	Ministry of Health of the Republic of Kazakhstan
MES of RoK	Ministry of Education and Science of the Republic of Kazakhstan
KMU	Karaganda Medical University
RW	Research work
IQAA	Independent Kazakhstan Agency for Quality Assurance in Education
NRCS	National Research Center for Surgery
CPD	Continuing professional development
STP	Scientific and Technical Programme
SCOGP	Scientific Center of Obstetrics, Gynecology and Perinatology
NCIE	National Centre for Independent Examination
RCH	Regional Children's Hospital
EP	Educational programme
OSCE	Objective Structured Clinical Exam
MT	Midterm
PD (G)	Profiling disciplines (training)
CE	Continuing education
PHC	Primary health care
TS	Teaching staff

RSCI	Russian Science Citation Index
WC	Work Curriculum
RHCHD	Republican Health Centre for Health Development
CPR	Cardiopulmonary resuscitation
AS	Ambulance services
SOP	Standard Operating Procedures
IWR	Independent work of the resident
IWS	Student's independent work
IWRT	Resident independent work under the supervision of a teacher
TEP	Typical Educational plan
DHC	Department of Health Care
SC	Ultrasound examination
EMCD	Educational and methodological complex of the discipline
SC	Scientific Council
CDH	Central District Hospital
CBL	Case-Based Training
ECTS	The European Credit Transfer and Accumulation System
GCP	Good Clinical Practice Standard
PBL	Problem-based learning
TBL	Team-Based Learning

1 Composition of the external expert commission

In accordance with ECAQA Order No. _01 dated February 10, 2022, an External Expert Commission (hereinafter referred to as the EEC) was formed to conduct institutional accreditation of JSC "Scientific Center for Pediatrics and Pediatric Surgery" for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development) in the period of February 24-25, as follows:

order №	Status as part of EEC	Full name	Regalia, position, place of work/place of study, course, specialty
1	chairperson	Zhumalina Akmaral Kanashevna	doctor of Medical Sciences, Professor, Head of the Department of Children's Diseases with Neonatology of the NJSC "West Kazakhstan State Medical University named after Marat Ospanov"
2	Foreign Expert	Ubaidullaeva Sevara Abdullaevna	doctor of Medical Sciences, Head of the Quality Control Department of the Tashkent Pediatric Medical University, "Mehr-Sakhovat" Breastplate, Order of the 2nd degree "Salomatlik"
3	Kazakh Academic Expert	Urazova Saltanat Nurgozhayevna	doctor of Medical Sciences, pediatrician of the highest category, Head of the Department of Family Medicine No.3 of "Medical University of Astana" NJSC
4	Employers' representative	Shamsutdinova Alfiya Gumarovna	MD, MSc, BA, Fogarty Fellow, Director of the Children's Medical Center "Helmir Kids", President of the Association of Bioethics and Medical Law, Doctor of the highest category in Public Health
5	Resident Representative	Zikiriya Ernur Abayuly	1st year resident of the Department of Urology and Adult andrology, Pediatric, Academician B.U. Dzharbussynov Scientific Center of Urology

ECAQA observer - Umarova Makpal Aldibekovna, Head of the Accreditation and Monitoring Department.

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

The ECAQA report contains the assessment of JSC Scientific Center of Pediatrics and Pediatric Surgery for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development) (hereinafter referred to as the Accreditation Standards), the recommendations of the ECAQA for further improvement of the activities of the above organization and recommendations for the ECAQA Accreditation Council.

2. General part of the final report

2.1 Presentation of JSC "Scientific Center of Pediatrics and Pediatric Surgery"

Organization name, legal form of ownership, bin	Joint Stock Company Scientific Center of Pediatrics and Pediatric Surgery
---	---

Full name of the chief executive officer	Boranbaeva Riza Zulkarnaevna
Created in	1932
Location and contact details	146 Al-Farabi Avenue, Almaty Phone: (country code, city code, phone number): + 7 727 299 2121
Information on branches, subsidiaries (if any)	no.
Total number of residency educational programmes, separately for additional and non-formal education (if any)	3
Total number of trained residents for 5 years	41 residents
Total number of trainees trained for 5 years	5974
Number of residents by specialty in the current academic year	Since 2019, there has been no admission to the residency, since JSC "SCP&PS" became a part of JSC "KazNMU"
Full-time trainers/ part-time workers	36

The SCP&PS was established in 1932. To date, the SCP&PS is a unique research and treatment institution, as well as an educational base of the country's leading universities. Every year, about 6,000 children from different regions of the country receive specialized and highly specialized assistance at our center. The staff consists of more than 700 employees, including: - 140 doctors, - including 10 doctors of medical sciences, 30 candidates of medical sciences, 14 masters.

The center has 285 beds, where 4 departments of pediatric oncology and hematology, a department of bone marrow transplantation, neonatology with neonatal surgery, a department of general pediatrics, pulmonology, a day hospital, 2 departments of pediatric surgery, a department of urology with surgical andrology, cardiac surgery, interventional cardiology and angiosurgery, a department of functional diagnostics, radiation diagnostics and ultrasound, an endoscopy sector, a clinical diagnostic department, a clinical diagnostic laboratory, an operating unit are deployed. There are also 4 intensive care units for various profiles in the SCP&PS and a highly equipped modern laboratory for apheresis and control of hematopoietic stem cells with a transfusiology department.

Within the framework of grant financing (MoH RoK) the center over the past 5 years carried out 3 scientific projects, the amount allocated for research, made 144866618 million tenge, also our center participates in three international non-interventional multicenter clinical studies.

The teaching staff of the center consists of highly qualified employees who have scientific achievements, high medical qualifications, are experts in health care and medical education, actively cooperating with Kazakhstani and foreign specialists.

The team of teachers consists of 37 doctors, among whom 70% (25) have degrees (8 MD, 13 Candidate of Medical Sciences, 4 Master of Medicine), publications in peer-reviewed journals with high impact factors, are the developers of many clinical protocols of the Republic of Kazakhstan. Four freelance chief specialists of the Ministry of Health of the Republic of Kazakhstan – pediatrician, oncologist and hematologist, pediatric surgeon, pediatric pulmonologist, neonatologist are also part of the teaching staff. Under the guidance of our teachers, 6 doctors, 27 candidates of medical sciences, 4 PhD doctoral students, 7 masters are protected. More than 80% (30) of faculty have the highest qualification category, are members of the editorial boards of the journals such as American Journal of Pediatrics, Archive Euro Medica, Pediatrics and Pediatric Surgery, and Health care of Tajikistan. Also, the teaching staff of the center are holders of high governmental and foreign awards. Three teachers of the center are holders of the order "Kurmet". Among the foreign awards, N.N. Akhparov was awarded

the Order of Alessandra III for his contribution to science, this award was received by only 17 people around the world, the Robert Koch Medal awarded by the European Academy, and he is an honorary professor at the American Cincinnati Children's Hospital Medical Center. The teaching staff of the center have undergone various scientific and practical trainings and internships in the best world centers (Israel, USA, South Korea, Germany, Great Britain, Austria) and continue to cooperate with colleagues from the National Medical Research Center for Pediatric Hematology, Oncology and Immunology (Russia), the Republican Scientific and Practical Center for Pediatric Oncology, Hematology and Immunology (Republic of Belarus), the Scientific Center for Cardiovascular Surgery (Moscow), the Scientific and Practical Medical Center for Pediatric Cardiology and Cardiac Surgery of the Ministry of Health of Ukraine (Kyiv), with specialists in cystic fibrosis of Istanbul (Turkey) and others.

According to the results of the ranking of the National Scientific Center for Health care Development for the 2020-2021 academic year among all research institutes and research centers of the Republic of Kazakhstan (14) implementing the residency programme, the "Scientific Center for Pediatrics and Pediatric Surgery" took the first place and is the only organization corresponding to the rating of 5 stars - a high level of educational activity.

The educational activities of the National Centre for Pediatric Hematology at the level of additional education are represented by a wide range of activities, both on the basis of the centre and with a visit to other organizations, for the personnel of the health care system in pediatric, oncological (pediatric oncology and hematology), surgical profiles, in the profile of intensive care and resuscitation of newborns in educational programmes (EP) of the Centre in the form of advanced training (CE), master classes, seminars, trainings, webinars, training modules, internships in the workplace. Since 2017, 5,974 students have been trained in various cycles of CE and non-formal education. Master classes were held with the participation of foreign specialists from Israel, the Czech Republic, Austria, Spain, Germany, Turkey, Ukraine and Russia. Accreditation for educational activities was passed in 2016: Institutional accreditation of the Independent Kazakhstan Agency for Quality Assurance in Education – IQAA No. IA 08 dated December 26, 2016 (valid for 5 years). Specialized accreditation in the specialties "Pediatrics" and "Pediatric Surgery" of the Independent Kazakhstan Agency for Quality Assurance in Education – IQAA No. SA 008 dated December 26, 2016 (valid for 5 years). In connection with the transition from the RSE on REM to the joint-stock company, the license to engage in educational activities in the field of postgraduate education in the specialties "Pediatrics" and "Pediatric Surgery" was reissued - KZ16LAA00012717 and issued on August 20, 2018. On July 2, 2019, an annex was received to the license for educational activities using the code 7R091 "Health care (medicine) at JSC "SCP&PS".

