

To Accreditation Council  
of the Eurasian Center for Accreditation  
and Quality Assurance in Higher Education and Health Care  
15.06.2022

**REPORT  
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE  
ASSESSMENT OF THE EDUCATIONAL PROGRAMME  
7R01106 "ONCOLOGY AND HEMATOLOGY FOR CHILDREN"  
OF JSC "SCIENTIFIC CENTER FOR PEDIATRICS AND PEDIATRIC  
SURGERY"  
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS FOR  
POSTGRADUATE PROGRAMMES (SPECIALTY OF RESIDENCY) IN  
MEDICAL EDUCATIONAL ORGANIZATIONS**

**external expert evaluation period: 15-17 June 2022**

**Almaty, 2022**

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### List of symbols and abbreviations

Abbreviation	Designation
JSC "SCP&PS"	Joint Stock Company Scientific Center of Pediatrics and Pediatric Surgery
OPC	Outpatient care
ARCCH	Chief Physician Almaty Regional Children's Clinical Hospital
BD (L)	Basic disciplines (learning)
University	Higher education institution
SAC	State Attestation Commission
SPE on the REM	State Public Enterprise on the Right of Economic Management
SCES	State compulsory standard of education
DSHR	Department of Science and Human Resources
AE	AE – additional education
DLT	Distance learning technologies
FSA	final state attestation
IIT	Induction of immune tolerance
IEPI	Individual Educational Plan
KazMUNO	Kazakh Medical University of Continuing Education
KazNMU	NJSC "Asfendiyarov Kazakh National Medical University"
MSE	Municipal State Treasury Enterprise
CDL	Clinical Diagnostic Laboratory
CMI	Control and measuring instruments
CQAES 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	NEI "Kazakhstan-Russian Medical University"
CED	Catalog of elective disciplines
LEC	Local Ethics Commission
MoH RoK	Ministry of Health of the Republic of Kazakhstan
MES of RoK	Ministry of Education and Science of the Republic of Kazakhstan
MUK	NJSC "Medical University of Karaganda"
RW	Research work
IQAA	Independent Kazakhstan Agency for Quality Assurance in Education
NSCS	National Scientific Center for Surgery
NLA	Normative legal acts
NGO	Non-governmental organizations
CPD	Continuing professional development;
STP	Scientific and Technical Programme
SCOGP	Scientific Center of Obstetrics, Gynecology and Perinatology
NCIE	National Independent Examination Centre
RCH	Regional Children's Hospital
EP	Educational programme
OSCE	Objective Structured Clinical Exam
MT	Midterm
PD (L)	Profiling disciplines (training)
AT	Advanced Training
PMHC	Primary Medical health care

TS	Teaching staff
RSCI	Russian Scientific Citation Index
WEPI	Work Curriculum
RCHD	republican Center for Health Development
CLR	Cardiopulmonary resuscitation
AEMC	Ambulance emergency medical care
SOP	Standard Operating Procedures
IWR	independent work of a resident
IWRT	Resident independent work under the supervision of a teacher
TEP	Typical Educational plan
DHC	Health Care Department
US	Ultrasound examination
EMC	Educational and methodological complex of the discipline
SC	Scientific Council
CDH	Central District Hospital
CBL	Case-Based Training
ECTS	European netting system
GCP	Good Clinical Practice Standard
PBL	Problem-oriented learning
TBL	Team-Based Learning

### 1. Composition of the external expert commission

In accordance with the order of the ECAQA Order No. 21 dated June 3, 2022, an External Expert Commission (hereinafter referred to as the EEC) was formed for the period of 15.06. - 17.06.2022 external evaluation of the educational programme of the residency in the specialty "Oncology and Hematology for Children" in the following composition

<b>order №</b>	<b>Status as part of EEC</b>	<b>Full name</b>	<b>Academic degree, academic title, position, place of work/place of study, course, specialty</b>
1	Chairperson	Zhanalina Bakhyt Sekerbekovna	doctor of Medical Sciences, Professor of the Department of Surgical and Pediatric Dentistry of NJSC "West Kazakhstan Medical University named after Marat Ospanov"
2	Foreign Expert	Lazareva Elena Pavlovna	Candidate of Medical Sciences, Associate Professor of the Department of Faculty and Polyclinic Pediatrics of the Federal State Budgetary Educational Institution of Higher Education "Volga Research Medical University" of the Ministry of Health of the Russian Federation
3	Academic experts	Tukbekova Bibigul Toleubekovna	Doctor of Medical Sciences, Associate Professor, Head of the Department of Pediatrics and Neonatology of the Medical University of Karaganda
		Kabildina Nailya Amirbekovna	Candidate of Medical Sciences, Associate Professor, Head of the Department of Oncology and Radiation Diagnostics, Doctor of Oncology Surgeon of the MSE GED of the Medical University of Karaganda
4	Expert – employer representative	Tulendieva Assel Tayaubaevna	deputy Chief Physician for Quality Control of Medical Services, PSE on the REM "Children's City Clinical Hospital 2"
5	Resident	Esengali Nazerke	resident of the first year of study in the specialty "Pediatrics" of the NEI "Kazakh-Russian Medical University"

The observer for ECAQA is Umarova Makpal Aldibekovna, Head of 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 EEC report contains an assessment of the educational programme "Oncology and Hematology for Children" compliance with the Standards of accreditation of postgraduate education programmes (residency specialties) of medical educational organizations and conclusions (hereinafter referred to as Accreditation Standards), recommendations of the EEC on further improvement of approaches and conditions for the implementation of the above-mentioned educational programme and recommendations for the ECAQA Accreditation Council.

## 2. General part of the final report

### 2.1 Presentation of the educational programme of the residency in the specialty "Oncology and Hematology for Children"

Organization name, legal form of ownership, BIN	Joint Stock Company Scientific Center of Pediatrics and Pediatric Surgery BIN 991240004660
Management body	The Department of Justice of Bostandyk District has carried out the state registration of a legal entity
Full name of the chief executive officer	Manzhuova Lyazzat Nurpabaevna
Created in	1932
Location and contact details	Country, region/ oblast: Republic of Kazakhstan, Almaty oblast Postal code, city, street: 050040, Almaty, Al-Farabi Avenue 146 Phone: (country code, city code, phone number): + 7 727 299 2121 Watt-tap number: E-mail: info@pediatria.kz Official website: <a href="https://pediatria.kz/">https://pediatria.kz/</a>
State license for educational activities in the residency (date, number)	License number No. KZ16LAA00012717, license issue date August 20, 2018
Information on branches, subsidiaries (if any)	
Year of implementation of the accredited educational programme (EP)	"Oncology and Hematology for Children" Start of implementation in 2022
Duration of training	2 years
Total number of graduates since the beginning of EP implementation	231
Number of residents on EP since the beginning of the current year	
Full-time trainers/ Combiners involved in the implementation of EP, incl. % of degree	Full-time trainers 28 Part-timers-8 Degrees – 61%

Since 2010, the National Centre for Pediatric Surgery has been conducting residency studies in the fields of pediatrics and pediatric surgery. Since 2010, 231 residents have been released, including 173 in the specialty "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 specialty "Oncology and Hematology for Children". Taking into account the availability of all resources for training in the residency in the specialty "Oncology and Hematology for Children", since 2021, the EP in the specialty "Oncology and Hematology for Children" has been prepared, in terms of inclusion in the register of the Bologna process and the passage of primary specialized accreditation. The final independent certification was passed by all residents at the first time. Graduates of the Center are in demand in the labor market, which confirms the high employment rate. Many graduates are heads of departments, including in our center, some entered PhD doctoral studies. There is a graduate of the residency of our center, which defended the academic degree of Master in the United States. The SCP&PS has a certificate of

accreditation of the Ministry of Education and Science of the Republic of Kazakhstan as a subject of scientific and technical activity. Within the framework of grant financing (MoH RK) the center over the past 5 years carried out 4 scientific projects, the amount allocated for research amounted to 144866618 million tenge, also our center participates in three international non-interventional multicenter clinical studies.