From 2017 to 2021 in SCP&PS were graduated 41 residents, including 21 in the specialty of "Pediatric Surgery" and 20 in the specialty of "Pediatrics". Since JSC "SCP&PS" became a part of JSC "KazNMU", since 2019 there has been no admission to the residency. But the SCP&PS is the clinical base of KazNMU and the teaching staff of the center trains residents of KazNMU in the specialties "Pediatrics", "Neonatology", "Pulmonology, including paediatric" and "Oncology and Pediatric Hematology". All residents studying in the SCP&PS residency have several publications (88 publications in just 5 years), including in foreign scientific journals, in journals indexed by the RSCI and recommended by COXON of the Ministry of Education and Science of the Republic of Kazakhstan.

The center is equipped with unique medical and educational equipment, modern simulations and simulators, computer classes, comfortable study rooms, conference rooms, broadband Internet, multimedia projectors.

Thus, the SCP&PS has all the material and human resources, the quality of training is ensured by creating values for consumers through educational programmes; qualification of teaching staff, creating conditions for its development; the quality of teaching and organization of the educational process, the equipment of the clinical base; the development of international activities to provide

students with access to international EP and qualifications, the effective use of a network of republican partners to meet the increasing needs of consumers in obtaining knowledge and skills.

Information on previous accreditation

Accreditation for educational activities was passed in 2016: Institutional accreditation of the Independent Kazakhstan Agency for Quality Assurance in Education – IQAA No. IA 08 dated December 26, 2016 (valid for 5 years). Specialized accreditation in the specialties "Pediatrics" and "Pediatric Surgery" of the Independent Kazakhstan Agency for Quality Assurance in Education – IQAA No. SA 008 dated December 26, 2016 (valid for 5 years).

2.3 Conclusion on the results of the review of the report on the self-assessment of JSC "Scientific Center for Pediatrics and Pediatric Surgery" for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development)

The report on the institutional self-assessment of JSC Scientific Center of Pediatrics and Pediatric Surgery (hereinafter – the report) is presented on 167 pages of the main text, the table on 26 pages.

The report is characterized by the completeness of responses to all 9 main accreditation standards and criteria, structuring, taking into account the recommendations of the Guidelines for conducting an institutional self-assessment provided to the organization by the accreditation center - ECAQA, as well as internal unity of information.

A cover letter signed by Riza Zulkarnaevna Boranbayeva, Head of the Education and Science Organization, Chairperson of the Board, Doctor of Medical Sciences, is attached to the report, which confirms the reliability of quantitative information and information included in the self-assessment report.

The report contains a list of 6 members of the internal self-assessment commission, indicating the responsibility of each employee, information about the representative of the organization responsible for conducting the institutional self-assessment:

1. Baigabylova Nazym Serikovna - Deputy Director for Quality Control of Medical Services of the ARCCCH
2. Yeshibekova Zhumagul Rakhimberdievna - Deputy Chief Medical Officer for Medical Affairs
3. Asanova Nazgul Ungarsynovna - Deputy Chief Physician for the Medical Part of the CCCH No.2
4. Karimova Kymbat Maratbekkyzy - Physician of the day hospital of the SCP&PS
5. Rakhimzyanova Alina Sergeevna - Doctor of the Department of Multidisciplinary Pediatrics of the CCCH No.2
6. Kassenov Shalkar Ersayynuly - Surgeon at the Department of Neonatology and Surgery of Neonates of the National Centre for Neonatal Health

The institutional self-assessment of JSC Scientific Center of Pediatrics and Pediatric Surgery was carried out on the basis of the order of the head carried out on the basis of the order No. 296-O dated November 19, 2021 "On approval of the composition of the steering committee".

The report was reviewed by the accreditation expert: A.B. Zhunusova, and the reviews noted strengths and areas for improvement, as well as recommendations for additions and changes, including the following:

Standards	Reviewer (s) Recommendations
1	Actively involve the main stakeholders (students, employers, public organizations, patients, listeners) in the development of the mission, educational programme, final results and document these processes (protocol) (<i>standards 1.4.1, 1.4.2.</i> ,
2	Establish an academic advisory body to plan, discuss, approve educational programmes and other educational and methodological documentation (<i>standards</i>

	2.7.1 , 2.7.2); Include stakeholders' recommendations in the development, writing and approval of educational programmes (<i>standards 2.6.1, 2.6.2</i> , Introduce elements of remote technologies in the learning process (documentation and archiving of results) Introduce into the educational programmes of the residency electives on the scientific foundations and methodology of medical research (<i>standard 2</i>)
3	To bring the methodological documentation in accordance with the requirement of postgraduate and additional education and to ensure its annual updating (<i>standard 3</i>). Regularly analyze and evaluate the quality of the evaluation methods and format used for the validity and reliability of the final learning outcomes (<i>standards 3.1.4, 3.1.6</i>). Introduce modern electronic technologies in the process of evaluating students and residents (documenting and archiving results) and apply a system for monitoring results (<i>standard 3</i>).
4	
5	Expand the list of modules for improving pedagogical skills, taking into account the level of competence of teachers, including on teaching methods and assessment methods (<i>standard 5.4.2</i>). Unify and approve personal educational portfolios of teachers (<i>standard 5.4.3</i>).
6	Expand the access of students and listeners to international web resources of scientific and professional literature (<i>standards 6.1.1, 6.3.1</i>). Simulation class shall be equipped with modern simulation equipment in accordance with educational programmes (<i>standard 6.1.4</i>). Activate academic exchange of residents and teachers, as well as joint projects with other universities with the release of relevant products (publications, publication of textbooks and thesis) (<i>standard 6</i>). Introduce into the educational programmes of the residency electives on the scientific foundations and methodology of medical research (<i>standards 6.6.3</i>)
7	Systematize the methods of evaluation of students and methods of monitoring the results of training (7.2.7., 7.3.1.).
8	Include stakeholders' recommendations in the development, writing and approval of educational programmes (<i>standard 8.5.2</i>); Develop incentive mechanisms or create conditions for resident managers and residents themselves to participate actively in international events (<i>Standard 8</i>).
9	

Thus, in the process of feedback from the representative of the educational organization, experts received answers to the questions that arose and the self-assessment report was amended accordingly and additions were made to the recommendations of the reviewers. The report is presented in the ECAQA in a completed form, with the correction of data on the above recommendations, written in a competent language, the formulations for each standard are clear and understandable and described in accordance with the criteria of standards, tables and contain references in the text and have end-to-end numbering.

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

3. external expert evaluation

External expert work within the framework of the institutional assessment of JSC "Scientific Center for Pediatrics and Pediatric Surgery" was organized in accordance with the Guidelines for the External Evaluation of Education Organizations and Educational Programmes of ECAQA (approved by the order of the Director General of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" No.5 dated February 17, 2017) and in accordance with the programme approved by the Director General of ECAQA Sarsenbayeva S.S. dated February 10, 2022 and agreed with the Chairperson of the Board of JSC "Scientific Center for Pediatrics and Pediatric Surgery" Boranbayeva R.Z.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of accreditation standards.

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

The participation of a foreign expert – Sevara Abdullaevna Ubaidullaeva, Uzbekistan is provided on the zoom platform (video recordings are archived in the accreditation body).

In order to obtain objective information, the members of the EEC used the following methods and their results:

- interview with management and administrative staff – 12 people in total;
- interviews with residents – 4 people;
- website study: <https://pediatria.kz/>;
- interviewing 5 employees, 9 teachers;
- questionnaires of teachers and residents - 33 and 17, respectively;
- observation of residents' training: attendance at 2 practical classes:
 1. Tulebaeva A.B. "Differential diagnostics of hemorrhagic diatheses"
- observation of the training of trainees:

Attendance at the seminar for students on the topic "Diagnosis and treatment of mucopolysaccharidosis", teacher Sharipova M.N.,
- an overview of resources in the context of the implementation of accreditation standards: the departments of the main base of clinical training - JSC "Scientific Center for Pediatrics and Pediatric Surgery" were visited, where, along with the programmes of additional and non-formal education, training in the 2nd educational programmes of the residency in the specialties "Pediatrics" and "Pediatric Surgery" with the participation of 9 full-time teachers is carried out;
- study of educational and methodological documents in the amount of 18 units both before the visit to the organization and during the visit to the units (the list of studied documents is in Attachment 2).

The staff of the accredited organization ensures the presence of all persons indicated in the visiting programme and according to the lists of interviews and interviews (Table 1).

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

№	Full name	Job Title
1	R.Z. Boranbaeva	doctor of Medical Sciences, Chairperson of the Board
2	Manzhuova L.N.	candidate of Medical Sciences, Deputy Director for Scientific, Clinical and Innovative Activities
3	Tashenov M.B.	deputy for Strategic Development and Economics
4	G.K. Abdilova	candidate of Medical Sciences, Head of Pediatric Unit
5	K.E. Khairov	candidate of Medical Sciences Head of Surgery Unit
6	Bazarbayeva A.A.	candidate of Medical Sciences, Head of Science and Education
7	Khairov K.E.	candidate of Medical Sciences Head of Surgery Unit
8	Bazarbayeva A.A.	head of Science and Education

9	Shakhmetova K.S.	Academic Secretary
10	Omarova K.O.	professor
11	M.N. Sharipova	doctor of Medical Sciences, Head of the Sector of Patent-Information and Evidence-Based Medicine
12	Sargelov Sh.	head of the Department of Radiation Diagnostics
13	G.Z. Batyrkhanova,	laboratory specialist (teacher)
14	A.A. Baigutiyeva	head of the Department of Neonatology and Neonatal Surgery
15	Kuanyshbayeva A.	specialist
16	M.G. Bulegenova	doctor of Medical Sciences, Professor, Head of the CDL (member of the TS).,
17	Zhumatai S.	resident of the 1st year of study
18	A.F. Makhneva	specialist (teacher)
19	Urazalieva N.T.	specialist (teacher)
20	Marshalkina T.V.	member of faculty, (chief freelance pulmonologist of the Republic of Kazakhstan)
21	Kalabaeva M.M.	head of the Department of Surgery No.1, member of the teaching staff
22	Karazhanova M.	laboratory Specialist
23	A.T. Kabiev	human Resources Department
24	Troshkina T.N.	head of Internal Audit
25	Slobodeniuk E.B.	head of the Department of Clinical Audit, Management and Quality
26	Zhanuzakova N.T.	head of the Department of Pulmonology
27	Shilanbaev N.R.	head of Department
28	Sadykov D.	CCCIH doctor
29	Ramazanova K.	M&CC doctor
30	Park A.	ARCCH
31	Iminjinov R	CCCIH
32	K.M. Akhtarov	doctor pediatric surgeon
33	G.A. Nurzhanova	head of the Department of Oncology and Hematology No.2
34	Erzhanova G.E.	head of the Department of General Pediatrics
35	Zhienkulova G.O.	doctor oncologist-haematologist
36	Kim O.A.	physician
37	Umekova G.A.	pediatrician
38	Alibaeva G.E.	pediatrician
39	M.R. Kurbanova	residency graduate
40	Ashirbay K.	residency graduate
41	Bayaldieva Z.	residency graduate
42	A. Kempirbay	1st year resident in the specialty "Oncology and Hematology for Children"
43	Sailauov A.	residents 1 year of study
44	Satanova G.	residents 1 year of study
45	Nurtleuova A	resident of the 2nd year of study
46	Kakharova N	resident of the 2nd year in the specialty "Pediatric Oncology and Hematology" in the Pharmacology Department
47	G.Kh. Myshanova	resident of the 2nd year in the specialty "Pediatric Oncology and Hematology" in the Pharmacology Department
48	Kunanbaeva G.	resident of the 2nd in the specialty "Pediatrics"
49	Bekbatyrova D.	residents 2 years of study
50	Sh. Kasenov	resident 2 years of study

51	Bekbatyrova D.	resident of the 2nd year of study
52	A. Dastanov	resident of the 2nd year of study

Thus, when implementing the activities of the programme, namely, based on the results of the interview with the first head of the organization, members of the Academic Council, in interviews with residents/students and teachers, compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the organization, took part in the formation of proposals for the formulation of the mission, while the mission was brought to the attention of potential residents through the website, social networks, information letters to medical organizations. The strategic plan of the organization for the period of 5 years was reviewed, including such areas as educational, research, clinical, which confirms the implementation of the accreditation standard and demonstrates the goals, objectives and prospects of the organization. From interviews with residents, it was established that before the beginning of classes, teachers inform about the mission, work plans of the organization of education, tell where to get the necessary information about the educational programme, teachers, training bases. This demonstrates compliance with **Standard 2** in adapting training to the needs and wishes of individual CPD residents and trainees.

The organization's documents contain work programmes, EMCD, which define the goal, take into account the integration of practical and theoretical components, independent work. Compliance with the SCES and standard requirements has been established. Attending a practical lesson with residents on the topic "*Differential diagnosis of hemorrhagic diatheses*" (2 hours) and a seminar for students on the topic "*Diagnosis and treatment of mucopolysaccharidosis*" (2 hours), teacher Sharipova M.N., experts received convincing data that the training is carried out according to the plan, before the beginning of the lesson, residents and students respond to tests, receive feedback from the teacher, have the opportunity to improve the skill of diagnosing orphan diseases in children, the ability to conduct differential diagnostics. The organization ensures compliance with ethical aspects in the implementation of educational programmes, since experts studied the Code of Honor for teaching staff and employees of the National Centre for Pedagogical Culture engaged in educational activities (Protocol 3 No. SC 25.07.2019), the Code of Academic Integrity of a Student of the National Centre for Pedagogical Culture JSC (Protocol 3 No. SC 25.07.2019), and during the interview, the residents replied that they were informed about the content of these documents.

Experts saw the organization contributing to the development of the practical competencies of health professionals. At the same time, residents deepen their theoretical knowledge, develop communication skills.

The analysis of educational activities showed that the scientific basis and all the achievements of science in advisory disciplines are taken into account, additions are made to the bibliography of the EMCD and syllabuses, and teachers apply them in classes.

A review of the monitoring and measurement tools (100 tests, 40 situational tasks, 25 checklists, 20 examination cards) showed that the organization has implemented an appropriate evaluation policy that allows for a multifaceted assessment of the learning achievements of residents. During the interview, the residents spoke about the forms of assessment, such as checklists, tests and tasks, examination tickets and that they are satisfied with everything and receive regular feedback from teachers. The system of appealing the results of the assessment is reflected in the provision on interim and final certification and during the period of work of the organization of education there were no precedents for half of the delivery of the appeal by the residents. Thus, compliance with **standard 3 has been established.**

During the visit to the organization and during the interview with the head of science and education Bazarbayeva A.A., the commission made sure that there is a documentation system that is transparent and accessible to all teachers and employees, and includes such documents as annual operating plans, annual reports, regulations of divisions, contracts with teachers and residents and educational and methodological documentation (work programme, work curricula, syllabuses, journals), evaluation tools (checklists, sheets), certificates and certificates. A review of the website

showed that its pages contain documents necessary for residents and students: a syllabus, samples of tests, tasks, tickets, recommended literature, a schedule of practical classes, thematic plans of seminars and information about upcoming events in the organization, which is regularly updated. This information was obtained during the interview with A.A. Bazarbayeva. In addition, A.A. Bazarbayeva presented an overview demonstration about JSC "SCP&PS", demonstrated the achievements of the organization as a whole, problems and outlined prospects for development in the educational area, including measures for the development of residency programmes and programmes for students in the strategic plan, statistics of student recruitment in dynamics over the years, including on residency programmes for the past years. This interview and documentation study allowed the experts to validate the data of the report according **to the standard 5, 7.**

The conversation with the Chairperson of the Board Dr. med. R.Z. Boranbayeva included such issues as the involvement of teachers and students in the work of the methodological commission, the involvement of employers and all interested persons in the formation of proposals for components for the selection of programmes, the complexity and prospects for the development of the educational and scientific process in JSC "SCP&PS" and allowed experts to learn about approaches to the involvement of employees of clinical bases for teaching (9 teachers), about the strategy and tactics of recruitment of residents\students, the information security of additional and non-formal education, as well as to identify problems in the management and development of human resources. The vision and key measures for the implementation of the development strategy, the integration of clinical, scientific and educational activities were announced, the experts also reviewed the strategic plan for 5 years, some financial documents, the annual plan for 2021 and reports for 2020, interviewed employees of the personnel department and the financial and economic sector, which allowed to validate the **accreditation standards 8 and 9.**

During visits to clinical bases, where experts conducted a survey of resources, their compliance with training programmes, accessibility for teachers and residents, as far as this equipment is modern and meets the needs of students and practical health care. Experts have obtained evidence of compliance with Standard 6, as well as validation of the self-assessment report information.

Interviews with 9 teachers, including 7 full-time teachers, showed that there are both successes and problems in educational management, depending on the specific base (admission of residents to the equipment, sufficient number of thematic patients, time for maintaining medical records, independent work). Experts received answers about the programme of professional development of teachers, financing of this training, availability at teachers of certification on methods of teaching.

On the same day, experts studied materials on the admission of residents and the selection of teachers and established compliance with standard 4.

In order to validate the implementation of the self-assessment report and to obtain evidence on the quality of the programmes, interviews were conducted with residents in the specialty. Experts asked questions about satisfaction with the training, the sufficiency of time for practical training, patient supervision and work with medical documentation, as well as satisfaction with teaching methods and teachers' qualifications.

Conclusions: In general, it should be noted that the residents came purposefully to JSC "SCP&PS" and the students chose to receive training on the calendar thematic plan of JSC "SCP&PS" also of their choice, since they believe that this organization has an excellent clinical base, experienced and leading specialists - teachers. Residents and trainees are satisfied with the learning and assessment methods and use the knowledge gained and share information with their colleagues even after graduation. Residents believe that after receiving a good education they will be able to work independently after graduation. It should be noted that the students were active in answering questions from external experts, such as organizing training, assessing their skills, consulting support, opportunities to participate in research, funding, etc.).

Interviews with 3 employers/representatives of practice and business were conducted online and included such questions as: satisfaction with the competencies of pediatricians, pediatric surgeons in medical organizations acquired in the residency, participation of employers in the discussion of

educational programmes, the degree of familiarity with the mission of JSC "SCP&PS" showed that the organizations of practical health care, where graduates of the residency work on the basis of the SCP&PS are generally satisfied with the level of theoretical and practical training of employees, also confirmed participation in the discussion of educational programmes, members of the EEC received confirmation of awareness of the SCP&PS and EP missions of employees of practical health care organizations.