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

Thus, the SCP&PS has all the material and human resources, the quality of training is provided by creating values for consumers through educational programmes, the qualification of teaching staff, the quality of teaching and organization of the educational process, the equipment of the clinical base, the development of international activities, the effective use of a network of republican partners to meet the growing needs of consumers in obtaining knowledge and skills.

## **2.2. 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 "Pediatric Surgery" of the Independent Kazakhstan Agency for Quality Assurance in Education – IQAA No. SA 008 dated 26.12.2016 (valid for 5 years). In connection with the transition from the SPE on the REM to the joint-stock company, the license to engage in educational activities in the field of postgraduate education in the specialty "Pediatric Surgery" was re-issued - 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".

The educational programme of the residency in the specialty "Oncology and Hematology for Children" in 2022 undergoes initial accreditation.

## **2.3 Conclusion on the results of the review of the report on the self-assessment of the educational programme "Oncology and Hematology for Children" for compliance with the Standards of accreditation of postgraduate programmes (specialty of residency) of medical organizations of education and conclusions**

The report on the self-assessment of the educational programme of the residency in the specialty "Oncology and Hematology for Children" (hereinafter – the report) is presented on 119 pages of the main text, annexes on 14 pages, electronic versions of documents located at: <https://cloud.mail.ru/stock/iq5txDuCXJaRfEd5zMyN7yVR>. The report is characterized by the completeness of responses to all 9 main accreditation standards and criteria, structured taking into account the recommendations of the Guidelines for the self-assessment of the educational programme provided to the organization of education by the accreditation center - ECAQA, as well as the internal unity of information. Enclosed with the report is a cover letter for the event confirming the reliability of the report on the self-assessment of the educational programme, signed by the Chairperson of the Board of the SCP&PS, Doctor of Medical Sciences, Professor R.Z. Boranbayeva.

Self-assessment of the educational programme 7R01106 "Oncology and Pediatric Hematology" (primary), was carried out on the basis of the order of the head No. \_\_21\_\_ dated \_03.06.2022 "On approval of the composition of the Working Group for self-assessment and preparation for accreditation of educational programmes of the residency for compliance with the standards of specialized accreditation of educational programmes of the Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care (ECAQA)"

The report was reviewed by the accreditation expert Kadyшева A.A. and the review noted strengths and areas for improvement, as well as recommendations for additions and changes. 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.

All the standards include the real practice of the National Centre for Oncology and Hematology for Children in training residents in the specialty "Oncology and Hematology for Children", substantiated data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is sufficiently complete and updated in terms of the number of residents, teachers, administration, information on selection and admission, learning outcomes, results of knowledge and skills assessment, material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement.

The report is submitted to ECAQA in a completed form, with correction of the data on the above recommendations, written in a competent language, the wording for each standard is clear and understandable and described in accordance with the criterion 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 assessment**

External expert work in the framework of the evaluation of the educational programme "Oncology and Hematology for Children" was organized in accordance with the Guidelines for the external evaluation of educational institutions and educational programmes of ECAQA (approved by the order of the Director General of "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" No.5 dated 17.02.2017) and in accordance with the programme approved by Order No. 21 dated 03.06.2022 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the Acting Director of the SCP&PS Manzhueva Lyazzat Nurpabaevna. Dates of the visit to the organization: 15.06-17.06.2022.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of 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 Lazarev Elena Pavlovna (Russia, Nizhny Novgorod) is provided on the zoom platform (video recordings are archived in the accreditation body).

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

- interview with management and administrative staff – 6 people in total;
- interviews with residents – 10 people;
- website study: <https://pediatria.kz/>
- interviewing 11 teachers;
- questionnaires of teachers and residents – 11 and 16, respectively;
- review of resources in the context of meeting accreditation standards: 2 clinical bases visited. Visit to CCH No.2 (district 2, pr. Altynsarina 54 ) and city polyclinic No.7 (Bukhar Zhyrau Boulevard 14), with the participation of the responsible Bazarbayeva A.A.;
- study of educational and methodological documents in the amount of 31 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 about the number and category of participants in meetings, interviews, interviews with members of the EEC

Job Title	Quantity
Acting Chairperson of the Board Candidate of Medical Sciences	1
Deputy for Strategic Development and Economics	1
Head of the pediatric unit, Candidate of Medical Sciences	1
Acting Head of the Surgical Unit	1
Head of Science and Education, Candidate of Medical Sciences	1
Scientific Secretary, Candidate of Medical Sciences	1
Professor, Head of the Management Department, Doctor of Medical Sciences	1
Head of the Sector of Patent-Information and Evidence-Based Medicine, Doctor of Medical Sciences	1
Head of the Biostatistics Sector, Doctor of Medical Sciences	1
Laboratory Specialist	1
Pathomorphologist, Candidate of Medical Sciences	1
head of the Department of Neonatology	1
head of the Department of Surgery No.1	1
head of the Department of Oncology and Hematology No.3	1
head of the Department of Oncology and Hematology No.2	1
head of the Department of Oncology and Hematology No.1	1
head of the Department of Surgery No.2, Candidate of Medical Sciences	1
head of the Department of Radiation Diagnostics, Candidate of Medical Sciences	1
Head of Endoscopy Department	1
Head of Pulmonology Department	1
Doctors	11
Resident for 2 years in the specialty "Oncology and Hematology for Children"	4
Resident for 1 year in the specialty "Oncology and Hematology for Children"	1

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 advisory body, in interviews with residents and teachers, compliance with the criteria of **Standard 1** was established. All participants in the educational process know the mission of the organization, took part in the formation of proposals for 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. Reviewed the strategic plan of the organization for the period from 2020-2024 for 5 years, which includes such areas as mission, vision, values and ethical principles, 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 indicates compliance with **Standard 2** in terms of adapting training to the needs of residents.

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. Attended a practical lesson in the specialty "Oncology and Hematology for Children". Teacher Tulebayeva A., subject: "Differential diagnosis of diseases with hemorrhagic syndrome".

Experts received convincing data that the training is carried out according to the plan, before the beginning of the lesson, residents answer the tests, receive feedback from the teacher, have the opportunity to improve practical skills and deepen theoretical knowledge. The organization ensures compliance with ethical aspects in the implementation of the educational programme.

When attending a seminar in the specialty "Pediatrics", Teacher Marshalkina T.V., the topic: "Diagnostic criteria and clinical manifestations of cystic fibrosis in children" and conversation with residents, experts saw that the organization contributes to the development and improvement of clinical thinking and competencies of residents. At the same time, residents deepen their theoretical knowledge, develop communication skills. The lesson was conducted at a high methodological level, clinical cases were presented.

Also, when visiting the simulation room, the experts demonstrated the development of practical skills, in particular, in the specialty "Oncology and Hematology for Children", brilliantly performed a puncture of the bone marrow on the simulation equipment and evaluated the residents.

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 EP EMCD and syllabuses, and teachers apply them in classes.

A study of the measuring instruments of 120 tests, 50 clinical tasks and the situation of a standardized patient showed that the organization has introduced an appropriate evaluation policy that allows a multifaceted assessment of the educational achievements of residents. During the interview, the residents spoke about the forms of assessment, for example: testing, OSCE, mini-clinical exam, OSPE and that they are satisfied with everything. They also receive regular feedback from teachers. The system of appealing the results of the assessment is reflected in the document "Regulations on residency" dated May 12, 2022, and during the period of work of the organization of education, there were no precedents for appeal. Thus, compliance with standard 3 has been established.