The review of resources showed that they correspond to the goals and objectives of educational activities, for example, the clinical departments of JSC "SCP&PS" were visited: consultative and diagnostic (head of the department Bazarov A.Z.), clinical and diagnostic laboratory (head of the department Bulegenov M.G.), laboratories of apheresis and control of GSK with the department of clinical transfusionology (head of the department Umbetov K.O.), admission department (head of the department Absatov A.M.), radiological diagnostics (head of the department Sargelov S.SH.), functional diagnostics and physiotherapy (head of the department Nurlanov E.M.), pediatric oncology and hematology No.1 (head of the department Pankova O.S.), pediatric oncology and hematology No.2 (head of the department Nurzhanov G.A.), pediatric oncology and hematology No.3 (head of the department Bulabayev G.E.), pediatric oncology and hematology No.4 (head of the department Zhailaubayeva a.s.), hematopoietic stem cell transplantation (head of the department Tulebaeva A.B.), day hospital (head of the department Kiyalbekova Zh.A.), general pediatrics (head of the department Yerzhanova G.E.), pulmonology (Zhanuzakova N.T.), urology (head of the department Abekenov B.D.), head of the department of surgery No.1 (head of the department Kalabayeva M.M.), surgery No.2 (head of the department Zhumadullaev B.M.), neonatology and surgery of newborns (head of the department Bayguttiev A.A.), cardiac surgery and interventional cardiology and angiosurgery (head of the department Berdibekov A.B.), ICU of newborns (head of the department Uretemov K.K.), ICU of older children (head of the department Alimkhanov G.N.), ICU of cardiac surgery (head of the department Nalibaev A.Sh.), ICU for patients with oncology profile/Hematology (Head of Department D.N. Kusainov), Department of Drug Provision (Head of Department G.K. Myshanova), Epidemiology Sector (Head of Department Zh.K. Tynysbekova), Organizational and Methodological Department and Medical Statistics (Head of Department S.G. Anokhin)

Employees of the educational organization ensure collegial and ethical relations with medical staff, the management of the clinical base to achieve the final results by residents.

On the last day of the visit to the organization, a meeting of EEC members was held on the results of the external evaluation. The final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of the interview, questionnaires was held. EEC members started designing the final EEC report. The results of the external evaluation are summarized. The experts individually completed the "Quality Profile and Criteria for External Evaluation of JSC "Scientific Center of Pediatrics and Pediatric Surgery" for compliance with the Standards of Institutional Accreditation of Medical Organizations of Postgraduate and Additional and Non-Formal Education (Continuing professional Development) of the ECAQA. No comments were made by the EEC members. Recommendations for improvement for the organization of education were discussed, and Chairperson A.K. Zhumalina held a final open vote on the recommendations for the ECAQA Accreditation Council on the accreditation period – 5 years.

For the work of the EEC, comfortable conditions were created, access to all the necessary information and material resources was organized. The Commission notes the high level of corporate culture of JSC "Scientific Center of Pediatrics and Pediatric Surgery", a high degree of openness of the team in providing information to the members of the EEC.

At the end of the programme of the visit, the chairperson of the EEC for the management and employees of the organization of education announced recommendations on the results of an external assessment within the framework of specialized accreditation.

Conclusion: within the framework of the visit and external evaluation of JSC "Scientific Center for Pediatrics and Pediatric Surgery", for compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing

professional development) of ECAQA. The EEC members studied and evaluated the main performance indicators of the organization. The information obtained during visits to the units of the KRMU and clinical bases, during meetings with the management, employees of the units, study of documentation, during questionnaires of residents and teachers, is compared with the data of the self-assessment report, which made it possible to verify the reliability and validation of the information provided.

Thus, the external evaluation and the visit of the members of the EEC allowed to verify and validate the data of the report on the institutional self-assessment of JSC "Scientific Center for Pediatrics and Pediatric Surgery" in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external evaluation of the medical organization of education of the ECAQA.

The clinic, where residents and trainees are trained, is the main institution of the Republic's paediatric service, coordinates and monitors the country's paediatric oncology and hematology service, and is one of the Republic's centres where children receive specialized and high-tech medical care from birth to adulthood, which makes it possible to create conditions for a high quality of training for residents and trainees.

4. Results of the survey.

The ECAQA observer conducted an online questionnaire on February 17, 2022 at <https://webanketa.com/>.

The resident survey includes 22 questions.

In total 33 people (all residents for the current year) answered. Residents of the 2nd year dominated – 60.61%. According to the results of the questionnaires, the subjective opinions of the listeners participating in the survey were interpreted.

Absolutely all students studying in JSC "SCP&PS", emphasized (100%) that this organization of education allows to acquire necessary knowledge and skills in the chosen specialty, 72,73% of respondents declared full readiness to recommend JSC "SCP&PS" as the organization of additional education, 21,21% partially agree to make it.

81.8% fully and 6.06% partially agree that teachers and programme managers are aware of the learners' learning challenges, which indicates a high level of trust and interaction within the organization. 90.9% of respondents noted that they constantly involve students in the work of advisory bodies (methodological council, scientific council, committees of educational programmes), constantly after the completion of classes teachers conduct feedback with students, which confirms the implementation of standard 2.

Completely satisfied with the organization of teaching (the amount of time for practical training, the place of seminars, the topics of seminars) and methods of assessing knowledge – 86.3% of respondents, 78.7% of residents are fully satisfied with the schedule of classes, just as noted access to equipment (educational and real) in order to master practical skills in the specialty, while fully satisfied with the conditions and equipment of study rooms, classrooms of this organization of education – 66.67%; library fund – 66.7%; fully provided with the necessary educational literature, methodological and didactic materials, additional literature – 78.8%; 81.8% of respondents noted that teachers in the classes regularly apply active and interactive methods of teaching, most residents 75.8% indicated that seminars are held at a frequency of 1 time per week, all this indirectly confirms the implementation of standards 3 and 6.

As for the clinical component in the training of residents, 75.8% of residents rate the organization of clinical training as "excellent", consider the number of patients to be sufficient for curating or assisting in operations, as many respondents consider the curator and clinical mentor of JSC "SCP&PS" an example for themselves as a professional doctor and a person in general, which confirms the high image and authority of employees, which undoubtedly reflects the quality of educational services,

81.8% of residents are involved in research and development under the guidance of their teacher or mentor, half of them is actively engaged in scientific work, the same – at the planning stage.

72.7% of students agree that it is necessary to accredit educational institutions or educational programmes, while the most important tool of external expert assessment, which allows to draw conclusions about the quality of educational programmes, respondents consider: interview with faculty (60.6%) and interview with mentors of residents (48.5%).

Thus, the vast majority of students are satisfied with the training on the basis of JSC "SCP&PS" and believe that they will be able to fully acquire the necessary competencies for further work in the specialty. The participants assessed the image and authority of JSC "SCP&PS" as an organization providing high-quality educational services.

The survey of teachers included 23 questions of the questionnaire. In total 17 people (in total in the state 9) answered, thus pedagogical experience till 5 years – at 29,4%, till 10 years – 41,2%, more than 10 years – 29,4%.

First of all, the teachers shared their views on the organizational climate within JSC "SCP&PS". 94.1% of respondents agree that the organization fully observes ethics and subordination in relations between colleagues, teachers and management, and absolutely all teachers are completely satisfied with the organization of work and the workplace, the opportunity for career growth and development of teacher's competencies, the opportunity to realize as a professional in a specialty, the opportunity to engage in scientific work and publish the results of research. 70.6% indicated that the heads of the organization systematically listen to the opinion of the teaching staff regarding the issues of the educational process, research, clinical work.

Absolutely all teachers are confident that there is enough equipment and resources in the organization to train residents according to the accredited programmes, students have free access to patients on clinical bases and all conditions for improving their practical skills, 94.2% of teachers are satisfied with the organization of the educational process in this educational institution, 76.4% of faculty are satisfied with the work of the department of postgraduate education.

With regard to the process of teaching trainees, the most popular teaching methods were identified (Figure 1).

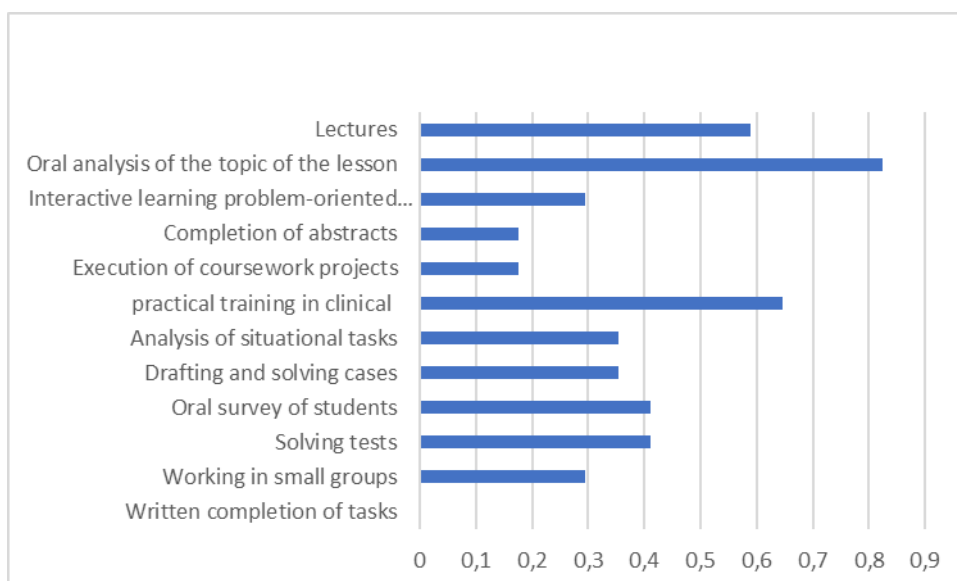


Figure 1. Results of a survey of trainers on the methods used to train trainees.

As presented in the diagram, the most commonly used type of training by teachers is oral analysis of the topic, practical training on clinical skills in the TCC and analysis of situational tasks. Practical exercises, lectures, oral questioning of students, solution of tests are also often used.

Interactive learning, problem-based learning, small group learning, written assignments, project and coursework are much less commonly used.

During the classes, it is very important for teachers to have, first of all, cases (82.35%), educational journals, EMCD (70.6%) and control and measuring tools, syllabuses (41.18%) (Figure 2).

70.6% of all teaching staff participate in the development of methodological materials for the residency programme, 29.4% of teachers conduct seminar classes once a week, 23.5% - 2-3 times a week, the remaining 11.8% - daily and 1-2 times a month. The questionnaire assessed the level of preparation of students before the beginning of the residency, which either fully – 29.5%, or partially – 64.7% satisfies the teaching staff.

However, problem areas were also identified. Only 47.06% of faculty members are satisfied with the salary as an employee involved in the educational process in the residency; the organization supported participation in conferences (international, republican) with payment of all expenses only 35.3% of faculty members; only 29.4% of faculty members are aware of social support programmes for teachers. In these areas, the administration of JSC "SCP&PS" should strengthen its work.

76.8% of teachers who participated in the survey fully agree that this questionnaire is useful for developing recommendations for improving the key areas of activity of JSC "SCP&PS", and the accreditation of educational programmes is an important and effective mechanism for ensuring the quality of postgraduate education.

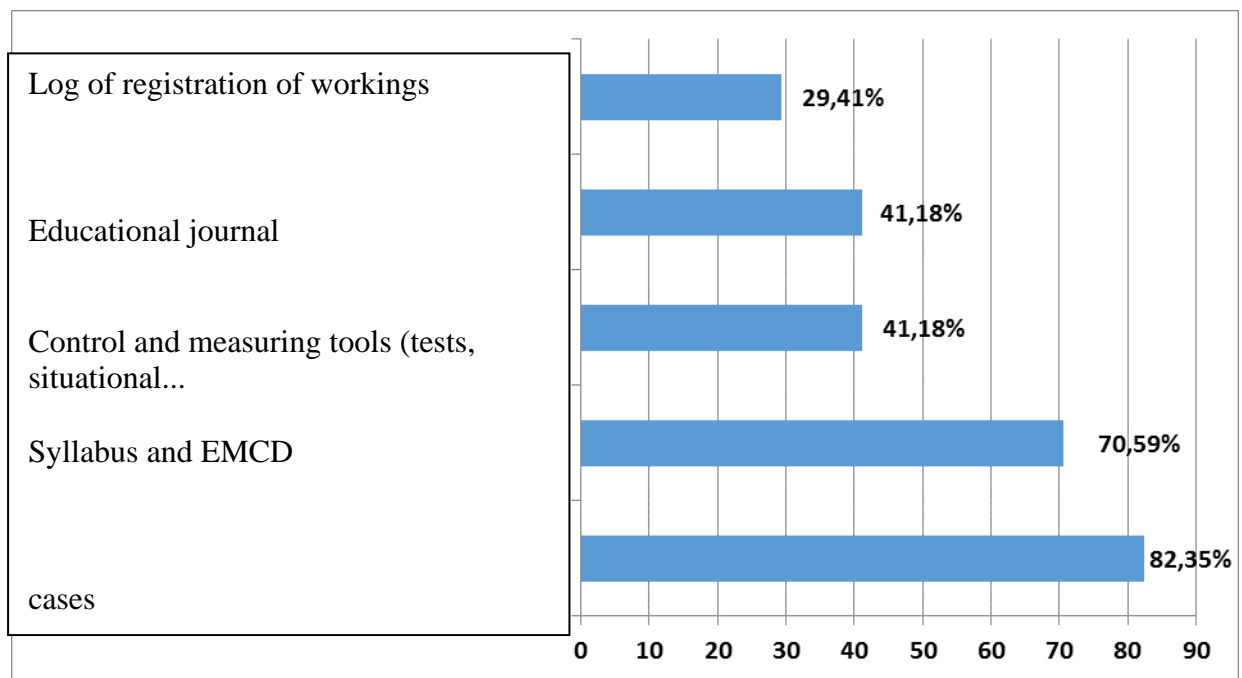


Figure 2. Results of the teachers' survey on the teaching materials used

Thus, the survey of teachers showed a good level of microclimate in the team, the activities of the administration in the direction of improving and improving the working conditions of teaching staff, a sufficient level of resources and excellent organization of the process of training students in JSC "SCP&PS".

5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the “Scientific Center for Pediatrics and Pediatric Surgery” JSC

Standard 1: MISSION AND OUTCOMES

Evidence of compliance:

1.1 Mission

SCP&PS is an educational base and a unique research, medical institution, who defined their mission, vision and strategic goal. And the updated version of the SCP&PS mission is reflected in the Strategic Plan of the SCP&PS for 2019-2023, approved by the minutes of the meeting of the Board of Directors No. 2 of May 31, 2019, and the information about the mission is confirmed through the organization's website. The mission of the organization is developed taking into account the analysis of the current situation in the field of health care of the Republic of Kazakhstan, as well as the situation of the CPD.

1.2 Professionalism and professional autonomy

Training in the programmes of the PAE and additional education is carried out on the largest multilevel, technically equipped clinical base of the republic, with strong personnel, which contributes to the fulfillment of the set mission, while guarantees for students about the conditions of study and work are determined to support their own health.

1.3 Learning outcomes

On the first day of work, the SCP&PS conducts briefings with residents and students on the code of business ethics of a medical worker and the rules of conduct in the staff of a medical institution. Compliance with the Code is under the control of the resident's supervisor and mentors. The list of practical skills presented in the EP, their number and the level of performance of competencies corresponds to the one recommended for the SCES 2020. The EP provides for the formation of knowledge and practical skills for the provision of specialized care for various pathologies in children at all levels of medical care, while the supervision of patients is carried out under the supervision of a mentor, and duty under the control of the doctor on duty. There are obligations to JSC SCP&PS to ensure the health and safety of residents during their training. In accordance with these obligations, all responsibility for the damage caused to the health or life of residents and students in clinics rests with the JSC SCP&PS. Accordingly, before starting work, residents are instructed on safety and the duration of work of residents in the clinic is observed.

1.4 Participation in the formulation of the mission and final results

In order to realize the Mission and Vision of the SCP&PS, strategic directions for development have been defined. It also reflects the regular work to involve representatives of stakeholder groups, including listeners, residents, teaching staff and employers in the formation of the mission, vision, strategy.

The mission of the organization is interrelated with the final results of training, since one of the elements of monitoring the quality of training is the mandatory assessment of the knowledge of residents and trainees who have undergone training. The final results of the training are reflected in the work curricula.

Conclusions of the EEC on the criteria. Compliant with 14 standards: fully - 13, partially - 1, non-compliant – 0.

Standard 1: completed.

Recommendations for improvement identified during the external visit:

1. Actively involve the main stakeholders (students, employers, public organizations, patients, listeners) in the development of the mission, educational programme, final results and document these processes (protocol).

Standard 2: EDUCATIONAL PROGRAMME

Evidence of compliance:

2.1 Model of educational programmes

For this standard, materials were provided by a link in a Google disk. In addition, upon additional request, the required documents were provided. Information was also obtained during interviews and visits to the clinic.

Residency programmes are implemented in accordance with the State mandatory standards and standard professional training programmes in medical and pharmaceutical specialties dated July 31, 2015 (as amended by the Order of the Ministry of Health of the Republic of Kazakhstan dated February 21, 2020 No. KR DSM-12/2020 for 2 years. The structure, content and duration of the programme are clearly defined. The programmes were developed by the Center's employees in the relevant disciplines and approved by the Academic Council. Documentary evidence of the discussion of EP with stakeholders: representatives of students and employers were not presented, it was said only in oral format. In addition, the discussion of the EP passes only one stage - writing, and then approval at the Academic Council.

The implementation of CPD programmes is carried out in accordance with the working curriculum. The organization conducts refresher courses in the following specialties: "Pediatrics", "Pediatric Surgery", "Neonatology", "Oncology and Pediatric Hematology" according to the nomenclature of medical and pharmaceutical specialties.

Educational programmes are aimed at the final results – the acquisition of appropriate competencies that are prescribed and practice-oriented. It is noteworthy that the organization provides a variety and individual approach to the content of supplementary medical education activities to allow doctors to develop their practice. To this end, the individual scope of activity, goals and priorities are determined during the questionnaire and conversation with the trainees.

In teaching, the traditional approach is used - questioning, testing, lectures, working near the patient's bed, solving situational problems. From interactive technologies, discussions, work in a simulation center are used. The use of other techniques - PBL, TBL, CBL - was stated, but no confirmation was received. The last training in pedagogical competencies was held in 2017, which requires advanced training in educational activities, especially for mentors.

2.2 Scientific method

Each EP includes training from the standpoint of evidence-based medicine, management of scientific research and public health, training in the search for reliable and high-quality information, the ability to differentiate it in terms of value and effectively use it in clinical practice and research work. All clinical departments of the SCP&PS work according to the clinical protocols of the Ministry of Health of the Republic of Kazakhstan, based on evidence-based medicine.

Different methods of teaching and learning are used for further medical education in refresher courses. When training a specialist, it is mandatory to train him/her to analyze his/her activities and write articles.

Scientific research as a mandatory component of training is implemented in the form of integration of educational, practical and research processes, with the result in the form of publications of scientific works, speeches at conferences of various levels. All residents studying in the SCP&PS residency have several publications, including in foreign scientific journals, in journals indexed by the RSCI and recommended by QCCES of the Ministry of Education and Science of the Republic of Kazakhstan.