During a visit to the organization and during an interview with the head of science and Education, PhD Bazarbayeva A.A. the Commission made sure that there is a documentation system that is transparent and accessible to all teachers and staff, and includes such documents as annual operational plans, annual reports, regulations of departments, contracts with teachers and residents, provision of resources, material and technical equipment and educational and methodological documentation (work programme, work curricula, syllabuses, journals), evaluation tools (checklists, statements), certificates. A review of the website showed that its pages contain the necessary documents for residents "Residence Regulations", "Mission", "Code of Conduct" and there is feedback on student, TS and employer satisfaction, which is regularly updated.

The conversation with E.B Slobodenyuk, responsible for quality management, included such issues as the policy of internal quality assurance in higher and postgraduate education, monitoring of implementation, evaluation of educational programmes and allowed experts to learn about approaches to attracting employees of clinical bases for teaching, about the strategy and tactics of recruiting residents, information security of the educational programme, as well as identify problems in human resource management and development, since most part-timers do not know the teaching methodology.

Interviews with 11 teachers, including 11 full-time, 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 verify the data of Standard 5, external experts received an opinion on personnel policy and approaches to the development of teachers' pedagogical competence, motivation to work with residents, and mentoring. Experts found that teachers initiate research topics for residents, stimulate the need for additional training in the management of scientific research and biostatistics,

which contributes to independent work with literature, medical documentation when performing research work.

During the visit to clinical bases (Visit to CCH №2 (district 2, pr. Altynsarina 54) and city polyclinic №7 (Bukhar Zhyrau Boulevard 14)), 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 obtained evidence of compliance with Standard 6, as well as validation of the information in the self-assessment report.

In order to validate the implementation of the data of the self-assessment report and obtain evidence about the quality of the programmes, interviews were conducted with residents in the specialty "Oncology and Hematology for Children". The experts asked questions about satisfaction with the training, enough time for patient supervision, work in DAMUMED with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need, participation in "Journal Clubs", accessibility of international databases of professional literature, scientific works. In general, students are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that the organization of education has good resources, image and international relations, at the same time, students would like more independence in patient management, the holding of international events.

Residents showed their commitment to the organization of education, were active in answering the questions of external experts, demonstrated their judgment in the organization of training, assessment of their skills, advisory support, the opportunity to participate in R&D. Members of the External Expert Commission (EEC) Experts studied the documents of residents (portfolio, results of assessment of residents - checklists, results of questionnaire of residents).

Interviews with 4 employers were conducted online and included such questions as: knowledge of the university's mission, participation in the development of the mission and proposals to the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and formation clinical thinking, interaction with departments and the university as a whole, 100% employment of residency graduates, etc.

The review of resources showed that they correspond to the goals and objectives of educational activities, for example, the clinical bases of the SCP&PS with a total bed capacity of 530 were visited, and employees of the organization of education provide a collegial and ethical relationship with medical personnel, the management of the clinical base to achieve the final learning outcomes of residents. A sufficient number of thematic patients, modern equipment and demonstrates accessibility to students are provided, and employees who simultaneously perform the roles of teachers and mentors (mentors) provide high-quality training in compliance with ethics and deontology. Before starting the relevant discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

**Interview with 4 residents** studying on the accredited educational programme in the specialty "Oncology and Hematology for Children" was held offline, which allowed to get answers to such questions as: What practical skills have they mastered in the discipline "Oncology and Hematology for Children in Hospital"? Answer: according to the individual plan, such manipulations as bone marrow puncture, trepan biopsies of tumors, spinal punctures and others. Experts also asked questions about satisfaction with training at the center, sufficiency of time for patient supervision, work in Damumed with medical documentation, satisfaction with teaching methods and teacher qualifications, social and moral support for residents in need, availability of international databases of professional literature. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, as they believe that the organization of education has good resources, image and international relations.

Residents showed their commitment to the organization of education, were active in answering the questions of external experts, demonstrated their judgments on the organization of training,

assessment of their skills, advisory support, the opportunity to participate in research, funding, demonstrated competence in answering the questions of a foreign expert associate professor Lazareva Elena Pavlovna, Candidate of Medical Sciences, Department of Faculty and Polyclinic Pediatrics of the Federal State Budgetary Educational Institution of Higher Education "Volga Research Medical University" of the Ministry of Health of the Russian Federation. 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 the Residency Educational Programme in "Oncology and Hematology for Children" for Compliance with the ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the educational programme were discussed and the Chairperson Zhanalina B.S. held a final open vote on recommendations for the ECAQA Accreditation Council for the accreditation period of 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 the SCP&PS, the 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:** The EEC members carefully studied and evaluated the main indicators of the accredited educational programme. The information obtained by the expert during the study of the self-assessment report was analyzed during the preparation of a written review with recommendations for improvement, the implementation of the activities of the SCP&PS visit programme from June 15 to 17, 2022. All the information received was compared with the data of the self-assessment report, the information on each criterion of the accreditation standards was validated and the indicators of the annex to the self-assessment report were verified, which made it possible to verify the reliability of the information provided by the University and the supporting 39 documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the report on the self-assessment of the educational programme, JSC SCP&PS described its real educational practice in postgraduate education, before the visit to the organization by studying the annexes to the report provided by the Department of Science and Education and access to Google Drive <https://cloud.mail.ru/stock/iq5txDuCXJaRfEd5zMyN7yVR>, the experts reviewed 31 documents. In the specialty of the residency "Oncology and Hematology for Children", the mission, strategic plan 2020-2024, EMC disciplines, syllabuses, control and measuring tools, checklists, resident portfolios, individual plans of residents for 2021-2022, 2019-2022 academic year, publications of teachers and residents, rules for admission to the residency, personnel policy, the programme of the internal quality assurance system, resources for training, as well as were viewed directly on the clinical bases of the department (Visit to the CCH No.2 (distr. 2, pr. Altynsarina 54 ) and the city polyclinic No.7 (Bukhar Zhyrau Boulevard 14)), the availability of classrooms, office equipment for residents is available when working with literature, patient documentation, educational and methodological literature. Resources on residency on the website <https://semeymedicaluniversity.kz/> made it possible to identify the compliance of the activities of the educational organization with the basic accreditation standards.

During the external examination, it was found that the Rules for the training of medical personnel in the residency are observed (Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16). The volume of educational load and medical and preventive work in the sections of the educational programme of the residency in the specialty "Oncology and Hematology for Children" is determined by the individual work plan of the resident for

one year and is monitored by monthly reports of the resident in an arbitrary form. Completed tasks are recorded in the form of a portfolio in accordance with the recommendations in the syllabus.

In connection with the new edition of Order No.647 On Approval of State Mandatory Standards and Standard Professional Curricula for Medical and Pharmaceutical Specialties dated July 31, 2015 (as amended by Order No. KR DSM-12/2020 of the Ministry of Health of the Republic of Kazakhstan dated February 21, 2020, Chapter 2. Requirements for the content of the educational programmes of the residency with a focus on the results of training), the educational programme has changed and supplemented in relation to the development of the research competence of residents, which should participate in the work of the research team. In the specialty "Oncology and hematology of children" residents are engaged in research work.

In accordance with Article 222 of the Residence clause 4 of the Code of the Republic of Kazakhstan On Public Health and the Healthcare System dated July 7, 2020 No. 360-VI of the RK, external experts have studied the activities and held conversations with mentors of residents, and it is established that each resident is provided with a mentor.

Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development, evaluation of educational programmes, decision-making on a number of key issues in the selection of clinical bases, topics of elective disciplines, participation in appeal commissions for the admission and evaluation of residents, the development of the content of individual plans of residents and the selection of mentors in the specialty "Oncology and Hematology for Children" .