2.3 Content of supplementary and non-formal education programmes and their relationship to health care

SCP&PS conducts residency training in the specialties of "Pediatrics" and "Pediatric Surgery". Since 2021, a specialty "Oncology and Pediatric Hematology" was prepared.

and provides as final results of training of residents - providing training of the qualified, competitive personnel meeting modern requirements to quality of doctors of specialists for independent work in a specialty. Residents and teachers are informed about the necessary competencies that both students and teachers acquire.

Implementation of continuing professional education continued to improve the professional level of practitioners. Advanced training of medical personnel is carried out in the specialties, according to the Nomenclature of Medical and Pharmaceutical Specialties, on the approval of Model Programmes for Advanced Training and Retraining of Medical and Pharmaceutical Personnel (changes as of October 11, 2018), Order of the Ministry of Health of the Republic of Kazakhstan dated April 14, 2017 No.165, registered with the Ministry of Justice of the Republic of Kazakhstan on May 25, 2017 No.15167

The Deputy Chairperson of the Management Board for Scientific, Clinical and Innovative Activities is responsible for the educational activities of the SCP&PS.

Accredited multidisciplinary medical and scientific centers of the city of Almaty, corresponding to the specialties, disciplines and levels of educational programmes, are the clinical bases for studying in the residency.

Field cycles to the regions of the Republic of Kazakhstan within the framework of additional/non-formal education are carried out in multidisciplinary clinics at the regional or republican levels.

EPs are discussed and approved at the meetings of the Scientific Council of the SCP&PS.

SCP&PS has a certificate of accreditation No. KZ00VEG00009592 dated December 18, 2019, certifying the compliance of SCP&PS activities with the accreditation standards in the field of health care of the Republic of Kazakhstan.

Methods of teaching and learning correspond to the content and final results of training, promote active learning and personal participation of residents in the provision of medical care.

Before starting work, students are introduced to the Code of the Republic of Kazakhstan dated 07.07.2020 N360-VI "On public health and the health care system", Chapter 12 "Rights and obligations of persons in the field of health care".

The professional competence of students with the development of the skills of an expert, manager, researcher, teacher is carried out through the formation of the following components: cognitive (knowledge), operational (skills), axiological (communication skills), legal and the need for continuous learning.

Patient-oriented training contributes to the development of communication skills, the formation of the competence of a "health advocate".

All data were confirmed in interviews with residents.

Conclusions of the EEC on the criteria. Compliant with 33 standards: fully - 31, partially – 2.

Standard 2: Implemented

Recommendations for improvement identified during the external visit:

1. To strengthen educational and methodological work:
 - to create an academic advisory body for planning, discussion, approval of educational programmes and other educational and methodological documentation;
 - include stakeholders' recommendations in the development, writing and approval of educational programmes.
2. Introduce elements of remote technologies in the process of training students and residents (documentation and archiving of results).

Standard 3: ASSESSMENT AND DOCUMENTATION

Evidence of compliance:

3.1 Methods of evaluation

Assessment of educational achievements is carried out in accordance with the policy, regulatory and internal documents: Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III (with amendments and additions as of 07.07.2020); "On approval of the rules for assessing the knowledge and skills of students, assessing the professional training of graduates of educational programmes in the field of health care and specialists in the field of health care" Order of the Republic of Kazakhstan dated December 11, 2020 No. KR DSM-249/2020; chapter 27 of the Academic Policy of the EP of SCP&PS; Regulation of the SCP&PS on conducting current monitoring of the performance, intermediate and final certification of students.

The system for monitoring the educational achievements of residents in JSC "SCP&PS" includes: current and milestone performance monitoring, intermediate and final state certification. The assessment of practical skills is carried out with the help of the following documents: a scorecard of a clinical situational task, a scorecard of professional skills of a resident trainee at a mini-clinical exam, journals of performance and attendance, portfolio design.

In order to ensure the transparency of the examination procedure, the examination is videotaped. Citizens are admitted to the residency on a competitive basis, which is carried out separately among persons applying for target seats. Normative documents of the rules of admission to the residency do not restrict the rights of low-income families and national minorities. Persons with disabilities have not been trained in JSC SCP&PS in the past 5 years.

Assessment of knowledge on the basis of a point-rating system, taking into account all forms of activity – scientific, educational, etc. – ensures the validity of the procedure for admission of residents and guarantees the availability of the necessary basic knowledge of applicants.

After the examinations, the residents are questioned to study their opinion on the quality of the discipline teaching, the examination procedure and the learning outcomes.

Based on the results of the interim and final certification, the Academic Policy of the SCP&PS determines the procedure for filing an appeal by dissenting students with the result of knowledge control.

3.2 Documentation of supplementary and non-formal education

The documentation of the department of postgraduate education is maintained in accordance with the Nomenclature of Affairs of the department, which takes into account all the necessary reporting and accounting documentation of the department to systematize the introduction, receipt, adjustment and archiving of the necessary information on the educational process of the SCP&PS.

Certificates of postgraduate education (Certificate of Completion of Residency) are issued by the state (obtained from the banknote factory of the Republic of Kazakhstan). Graduates of the residency in 2021, according to the Order of the Ministry of Health of the Republic of Kazakhstan No.647 (as amended on 21.02.2020 No. KR DSM-12/2020), were awarded the qualifications of a pediatrician and a pediatric surgeon.

Certificates and certificates for additional/non-formal education are issued according to the brand book approved at the meeting of the Scientific Council of the National Centre for Pedagogical Studies No.2 dated March 11, 2021.

For each cycle of additional and non-formal education, a programme portfolio is created, which includes a list of students with their personal data, as well as copies of the basic documents of students. EMC educational programmes are stored in the department of science and education, as well as posted on the website of the SCP&PS.

The actual training of residents is guaranteed by the registers of academic performance and attendance of residents, a timesheet is drawn up on a monthly basis, which is signed by the head of the group, the head of the department of science and education, the chief economist, the head of personnel work and language policy, the deputy chairperson of the Management Board for scientific, clinical and innovative activities and the Chairperson of the Management Board.

All data were confirmed in interviews with listeners.

The conclusions of the EEC meet the criteria of 15 standards: fully -13, partially - 2.

Standard 3: Implemented

Recommendations for improvement identified during the external visit:

1. Regularly review and assess the quality of the assessment methods and format used for the validity and reliability of the final learning outcomes.
2. To bring the methodological documentation of postgraduate and additional education in accordance with the requirement and to ensure its annual updating
3. Introduce modern electronic technologies in the process of evaluating students and residents (documenting and archiving results).

Standard 4: THE HEALTHCARE PROFESSIONALS

Evidence of compliance:

4.1 Motivation

Admission to the residency is carried out in accordance with the Order of the Ministry of Education

and Science of the Republic of Kazakhstan "On Approval of the Standard Rules for Admission to Education Organizations Implementing Educational Programmes of Higher and Postgraduate Education" dated October 31, 2018 No.600, State Educational Standard of the Republic of Kazakhstan – 2015, 2017,2019 and the Academic Policy of the National Centre for Pedagogical Studies.

The SCP&PS conducts an annual review of educational programmes, the content of work curricula, work curricula, CED taking into account changes in the industry, the labor market, the wishes of students and teachers, as well as the involvement of employers, students and stakeholders in decision-making. Opinion of specialists, reviewers are considered at the meeting of the Board of Directors. The members of the Academic Council include residents for each specialty.

The SCP&PS provides a variety and tailored approach to the content of supplementary medical education activities to enable physicians to develop their practice, in line with the latest advances in science and practice. To this end, the individual scope of activity, goals and priorities are determined during the questionnaire, direct conversation with students, telephone consultations about the educational cycles we conduct.

When planning internships in the workplace, the student himself determines the list of issues of interest, problems, according to which the teachers of the SCP&PS form a training programme, the necessary practical skills and knowledge.

Every year, taking into account the needs for medical personnel of the regions, the center sent a request for the need for clinical specialties of the residency to the DSHR of the Ministry of Health of the Republic of Kazakhstan. In accordance with the submitted request, the DSHR allocated the State order for training of medical personnel in residency.

4.2. Training strategies

The center operates a system of academic advice to residents in various specialties.

To this end, the resident is assigned a curator who provides the functions of an academic mentor, participates in the formation and implementation of an individual curriculum, manages the educational and scientific activities of the student, and assists in employment.

Academic advisory work at the center consists of advising residents during the training and before the examination session. Prior to the start of each examination session, the department of science and education develops and approves a schedule for the consultation of disciplines.

The Department of Science and Education of the SCP&PS is responsible for the organization of the reception of residents, professional orientation, strategy for the development of residents, regulates the employment and monitoring of the career of graduates.

The Science and Education Division has close ties with the education, health and employment authorities; coordinates the work of residents on career guidance and promotes the employment of graduates.

The main tasks of the department of science and education, together with the teachers of the SCP&PS are to provide support in the professional orientation and career planning of residents, increase the mobility, competitiveness of university graduates in the labor market, expand the scope of social partnership and improve the "resident-university-employer" system.

4.3 Participation and impact of trainees on supplementary and non-formal education programmes

The SCP&PS provides a variety and tailored approach to the content of supplementary medical education activities to enable physicians to develop their practice, in line with the latest advances in science and practice. The site of the center presents a calendar and thematic plan for the year on the planned refresher training cycles, reflecting the name of the cycle, hours and other information.

When planning internships in the workplace, the student himself determines the list of issues of interest, problems, according to which the teachers of the SCP&PS form a training programme, the necessary practical skills and knowledge.

The quality of the implementation of the educational programme is ensured by the participation of residents in the discussion of the mission of the center and the EP, access to which is available through posting on the website of the Center.

Issues, documents related to the educational process and educational materials on residency at the SCP&PS are approved by the Academic Council. Resident representatives are members of the Academic Council. Therefore, along with managers and teachers who are members of the Academic Council, they participate in the consideration and submission of proposals.

Residents with feedback on the educational process contribute to the most adequate development of EP, other regulatory documents for the formation of a highly qualified specialist.

The planning of educational conditions, assessment methods, educational process is based not only on regulatory and legal documentation, management decisions and teachers' proposals, but also largely takes into account the opinion of residents. Based on the results of the survey of residents, plans for corrective and preventive measures were developed, a proposal was made for the EP to provide greater autonomy and require greater activity during duty and during daily activities at the clinical base.

The SCP&PS also organizes a feedback collection in the form of a "proposal box", where each student, regardless of the course of study, can present his/her point of view on any section of the learning process.

4.4 Working conditions

According to the Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16 On Approval of the "Rules for the Training of Medical Personnel in Internship" and "Rules for the Training of Medical Personnel in Residence", residency students studying under a state educational order are provided with a state scholarship in accordance with the established procedure.

The right to combine training with work (no more than 0.5 hours) in areas of activity close to his future specialty in his free time from study with the consent of the supervisor, the head of the department and the head of the residency department.

In the presence of a specialist certificate, residents of the 2nd and 3rd years of study are allowed to conduct independent medical activities in public and private medical institutions during extracurricular hours with the consent of the curator and the head of the PAE.

In 2019-2020 and 2020-2021, due to the COVID-19 pandemic, the educational process was partially transferred to the online format (theoretical part).

All data were confirmed during the interview with residents and listeners.

Conclusions of the EEC on the criteria. Compliant with 38 standards: full – 38.

Standard 4: Implemented

Recommendations for improvement identified during the external visit: none

Standard 5: CPD PROVISION

Evidence of compliance:

5.1 Recognition Policy and Teachers

The purpose of the personnel policy of JSC SCP&PS is to create an effective human resources management system that provides opportunities for maximizing the potential of employees. Selection of teaching staff in accordance with the established requirements, analysis of the quantitative and qualitative composition of the teaching staff, monitoring and evaluation of pedagogical activities are the objects of constant attention from the management of the center. The staff of the faculty of the residency is determined in accordance with the main provisions of the Order of the Minister of Health of the Republic of Kazakhstan dated June 14, 2004 No. 474 "On approval of the standards for calculating the cost of tuition for one student, student of the residency, undergraduate student, doctoral student (PhD) in educational organizations and scientific organizations in the field of health care within the country on the state educational order". All 36 full-time teachers have undergone advanced training in the specialty and in pedagogical competencies over the past 5 years. The number of teachers with academic degrees is 70% and 76% have the highest category. Every year, at the beginning of the academic year, each teacher signs a "Teacher Honor Code", which specifies the rules of conduct of the center's teacher, taking into account the mission and vision.

5.2 Obligations and development of supplementary and non-formal education organizations

It has been established that the advanced training programmes comply with the established requirements of the Republic of Kazakhstan (the Law on Education of the Republic of Kazakhstan, regulations and orders on medical education, etc.) to the quality of medical education. However, the commission found that despite the high professionalism of teachers, they still need to improve their skills in innovative methods and technologies of teaching and teaching, and there is a need to introduce a portfolio for teachers. Residents and students from practical health care are required to have a basic education, a medical qualification category or an academic degree, and sufficient work experience in a specialty. The mentors are mainly the head of the clinical departments of JSC "SCP&PS". Cooperation with partner universities in the far and near abroad on the issues of advanced training of teaching staff is successfully developing. JSC SCP&PS implements academic mobility programmes for teachers and invites mentors in accordance with the goals and needs of students and employees. Guidance and training manuals are produced.

Conclusions of the EEC on the criteria. Compliant with 15 standards: fully -14, partially – 1.

Standard 5: Implemented

Recommendations for improvement identified during the external visit:

1. Expand the list of modules for improving pedagogical skills, taking into account the level of competence of teachers, including teaching methods and assessment methods.
2. Unify and approve personal educational portfolios of teachers.

Standard 6: EDUCATIONAL AND CPD ACTIVITIES

Evidence of compliance:

6.1 Material and technical base

External experts inspected the classroom fund, the base of clinical training of residents and trainees during the two-day Programme of visit to JSC "SCP&PS". The premises provide a safe environment for employees and listeners. The total area of the SCP&PS of the land plot is 3.6675 hectares and includes: lecture halls, study rooms, library, computer room, simulation room, information technology tools. Students have access to modern medical equipment, including laboratories for haematology, biochemistry, immunology, cytogenetics, histology and bacteriology, rehabilitation departments, physio rooms, exercise rooms. The equipment of clinical units ensures the quality of practical training and the skills of residents to provide specialized and highly specialized inpatient and outpatient polyclinic care.

6.2 Learning Bases

The specialized disciplines for residents are carried out on the basis of the clinical departments of the SCP&PS. A simulation room for practical skills training on minimally invasive technologies is functioning in the SCP&PS. The capacity of the classrooms ranges from 10 to 20 seats.

6.3 Information technology

Educational cycles in remote format are actively conducted in the SCP&PS. For this purpose, special programmes Moodle, Microsoft teams 365, Classroom, Zoom are used, which provide free communication of teachers and residents via the Internet.

To ensure efficient document flow, the SCP&PS has implemented the Documentologist. The library has a total stock of 2,264 books. For lectures, 2 conference rooms (134.4 sq.m and 100.8 sq.m) are used, equipped with personal computers, projectors and special screens.

6.4 Interaction with colleagues

The number of patients and the methods of diagnosis and treatment, manipulations and operations carried out is sufficient for the daily participation of all residents studying at this clinical base.

6.5 Formal and non-formal training

Every year, scientific conferences are held, at which students and residents report on the results of their scientific research. As a result, a competition is held for "Best publication", "Best poster report", "Best oral report".

6.6 Research and scientific achievements

Residents are actively involved in research work, medical research. Every year, the center holds an international scientific and practical conference for doctoral students, undergraduates and residents "Young researcher: challenges and prospects for the development of modern pediatrics and pediatric surgery".

1 time in 4 years - Congresses of pediatricians with the participation of scientists of the Near and Far Abroad to discuss topical issues of pediatrics and pediatric surgery, in the organization of which residents of the center actively participate.

6.7 Training in alternative educational institutions

At the same time, EEC experts found that there are areas for improvement:

It is necessary to increase academic mobility and exchange of residents and teaching staff with other universities, and to develop joint products (projects, grants, educational and methodological or scientific literature, defense of dissertation works).

There is no direct access for teachers and residents to international electronic databases.

The conclusions of the EEC according to the criteria. Comply with 25 standards: fully -23, partially - 2.

Standard 6: completed

Recommendations for improvement identified during the external visit:

1. Expand the access of students and listeners to international web resources of scientific and professional literature.
2. The simulation classroom shall be equipped with modern simulation equipment in accordance with educational programmes.
3. Introduce into the educational programmes of the residency electives on the scientific foundations and methodology of medical research.
4. To intensify the academic exchange of residents and teachers, as well as joint projects with other universities with the release of relevant products (publications, publication of textbooks and dissertations).

Standard 7: EVALUATION OF CPD ACTIVITIES

Evidence of compliance:

7.1 Mechanisms for monitoring and evaluating educational programmes

Evaluation of educational programmes is carried out by examining programmes at the stage of planning the development, discussion, approval and monitoring of implementation. Assessment of the quality of educational programmes and discussion of the required changes are carried out by the Department of Science and Education and the Department of Management and Quality.

All EPs undergo an internal and external review procedure. The internal review is carried out by the faculty of the SCP&PS, the external - by the faculty of medical universities and representatives of practical health care and approved by the Academic Council. In JSC "SCP&PS" there is a system of control over the content of the educational programme.

7.2 Feedback

In order to assess the effectiveness of educational programmes, monitoring of the opinion of students (questionnaires) after the completion of training was introduced. The opinion of students is considered as an assessment of experts who are able to objectively assess the educational programme according to the proposed criteria (indicators). According to the results of the annual survey of residents, the level of competence of the teacher is 4.54 out of 5 points, which corresponds to a good level, and who have passed the questionnaire, are completely satisfied with the educational process. Based on the results of

the survey, appropriate measures and recommendations aimed at improving educational programmes and organizing the educational process are developed.

At the same time, the commission noted that there are no defined and approved regulations for assessing the quality of educational programmes, the role of the main stakeholders in this process is not defined, and there are no clear data on the communication of the results of the survey to stakeholders, the publication of the results of the survey. Only blank questionnaires are used.

Conclusions of the EEC on the criteria. Comply with 17 standards: fully - 16, partially -1.

Standard 7: Implemented

Recommendations for improvement identified during the external visit:

1. Systematize methods for evaluating trainees and methods for monitoring learning outcomes.

Standard 8: ORGANISATION

Evidence of compliance:

8.1 Documentation and planning needs for supplementary and non-formal education

The management of the educational programme of the residency of JSC "SCP&PS" is guided by the submitted documents "Academic Policy", "Regulations on Residency", "Regulations on the organization of the educational process", "Regulations on mentoring". Coordination, control and monitoring of the implementation of the educational programme of the residency in the specialty "Pediatrics" and "Pediatric surgery" is carried out by the department of PAE.

8.2 Academic Leadership

The documents defining the scope of duties and powers in relation to educational programmes of trainings and seminars, including the obligations to provide the educational process in full with all necessary information sources: textbooks, teaching aids, teaching aids and developments in educational disciplines, active handouts for independent work, electronic textbooks, access to network educational resources, have been developed and approved in JSC "SCP&PS".