Recommendations for improving the activities in the implementation of the educational programme of the residency in the specialty "Oncology and Pediatric Hematology" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert assessment, were presented at a meeting with the management on June 17, 2022.

The programme of the 3-day visit (15-17.06.2022) of the external expert assessment of the EEC is fully implemented. Participation of all persons specified in the programme is ensured by the university staff.

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 self-assessment of the educational programme of the residency "Maxillofacial surgery for adults, children" 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.

For the work of the EEC, comfortable conditions were created, access to all the necessary information and material resources was organized. Experts note a high level of corporate culture and discipline responsible for postgraduate education of SCP&PS staff, 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.

#### **4. Results of the survey.**

By the observer for ECAQA during the period 15.03.- On June 17, 2022, an online questionnaire was conducted at <https://webanketa.com/>.

##### **The resident survey includes 22 questions.**

A total of 16 people responded (a total of 16 residents for the current year).

##### **Resident survey results:**

31.25% of residents of 1 year of study, 62.5%- 2 years, graduates - 6.25% took part in the survey. 100% noted that they will recommend this university as an organization of education. 87.5% of respondents fully agree and 12.5% partially agree that programme managers and teaching staff are aware of their learning problems. 93,75% of respondents noted that heads of EP constantly involve them in work of advisory bodies, 6,25%- don't know about it. Fully (75%) and partially (12.5%)

satisfied with the conditions and equipment of classrooms, classrooms of the university. 81.25% agree that the organization has created conditions for recreation and nutrition, 18.75%- partially.

According to 87.5% (fully) and 12.5% (partially) of office equipment is available for use on the basis of practice. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes, there is access to research activities - 100% agree completely. Fully (87.5%) and partially (12.5%) satisfied with the library collection and resources. Access to electronic educational resources has 93.75% of respondents and 6.25% believe that partially.

Accessibility in medical services fully agree 68.75%, 25% partially, no answer - 6.25%. 100% of residents are satisfied with the work of supervisors, mentors, respectful attitude of teachers and employees of the organization, career counselling service for students, a well-established training system, enough time for training, the content of the EP, the teacher conducts feedback after classes, likes to study in this organization.

Also, 100% are satisfied with the relationship with fellow students, colleagues, medical personnel, the lack of negative attitude on the part of teachers, the accessibility of the manual for teachers. In 100% of respondents noted that this organization helps to acquire new knowledge, positive opinion on work of the external commission, need of carrying out accreditation of EP.

With regard to social support programmes, 87.5 per cent said they agreed that 12.5 per cent had not heard of such programmes. According to 87.5%, the organization of clinical training fully satisfies them, and 12.5% partially. Fully satisfied with the schedule 93.75%, 6.25%- partially. Satisfied completely (93.75%) and partially (6.25%) with the methods of teaching. According to 93.75% of teachers in the classroom use active and interactive teaching methods regularly, and according to 6.25% - sometimes. 93.75% noted that the teacher is never late for the start of classes, 6.25%-sometimes. 93.75% noted that the number of patients is sufficient for the course, 6.25% are partially satisfied. 68.75% noted that they are currently engaged in research work, 31.25%- no.

One published publication was indicated by 37.5% of respondents, more than one - 56.25%, 6.25% plan to publish in the near future. Fully (93.75%) and partially (6.25%) satisfied with the organization of teaching in JSC SCP&PS 81.25% of residents noted that they were involved in the preparation of the self-assessment report, 12.5% to organize a meeting with external experts, 6.25%- at all stages.

**Conclusions:** the results of the questionnaire of residents indicate high satisfaction with the organization of education, the work of mentors, mentors in general, as well as learning conditions, access to equipment, time for practical training, the number of patients for supervision. The high publication activity of residents indicates the possibility of doing research work, and the degree of satisfaction with the availability of material resources, their accessibility - the established system of the educational process.

**The teacher survey included 21 questionnaire questions.** A total of 11 people (total in the state of \_\_11\_\_) responded, with a pedagogical experience of up to 5 years –\_0\_\_%, up to 10 years - \_9.09\_\_%, more than 10 years – 90.91\_\_%.

**Results of a survey of teachers:**

As teachers of medicine, master's degree indicated 9.09%, residency - 90.91%. 100% satisfied with the organization of the educational process. The university observes ethics and subordination completely agree 100%. 100% of respondents are completely satisfied with the organization of work and workplace. There is an opportunity for career growth and competence development for teachers in the organization - 100% fully agree. In this educational institution, teachers have the opportunity to do scientific work and publish the results of research – 100% completely agree.

Salary is fully satisfied with 72.73%, more yes than no - 27.27%. 81.82% of respondents are completely satisfied with the work of the personnel service, and 18.18% are partially satisfied. 100% of respondents indicated that they underwent advanced training during this year. It is believed that the discipline taught is provided with sufficient resources 90.91%, partially - 9.09%. 100% fully agree that they can be implemented as professionals. Personally participated in the development of the EP, which

is taught by 90.91%, 9.09% of teachers were elective subjects. 90.91% assessed the timely fulfillment of applications for the purchase of methodological and didactic materials, office equipment, 9.09% indicated that they were not related to this.

On a question whether the higher education institution supports the teacher in participation in the international and republican actions, 63,64% answered that travel, accommodation, registration fee is paid, 18,18% noted that find sponsors, 9,09% noted that any expenses aren't paid, 9,09%- on this question don't address. 100% of respondents indicated that students have free access to patients on the clinical bases of the university and to the resources of the practice bases.

The publication activity in points from 0 to 5 was evaluated as follows: 1-0%, 2-9.09%, 3-36.36%, 4- 54.55%, 5- 9.09%. 72.73% indicated the existence of social programmes to support teachers, 18.18% indicated that they did not, 9.09% did not know about it. The management and administration systematically listen to the opinion of teachers – 90.91%, sometimes – 9.09% of respondents. The teachers answered about the use of various methods of teaching as follows: lectures-72.73%, oral analysis of the topic of the lesson-81.82%, rewriting of thematic information from monographs-18.18%, quite often analysis of situational problems (81.82%), work in small groups (72.73%), problem-oriented training (54.55%), solution of tests (81.82%), cases are solved (63.64%), written completion of tasks (45.45%).

81.82% fully agree that this survey will be useful for developing recommendations for improving the university and educational residency programmes, 18.18% partially agree with this. 81.82% were involved in the work of the internal commission on self-assessment of the EP, 9.09% were engaged in technical support before meeting with members of the external commission, 54.55% of respondents participated in writing sections of the self-assessment report, 27.27% collected information for annexes to the self-report.

During the survey, 63.64% of respondents would like to be experts of the Eurasian Center for Accreditation and Quality Assurance of Education, 27.27% were not interested in this issue.

Regarding the question of completeness of study of all issues during the work of the external expert commission, 63.64% answered in the affirmative, taking into account the previous stage of self-assessment, 72.73% indicated that the commission is studying the main issues, 63.64% also noted in the affirmative, taking into account the saturation of the visit programme, 63.64% were satisfied with the inclusion in the questionnaire programme with stakeholders.

Among the most important measures of external evaluation, respondents indicated interviews with graduates of programmes - 18.18%, interviews with employers - 9.09%, 72.73% indicated that all components of the external evaluation procedure are important.

**Conclusions:** the results of the survey showed that the vast majority of teachers surveyed are satisfied with the organization of the educational process, note the opportunity for career growth, scientific activity, participation in international conferences. Pupils are actively involved in the process of self-assessment of the educational programme, use in the educational process teaching methods corresponding to the level of residency. Proof of commitment to quality assurance of EP is the practice noted in the questionnaire of applying the results of feedback from residency graduates and employers as an evaluation of EP. The faculty noted the importance of conducting an external evaluation of the EP, with a preliminary self-assessment, and were satisfied with the components of the visit programme.