8.3 Allocation of training budget and resources

The main goal of the financial and economic service is to achieve the sustainable success of the SCP&PS on the basis of a systematic approach to assessing and improving the effectiveness of the internal control system, the process approach of quality management and continuous improvement in accordance with the requirements of domestic standards, international standards.

The stable financial condition of the SCP&PS is confirmed by the data of the accounting report.

8.4 Administration

Evaluation of EP is carried out at two levels: internal and external. Internal: Department of the PAE, Academic Council of the SCP&PS. External - Ministry of Health of the Republic of Kazakhstan and Ministry of Education and Science of the Republic of Kazakhstan, employers.

Conclusions of the EEC on the criteria. Comply with 16 standards: fully -15, partially – 1.

Standard 8: Implemented

Recommendations for improvement identified during the external visit:

1. Develop incentive mechanisms or create conditions for resident managers and residents themselves to actively participate in international events.

Standard 9: CONTINUOUS RENEWAL

Evidence of compliance:

According to the staff files provided, all staff of the SCP&PS, including the teaching staff, upgrade their professional qualifications every five years. The processes of updating the educational programme for residency, the programme of additional education and improving the practice of its implementation occur taking into account the knowledge and skills acquired by teachers at training events (seminars, master classes, conferences) and taking into account the changes in the needs of practical health care and pharmacy, new regulatory documentation, and changes in society.

Specialists who have been trained at the SCP&PS can express their opinion by taking questionnaires, commenting on social networks, as well as publishing scientific articles and participating in the conference.

The educational process carried out in the SCP&PS is aimed at developing professional responsibility, clinical skills, knowledge and skills, the desire for continuous self-improvement, continuing professional development and lifelong learning.

When updating educational programmes of additional training, faculty and employees of the organization use retrospective analysis, prospective analysis, study of literature, regulatory documents, clinical protocols. A mandatory requirement for the organization of advanced training programmes is the continuous study of materials from the who website.

The management promptly solves material issues related to ensuring the safety of employees and finding trainees.

Conclusions of the EEC on the criteria. Compliant with 5 standards: full – 5.

Standard 9: Implemented

6. Recommendations for improving the institutional activity of JSC Scientific Center of Pediatrics and Pediatric Surgery:

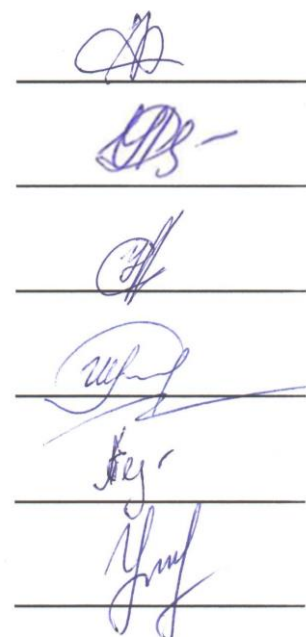
1. Actively involve the main stakeholders (students, employers, public organizations, patients, listeners) in the development of the mission, educational programme, final results and document these processes (protocol) (*standards 1.4.1, 1.4.2., 7.2.7, 7.3.1*).
2. To strengthen educational and methodological work:
 - to create an academic advisory body for planning, discussion, approval of educational programmes and other educational and methodological documentation (*standards 2.7.1 , 2.7.2*);
 - incorporate stakeholder recommendations into the development, writing and approval of educational programmes (*standards 2.6.1, 2.6.2, 8.5.2*);
 - bring the methodological documentation in accordance with the requirement of postgraduate and additional education and ensure its annual updating (*standard 3*).
3. Implement elements of remote technologies in the learning process (documentation and archiving of results) (*standard 2*).
4. Introduce into the educational programmes of the residency electives on the scientific foundations and methodology of medical research (*standards 2 and 6.6.3*).
5. Regularly analyze and evaluate the quality of the evaluation methods and format used for the validity and reliability of the final learning outcomes (*standards 3.1.4, 3.1.6*).
6. Introduce modern electronic technologies in the process of evaluating students and residents (documenting and archiving results) and apply a system for monitoring results (*standard 3*).
7. Expand the list of modules for improving pedagogical skills, taking into account the level of competence of teachers, including on teaching methods and assessment methods (*standard 5.4.2*).
8. Unify and approve personal educational portfolios of teachers (*standard 5.4.3*).
9. Expand the access of students and listeners to international web resources of scientific and professional literature (*standards 6.1.1, 6.3.1*).
10. Simulation class shall be equipped with modern simulation equipment in accordance with educational programmes (*standard 6.1.4*).
11. Systematize the methods of evaluation of students and methods of monitoring the results of training (*7.2.7., 7.3.1*).

12. Activate academic exchange of residents and teachers, as well as joint projects with other universities with the release of relevant products (publications, publication of textbooks and thesis) (*standard 6*).
13. Develop incentive mechanisms or create conditions for resident managers and residents themselves to participate actively in international events (*Standard 8*).

7. Recommendation to the ECAQA Accreditation Council

Members of the EEC established compliance with the Standards of institutional accreditation of medical organizations of postgraduate and additional and non-formal education (continuing professional development) and came to a unanimous opinion to recommend to the ECAQA Accreditation Council to accredit JSC "Scientific Center of Pediatrics and Pediatric Surgery" as an organization that carries out postgraduate and additional and non-formal education for a period of 5 years.

	Full name
chairperson	Zhumalina Akmaral Kanashevna
Foreign Expert	Ubaidullaeva Sevara Abdullaevna
Kazakh Academic Expert	Urazova Saltanat Nurgozhayevna
Employers' representative	Shamsutdinova Alfiya Gumarovna
Resident Representative	Zikiriya Ernur Abayuly



Handwritten signatures of the council members, corresponding to the rows in the table above. Each signature is written in blue ink on a horizontal line.

Observer for ECAQA M.A. Umarova

**Quality Profile and Criteria for External Institutional Evaluation (Synthesis)
Scientific Center of Pediatrics and Pediatric Surgery JSC**

Standard	Evaluation Criteria	Number of standards	Estimation		
			Fully compliant	Partially compliant	Not compliant
1	MISSION AND OUTCOMES	14	13	1	
2	EDUCATIONAL PROGRAMME	33	31	2	
3	ASSESSMENT AND DOCUMENTATION	15	13	2	
4	THE HEALTHCARE PROFESSIONALS	38	38		
5	CPD PROVISION	15	14	1	
6	EDUCATIONAL AND CPD ACTIVITIES	25	23	2	
7	EVALUATION OF CPD ACTIVITIES	17	16	1	
8	ORGANISATION	16	15	1	
9	CONTINUOUS RENEWAL	5			
	Subtotal:	178	168	10	
			178		

The list of documents studied by the members of the EEC as part of the institutional assessment of JSC Scientific Center for Pediatrics and Pediatric Surgery

№	Names of documents	Quantity	Date of approval
1.	Articles of Association	1	Order of the Acting Chairperson of the State Property and Privatization Committee of the MoF RoK No.737 dated June 28, 2018
2.	Organizational structure of the center	1	By the decision of the Board of Directors No.12 dated December 23, 2021.
3.	Regulations on the Academic Council	1	SC No. 5 dated September 18, 2019 At the Board Meeting No.7 dated 28.10.2019.
4.	Regulations on the Department of Science and Education	1	Dated 02.09.2019
5.	Testing and measuring instruments – tests, situational tasks, examination cards	100	SC No. 2 dated 29.03.2019, SC No. 3 dated 25.07.2019
6.	Minutes of approval of the main methodological materials on CPD		SC No. 2 dated March 14, 2018, SC No. 3 dated May 11, 2018 SC No. 7 dated 05.11.2018 SC No. 1 dated March 12, 2019 SC No. 2 dated 29.03.2019 No.5 dated September 18, 2019
7.	Protocol that attests to the approval of the mission and educational programmes	1	No.4 dated 22.08.2019.
8.	Student Documents (Portfolio)	10	No. 4 dated 02.08.2018, Portfolio 2019, 2020(folders)
9.	Educational and methodological complexes (WEP, schedules, ped load, examination sheet, tests, situational tasks, syllabuses for all advanced training programmes)	3	No.1 dated 26.02.2020, No. 2 dated 27.05.2020, No. 3 dated 04.06.2020, No. 3 dated 06.05.2021 Additional Education and Residency Folders
10.	Catalog of elective disciplines	1	27.08.2018 14.03.2018

			dated 22.08.2019 dated 30.07.2020
11.	Development of methods for evaluating students of CPD programmes SOP FSA, Credit Recalculation, Current Control, Interim and Final Certification	4	No.1 dated 26.02.2020, No. 2 dated 27.05.2020, No. 3 dated 04.06.2020, No. 3 dated 06.05.2021
12.	Regulations on conducting advanced training, seminars and training modules in additional education	1	No. 5 dated 25.07.2019
13.	Information on the staff of teachers	1	No. 4 dated 02.08.2018 SOPs for training in the residency mentors and curators No. 6 dated 14.09.2018 – approval of supervisors No. 6 dated September 10, 2020 – approval of curators, orders of the Chairperson of the Board and from the accounting department – timesheets.
14.	Questionnaires and results of a survey of employers and students on the modification of educational programmes and satisfaction with the educational process	1	No.6 dated 11.10.2021
15.	Code of Honor of the faculty	1	No. 3 dated 25.07.2019
16.	Code of Student Honor	1	No. 3 dated 25.07.2019