## **5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the educational programme in the specialty "Oncology and Hematology for Children"**

### **Standard 1: MISSION AND END OUTCOMES**

#### **Evidence of compliance:**

#### **1.1 Mission statement and deliverables**

The mission of the educational programme of the Residency in the specialty "Oncology and Hematology for Children" is based on the mission of JSC "SCP&PS" - aimed at serving society through the training of competitive specialists in the treatment, preservation and strengthening of people's health, improvement of health care through the integration of advanced educational, scientific and medical technologies.

The mission of the educational programme (EP) in the specialty "Pediatric Surgery" is aimed at implementing the mission of the Center by training qualified doctors in the specialty "Pediatric Surgery", who have a system of universal knowledge and professional competencies, capable and ready for independent professional activity in the treatment of surgical diseases in children.

As a result of meetings and interviews with teachers, employers, residents of the educational programme, it was possible to establish that based on the principle of the trinity of education, science and clinics, taking into account the patient-centered approach, graduates will be able to work independently in the cardiac surgery departments of multidisciplinary hospitals or scientific clinical centers.

The mission of the EP is brought to the attention of all employees of the center, residents by placing in the center and on the website of the organization (<https://pediatria.kz/homepage/missiya-videnie-tseli.html> web page "About the Center").

The study of the documentation showed that the content of the mission of the educational programme of the residence in the specialty "Oncology and Hematology for Children" is based on the analysis of the needs of public health and the medical care system. Given the high need for qualified and specialized medical care for children with oncological and hematological pathology, as well as the shortage of pediatric oncologists and hematologists in the country, this EP of the Residency was developed. Within the framework of the existing need for qualified specialists in the field of Oncology and Hematology for Children both in Almaty and Almaty region, and throughout the Republic of Kazakhstan, the mission of the EP was formulated. The content of the mission and the educational programme in general were presented to external stakeholders, discussed at the Academic Council, Minutes of Meeting No. 6 dated October 11, 2021.

### **1.2 1.2 Professionalism and professional autonomy**

Visiting the clinical base, attending an open class, meetings with teachers and residents allowed us to see that, following a patient-centered approach in the clinical process, while maintaining the need for assistance, each resident develops an individual level of such quality as professionalism. The formation of professionalism is formed on the basis of direct on-the-job training, where residents face clinical situations of various levels of complexity, learning from the experience of senior colleagues, and thereby building their own model of behavior.

Based on the Law on Education of the Republic of Kazakhstan, where the autonomy of higher and postgraduate education organizations is enshrined, which gives the right, on the basis of standard rules, orders, etc. The university and NLA determine independently the development of the educational programme, assessment, selection and admission of residents, selection of teachers, employment conditions and allocation of resources.

The Regulations on Residency reflect the rights of residents, the implementation of which is facilitated by the Department of Science and Education. Freedom of expression of the resident's opinions on their education is usually ensured through anonymous questionnaires, which are carried out centrally, under the supervision of the DQCME. Analysis of feedback on training satisfaction is reported at the departmental meeting.

In the course of interviews with residents, it was established that the freedom of practical and research activities is realized through the work of residents, where under the guidance of a department employee, work is carried out in research work, subsequent analysis and interpretation of data, and then writing an article or thesis.

Residents can send their suggestions and comments on the organization of the educational process (class schedule, etc.), the curriculum for elective disciplines, the list of elective disciplines, the



library fund and other issues directly related to the learning process to the blog of the director, the "box of complaints and proposals", the "hotline".

Based on the results of the commission's work, a plan of measures to eliminate complaints is being developed.

### **1.3 Learning outcomes**

The final training results presented in the MEP in the specialty "Oncology and Hematology for Children" are aimed at the formation of a qualified specialist in the field of Oncology and Hematology for Children, able to work as an oncologist and hematologist of children and provide specialized assistance at the consultative and diagnostic, inpatient-replacement and inpatient levels.

The final results of training in the specialty of residency "Oncology and Hematology for Children" were formed on the basis of the State Standard of Education and Science of 2020.

When formulating the final results of training, the Key Competencies of the SCES were taken as the basis (Appendix – 1.7 EP KC 1-6), Levels of knowledge of clinical competencies (PD, DT, E, P, etc.) and Levels of knowledge of practical skills, manipulations, procedures (1-4). Each of these items is prescribed and applied to nosologies (ICD-10) studied in the residency in priority training of a specialist.

For example, KC-1 - (DT - Able to diagnose and treat patients without the help of a team (team work), DTT - Able to diagnose and treat, working together with a team (team), E - Able to identify an emergency situation and provide emergency care, P - Able to apply preventive measures (primary, secondary, tertiary prevention).

The skills of professional behavior; proper behavior and attitude to patients and their relatives, resident colleagues, teachers, other health care workers (KC-2) are formed on an ongoing basis by conducting conversations, participating in trainings conducted by the staff of the department, a 360-degree questionnaire.

The SCP&PS pays considerable attention to compliance with the standards of conduct, the "Code of Honor of the teaching staff and employees of the SCP&PS" (Appendix 6), as well as the Academic Honor of Students. This mechanism includes: familiarization of employees and students with the provisions of internal regulatory documents, requirements for the organization of the educational process, the main directions of work of structural units, the rules of the internal order of the Center, etc.; creation of a corporate culture based on equality of rights and duties of employees and students, respect for their personal dignity.

The Code of Business Ethics is based on the principles of corporate social responsibility. Students in the SCP&PS are guided by universal moral and ethical principles, and observe corporate culture. The SCP&PS does not tolerate manifestations of ethnic strife, religious extremism, nationalism and corruption offences. Academic competence of the center teachers contributes to supporting the further development of students' commitment to the continuous development of professional competencies, scientific knowledge, the principle of confidentiality of patient-related information.

Since the EP is focused on the expectation of the employer and the needs of the labor market, coordination of the elements of the EP, CED is carried out with employers. Employers, members of professional associations are involved in the review of EP, participation in the discussion of the results at the meetings of the commission on quality assurance of EP.

### **1.4 Participation in the formulation of the mission and final results**

All staff members and their units participated in the development of the SCP&PS mission. Administrative and clinical staff note the need for synergy between research, education and clinical activities to achieve the SCP&PS Mission. The representatives of the main stakeholders are involved in the formulation of the mission and objectives of the SCP&PS by participating in extensive discussions and discussions. The mission and vision of the SCP&PS are discussed at meetings of the Academic Council, whose members are the administration of the Center, heads of departments, researchers, teaching staff and residents of the Center. At the meeting of the Scientific Council No. 4 dated August 22, 2019, the last adjustment in the principles of trinity was approved – science, practice,

education (Appendix 8). At the level of the SCP&PS, obtaining an external assessment for the mission of the EP is carried out when:

- involvement of members of independent professional associations, employers, administration of clinical bases in the review of educational programmes;
- monitoring the satisfaction with the work of residents at clinical bases;
- when receiving feedback from employers on SCP&PS graduates.

***Conclusions of the EEC on the criteria.*** Compliant with 17 standards: full – 17.

***Standard 1: Implemented***

***Recommendations for improvement identified during the external visit: none***

## **Standard 2: EDUCATIONAL PROGRAMME**

### **Evidence of compliance:**

#### **2.1 Postgraduate programme framework**

The educational programme in the specialty "Oncology and Hematology for Children" was developed in accordance with the SCES and the Model Curriculum: Order of the Minister of Health of the Republic of Kazakhstan dated February 21, 2020 No.647 RK DSM-12/2020 (<https://adilet.zan.kz/rus/docs/V2000020071>). The order was registered with the Ministry of Justice of the Republic of Kazakhstan on February 27, 2020 No. 20071. The standard curriculum for specialty "Oncology and Hematology for Children" provides for 2-year residency training. In accordance with the SCES, the structure of the EP consists of a mandatory component (132 credits) and a component for choice (4 credits) and obtaining a qualification – a pediatric oncologist-hematologist, which also meets the requirements of the SCES of the Ministry of Health of the Republic of Kazakhstan No. 647 dated 21.02.2020. Mandatory disciplines/modules reflected in the document, as well as the university component by choice, are formed in the educational programme in the specialty 7R01106 "Oncology and Hematology for Children". Also, 2 credits for interim certification and 2 credits for final certification are allocated. Thus, the labor input for the training of a pediatric oncologist and a hematologist is 140 credits.

In accordance with the classifier, the graduate, upon completion of the educational programme of the residency "Oncology and Pediatric Hematology", will receive the relevant document on the specialty and qualifications of a pediatric oncologist and hematologist, in accordance with the order of the Ministry of Health of the Republic of Kazakhstan "On approval of the lists of clinical specialties of training in internship and residency" with amendments and additions dated May 31, 2019 No. KR DSM-89.

When drawing up the training path, the sequence of passing modules/disciplines was observed, taking into account pre- and post-requisites, the content of which is aimed at achieving knowledge, skills and abilities, ensuring a step-by-step approach in their study.

All conditions of training are provided by systemic, continuous content, consistent development of all competencies, depending on the specialty, takes into account the logic of academic interrelation of disciplines, their continuity. The model of the educational programme based on the established learning outcomes of residents and the qualifications they receive is also ensured by the transparency of training. Residents and teachers are informed about the necessary competencies that both students and teachers acquire. This takes place in a context of transparency and awareness of the successes of the residents. The EP of the residence meets the international requirements and the 8th level of the national framework of qualifications in medical education and the Structure of qualifications in the European Higher Education Area. Under article 28 of the Education Act, propaganda for racial, ethnic, religious and social intransigence and exclusivity and the dissemination of militaristic and other ideas contrary to the generally recognized principles of international law and humanism are prohibited in the SCP&PS. Chapter 2 of the Code of Honour of the faculty and staff of the SCP&PS engaged in educational activities states: "To respect the traditions, customs and languages of all peoples living in Kazakhstan" (annex 6). Chapter 3, paragraph 19, of the Code of Business Ethics of the SCP&PS states

that no form of discrimination against employees in personnel decisions shall be permitted. The Code of Student Honour states that the resident is guided by universal moral and ethical principles and considers manifestations of inter-ethnic differences and religious extremism to be inadmissible. No direct or indirect restrictions may be imposed on the basis of sex, race, nationality, language, social origin, property status, place of residence, attitude to religion, beliefs, membership of voluntary associations or any other circumstances. The fundamental corporate values on which the activities of the center are formed are: reliability and professionalism, decency, labor efficiency, mutual respect.

At the same time, the final results of training in the residency are based on the demands of practical health care and the requirements of regulatory documents of the Republic of Kazakhstan.

## **2.2 Scientific method**

Scientific research is a mandatory component of training and implies the 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 CQAES of the Ministry of Education and Science of the Republic of Kazakhstan. Thus, the article "Clinical and diagnostic features of histiocytosis from Langerhans cells" of residents Karimova K and Tulenbetova A was published in the journal of the licensed RSCI, the article "The effectiveness of modern methods of therapy of acquired aplastic anemias" of residents Basbay G and Nurymbetova A was published in the Russian journal "Bulletin of Science and Education", the article Karimova K "Clinical case of German-Pudlak syndrome" was published in the Moscow journal "Internauka". Conducting research, making presentations and publishing is positively assessed when evaluating the resident portfolio.

Knowledge of the basics of evidence-based medicine is mandatory in the process of studying in the residency in the specialty "Oncology and Hematology for Children". The EP provides for training of residents in critical assessment of literature, articles and scientific data through the writing of abstracts, presentations in accordance with the thematic plan of the discipline, essays on current problems of diagnosis and treatment of the most common diseases.

## **2.3 Content of the residency programme**

The core disciplines of the mandatory component of the 7R01123 "Pediatric surgery" EP are aimed at theoretical and practical training of residents in the field of clinical sciences and preventive medicine, making clinical decisions, communication skills, patient safety issues. Improvement of knowledge and skills in the field of medical ethics, public health, responsibility for one's own health, laid down at the undergraduate level, is carried out directly during practical training with the help of mentors. More complex issues of medical jurisprudence and forensic medicine, knowledge of complementary and alternative medicine develop in the course of discussing various approaches to non-standard situations in the course of discussing clinical cases, analyzing situations, studying the experience of other colleagues.

The development of clinical skills and professional attitude to work is facilitated by the participation of residents in the real activities of the doctor: supervision of patients at the inpatient level, outpatient reception, medical conferences, registration of medical documentation, work in medical information systems (KMIS, AIS), work with regulations, duty, preparation of reports, presentations, formation of a portfolio that provides a visual example of a professional attitude to work in a medical organization and interprofessional communications of specialists of various profiles and levels.

In addition, changes to the EP are made taking into account the needs of employers and practical health care, respectively, employers can make changes that affect the introduction of additional disciplines of the component of choice.

## **2.4 Programme structure, content and duration**

The duration of the educational programme in this specialty "Oncology and Hematology for Children" is 2 years of study.

In accordance with the SCES, the EP consists of a mandatory component (132 credits) and an optional component (4 credits). The list of profile disciplines and their scope in credits included in the mandatory component is reflected in Table 2, paragraph 2.3.1.

Also, 2 credits for interim certification and 2 credits for final certification are allocated. Thus, the labor input for the training of a pediatric oncologist and a hematologist is 140 credits.

Syllabus for the SCES reflects the required competencies of 2 years of training, includes a list of rotations. As they progress through the disciplines, residents rotate by departments: oncology and hematology 1, 2, 3, 4, bone marrow transplantation department, day hospital department, oncology and hematology profile resuscitation department, as well as topics on premarital hematology, residents in the specialty "Oncology and pediatric hematology" are held on the basis of hematology departments of CCH No. 2 and ARCCCH. The full academic load of one academic year corresponds to at least 70 academic credits (2,100 academic hours) in one academic year. One academic credit equal 30 academic hours. The academic year includes one academic period ending with an interim assessment (or final assessment at the end of the course). Holidays are granted to students once during the school year, the total duration of which is at least 5 weeks, with the exception of the final course.

Training in the residency includes classroom work, independent clinical work under the guidance of a teacher/clinical mentor and the student's own independent work (hereinafter – IWS). The amount of classroom work is 10% of the volume of each discipline, independent clinical work under the guidance of a clinical mentor – 75%, IWS – 15%.

In accordance with the SCES, the curricula maintain the ratio of the volume of disciplines depending on the duration of training. The EPs are designed in such a way that theoretical training is integrated with the practice vertically (from teacher to student, from senior resident to junior resident) and horizontally.

## **2.5 Organization of training**

The Deputy Chairperson of the Management Board for Scientific, Clinical and Innovative Activities is responsible for the educational activities of the SCP&PS. Compliance of clinical bases with accreditation requirements is carried out by specialized accreditation agencies and reflected in the relevant documents.

Training at the SCP&PS residency is carried out on the basis of its own clinic. The clinic has 285 beds (5 per day hospital and 5 per bone marrow transplant department). In addition to pediatric, surgical, cardiac, urological beds, there are 4 departments of oncology and hematology, where children from all regions of the Republic of Kazakhstan receive treatment. To ensure the educational process for patients whose profile is not available in our clinics, contracts are concluded with third-party clinical bases.

In order to provide educational services in the profiling disciplines according to the SCES, which are not available on the basis of the SCP&PS, contracts have been concluded with third-party organizations to provide a clinical base for the training of doctor's resident, as well as with individuals to provide educational services on a reimbursable basis. 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.

## **2.6 Relationship between postgraduate medical education and health care**

Mentoring is carried out on the basis of the Regulation on Mentoring approved by the order of the Chairperson of the Board (Appendix 10). The Academic Policy for the 2020-2021 academic year, approved on 30.07.2020 (Appendix 3), stipulates the appointment of curators. Every year in September, by order of the chairperson of the board, curators are appointed in the residency. No more than 2 residents are assigned to each curator. Curators are responsible for academic counselling of the student. Clinical mentors are responsible for clinical work and accompany the student in departments at the clinical base. Curators and mentors in the course of daily work give specific recommendations for further improving professional skills, mastering the standards of medical ethics and deontology, improving the general education and cultural level. The mentor is a practical health care doctor who

has the first/ highest category and at least 5 years of work experience, which contributes to the mastery of practical skills by residents.

Relations between residents and doctors are based on the principles of mutual support. When an approach is adopted that involves careful discussion of specific cases from practice and free communication between healthcare professionals at different levels and profiles, the likelihood that the patient's needs will be perceived and met is much greater.

Compliance with the requirements of practical health care and a well-established process of interaction with the employer makes it possible to train specialists in demand in practice. As a rule, several clinical bases with a multidirectional organization of the level of care allow residents to adapt to the conditions of practical health care, improving competencies.

***Conclusions of the EEC on the criteria.*** Compliant with 30 standards: full – 30.

***Standard 2: Implemented***

***Recommendations for improvement identified during the external visit: none***

### **Standard 3: ASSESSMENT OF STUDENTS**

#### **Evidence of compliance:**

##### **3.1 Methods of evaluation**

When analyzing the documentation, the EEC experts established that the methods of assessing residents in the center for all specialties of the residency there is a unified policy for assessing residents, including in the specialty "Oncology and Hematology for Children". The assessment of educational achievements is carried out in accordance with the directive, regulatory and internal documents: Law of the Republic of Kazakhstan "On Education" dated July 27, 2007 No. 319-III (as amended and supplemented 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 SCP&PS.

Regulation of the SCP&PS on the current monitoring of students' academic performance, interim and final certification. The system for monitoring the academic achievements of residents at the University includes: current and milestone performance monitoring, interim certification of residents and final state certification.

- Routine control - evaluation by evaluation sheet, checklist. All types of current control according to the checklist (practical classes, seminar classes, IWRT, IWR) and midterm control are calculated according to a 100-point system.
- Intermediate certification – the average score of exams in theoretical knowledge and practical skills in the completed disciplines is derived. The list of mandatory disciplines for the final control during the interim certification is regulated by the completed disciplines, which are reflected in the WEPI.
- The final state certification is carried out in 2 stages: knowledge assessment (comprehensive testing in all disciplines and skills assessment (mini-clinical examination at the patient's bedside).

EEC experts confirmed that the criteria for passing examinations or other types of assessment, including the procedure for retaking in the residency, are reflected in the "Regulations on residency", according to which if the discipline of the SA or FDS is not mastered by less than 50%, the resident re-acquires the discipline in the summer semester on a paid basis.

There were no such cases during the training on this EP.

A student of the residency who has completed the training programme and completed the individual curriculum is allowed to the Final Assessment. The final assessment is carried out in accordance with the final results of training and includes two stages:

1) knowledge assessment (computer testing); 2) skills assessment.

If the results of the assessment of knowledge and skills under the programme are positive, the

resident is issued with a residency certificate. Also, this data is the basis for issuing a specialist certificate. This provision is described in the educational programme in the specialty 7R01106 "Oncology and Hematology for Children".

Leading specialists from practical health care and medical universities of the Republic of Kazakhstan are involved as chairperson and members of the SAC during the FSA of the residents of the SCP&PS. In 2017, Candidate of Medical Sciences, Associate Professor S.I. Sydykova – Dean of the Faculty of Postgraduate Education was the chairperson of the SAC of Residency Graduates. In 2018, the SCP&PS did not issue a residency certificate, and in 2019 and 2020, by orders No. 118-0 of 26.06.2019 and No. 169-0 of 03.07.2020, the composition of the FSA was approved under the chairmanship of Dr. M. Nugmanova, Head of the Department of Pediatric Disciplines, invited from the Kazakh-Russian Medical University, with a course of pediatric infectious diseases of the KRMU.

The Academic Policy of the EP SCP&PS specifies the procedure for appeal based on the principles of fairness and compliance with legal requirements in the chapter.

The portfolio serves as a basis for forming the characteristics of a resident and obtaining recommendations for further employment. Portfolio evaluation is carried out according to checklists developed by the department employees.

The compliance of control and measuring instruments with teaching methods and the specifics of the curriculum is monitored by a committee of educational programmes (CEP), which includes experienced methodologists and expert testologists.

Also, the experts of the EEC confirmed that the examination of the examination material, the analysis and approval of the tests uploaded to the platform, as well as the analysis and approval of the format and number of stations during the practical skills examination are constantly carried out at the center.

### **3.2 Relationship between evaluation and training**

During the visit to the university, the EEC members confirmed that the methods of assessing residents are comparable with the methods of teaching and learning and cover the assessment of all the competencies of students both during practical classes and during examinations.

Differentiated assessment methods are used to assess different learning outcomes, so theoretical knowledge is mainly assessed by testing, and practical skills are assessed using assessment sheets for each section of the practical work.

During the conversation with residents in the specialty "Oncology and Hematology for Children" it was established that the achievement of the results of training stated in the EP is carried out due to a significant number of thematic patients and a large volume of surgical interventions on specialized clinical bases, as well as constant advice from a clinical mentor or teacher. Residents are provided with the necessary access to both the management of patients and participation in operations, manipulations, all types of medical documentation, participation in consultations and clinical debriefings with colleagues of related specialties, work in a multidisciplinary team.

*The conclusions of the EEC meet the criteria of 11 standards: 11 in full.*

*Standard 3: Implemented*

*Recommendations for improvement identified during the external visit: none*

## **Standard 4: STUDENTS**

### **Evidence of compliance:**

#### **4.1 Admission and Selection Policy**

During the visit, EEC experts established that the Mission of the educational programme in the specialty 7R01106 "Oncology and Hematology for Children" corresponds to the Mission of JSC "SCP&PS".

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 for the current academic year, a document presenting a system of measures for monitoring the effectiveness of the internal quality assurance system (Appendix 3).

The rules for admission, training, assessment, transfer, recognition and qualification taking into account the specifics of medical education and the SCP&PS are regulated in the Academic Policy for Residents, based on the NLA, according to which the previous level of education of persons wishing to master the educational programmes of the residency: basic medical education, higher medical education, internship.

The programme of entrance examinations to the residency is formed by the staff of the center by specialties, approved by the SC and posted on the website. Counseling of applicants for residency is carried out by the Department of Education and Science of the SCP&PS. An examination commission is formed, which includes the most experienced, qualified teachers of the center who have an academic degree in the specialty of the applicant, NGO representatives and employers are invited as observers.

Admission of citizens to the residency is carried out on a competitive basis on the basis of the results of entrance examinations. Entrants to the residency take the entrance exam in the specialty. When admitting to the residency, the applicant's personal achievements, the results of research work, etc. are also taken into account.

On the website of the SCP&PS (<https://pediatria.kz/press-sluzhba/rezidentura.html>) there are information materials on admission - a list of documents, programmes for admission; guidebook, academic policy, catalog of elective disciplines, academic calendar, schedules. The page is available to an external user. *According to* the "Academic Policy of the SCP&PS", in the case of the same scores, the preferential right for enrollment is given to persons with the highest grade in the specialty, the scientific achievements corresponding to the profile of the chosen specialty are taken into account: publications, certificates of scientific development, certificates of award of scientific scholarships, grants, diplomas/diplomas for participation in scientific conferences and competitions, the level of English that teachers can determine when interviewing.

#### **4.2 Number of residents**

The number of residents admitted is regulated by the State order of the Ministry of Health of the Republic of Kazakhstan for the training of medical personnel and taking into account the possibilities of clinical, practical training, the maximum permissible load on the teaching staff of the center, the availability of educational, methodological and scientific literature, as well as material and technical resources of the Center.

Since JSC "SCP&PS" became a part of "KazNMU", since 2019, all residents by state order enter "KazNMU", in connection with which there has been no new admission since the 2019 academic year.

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. DSHR In accordance with the submitted request, the DSHR allocated the State order for training of medical personnel in residency.

Deputy Chairperson of the Board for Scientific, Clinical and Innovative Activities of the National Centre for Pediatric Hematology, Candidate of Medical Sciences L.N. Manzhueva, being the Chief Freelance Pediatric Oncologist and Hematologist of the Ministry of Healthcare of the Republic of Kazakhstan, possesses available information on the health needs of the Republic of Kazakhstan by oncologists and pediatric hematologists, including consideration of a balanced recruitment of residents in accordance with the gender, ethnic and social characteristics of the population.

Completion of the programme in accordance with the disciplines is carried out on the basis of the latest world recommendations, multicenter research data, advanced educational technologies are used. An important part of the educational process is the training of communication skills, patient safety standards to prevent unintentional incidents.

#### **4.3 Resident support and advice**

During the conversation of the EEC experts with resident oncologists and pediatrics

hematologists, it was established that safe conditions for training of residents were created and provided in the SCP&PS. To protect the interests of residents, assist them in educational, scientific, and non-curricular activities, the SCP&PS provides various services for the organization of counselling, psychological, social, and medical support for students. During the conversation with residents, it was revealed that the university provides financial support to residents in need of material assistance.

EEC experts confirmed that experienced teachers and professors are involved in the consultation. In addition, before the beginning of each semester, the group teacher informs his/her residents about the schedule of his/her work, the time when residents can seek advice on this discipline.

For personal growth and development, sports and creative events, the team has a sufficient resource base (Internet, 100% coverage of the WIFI center territory, library, computer classes, reconstructed and improved areas of the center buildings). The study rooms are equipped with projectors, a screen, a video wall, and all the necessary office equipment.

The implementation of educational programmes in the specialty of the residency "Oncology and Pediatric Hematology" will be ensured by the free access of each resident to information resources and library collections (see Standard 6 "Educational Resources"), the availability of methodological manuals and recommendations for all modules, disciplines and all types of educational work.

In order to develop the intellectual level of the residents of expanding knowledge in various scientific fields, the residents of the SCP&PS take an active part in the annual International Scientific and Practical Conference for doctoral students, undergraduates and residents held by the center. Trust boxes are posted in the SCP&PS to provide students with the opportunity for anonymous feedback. Residents are involved in the work of student self-government, where emerging problems are also solved.

#### **4.4 Representation of residents**

EEC experts confirmed that 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 EP, access to which is available by posting on the website of the Center.

Issues, documents related to the educational process and educational materials on residency 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.

At the meeting of the Academic Council No.9 dated September 28, 2017, the candidates from 6 residents were discussed for inclusion in the composition of the SC. Residents' presentations were heard in the form of presentations, the opinions of the heads of departments, faculty members were heard, within the framework of the voting of the members of the Board of Directors and the staff of the center, the Academic Council included residents in the Board of Directors in the specialty "Oncology and Hematology for Children" in 2020 Yeginbergenov Dinara and in 2021 Darkhanov Aidon. 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. To this end, questionnaires have been introduced at the center, including questions on the schedule, methods of training and evaluation, conditions of training in clinics, availability of methodological and information and communication materials, relationships with teachers. 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. When visiting the experts of the EEC scientific center, it was confirmed that the surgical unit collects feedback from residents at the stage of mastering the taught discipline (at the end of studying the discipline), as well as on issues related to training / work conditions, problem situations. Also, the Center introduced supervision of senior course residents over junior course residents.

#### **4.5 Working conditions**

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, in extracurricular time.

During the visit to the clinical base, the experts of the EEC established that residents have unrestricted access to patients, all types of medical equipment and to all departments of clinical bases. In the center there are offices for conducting theoretical classes with residents, there is a separate room for changing clothes, for eating, etc.

During the training, residents of the specialty "Oncology and Pediatric Hematology" actively participate in consultations, MDG, medical conferences, pathoanatomical conferences, clinical debriefings, master classes, scientific and practical conferences.

The study load of residents is planned in accordance with the Law of the Republic of Kazakhstan "On Education". The schedule of classes from 08.00 to 17.00 hours is regulated by the EP, developed on the basis of the 2017, 2020 SCES, sanitary and epidemiological rules and standards, curricula and recommendations of health and education authorities.

Work in the residency is the main and dominant duty of the resident.

In the EP, the balance of all types of activities was observed: inpatient care, work in the reception area, work in outpatient and polyclinic conditions. The resident's duty schedule is drawn up, according to the schedule and training at clinical bases. Residents with work experience can be provided with an individual learning path (with rotation by department), and the choice of an elective discipline also affects the learning path.

***Conclusions of the EEC on the criteria.*** Compliant with 30 standards: full – 30.

***Standard 4: Implemented***

***Recommendations for improvement identified during the external visit: none***

## **Standard 5: FACULTY**

### **Evidence of compliance:**

#### **5.1 Recruitment and Selection Policy**

According to the RoK SCES-2020, persons assigned to resident doctors to master the necessary theoretical and practical skills are appointed from among the teaching staff and /or practical health care workers with a degree, first or higher qualification category, having the appropriate training in the field of medical

The activities of specialists engaged as faculty members and employees of the SCP&PS are carried out in accordance with the rules of internal labor regulations and job descriptions approved by the director of the center. The composition of teachers and clinical mentors is approved by the Chairperson of the Management Board of the Company or a person authorized by him annually, taking into account a new admission for the relevant academic year. In accordance with the programme for the development of the Centre, the Centre's personnel policy is being implemented taking into account the Centre's goals and objectives.

The main indicators characterizing the specialists involved as teaching staff for residents are the following characteristics: the presence of an academic degree and title, scientific and pedagogical experience and seniority in the position held, activity in scientific-methodical and research work, etc. 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".

## **5.2 Teachers' obligations and development**

One of the conditions for ensuring the quality of teaching is the planning of the teacher's workload. Taking into account the specifics of the SCP&PS, the specialists of the center are assigned disciplines in the profile, contracts with other educational organizations are concluded for the mastering of related and basic disciplines. A portfolio of teachers, a schedule and an outline of lectures approved by the Chairperson of the Board of the SCP&PS have been developed and are being filled in. Each year, at the beginning of the school year, each teacher signs a "Teacher Honor Code", which outlines the rules of conduct of the center's teacher, taking into account the mission and vision

In the course of the EEC experts' conversation with the representatives of the management personnel, it was established that the personnel policy of the SCP&PS on personnel development is to plan, develop incentives and reward for achievements in the work. The types of incentives and the procedure for their application are determined by the legislation of the Republic of Kazakhstan.

One of the priority areas for the development of the teaching staff of the SCP&PS is the improvement of the level of pedagogical skills. The TS of SCP&PS has the opportunity to undergo various scientific and practical trainings and internships in the best world centers (USA, South Korea, Germany, Czech Republic, Lithuania, Austria) and continue to cooperate with colleagues from the National Medical Research Center for Pediatric Hematology, Oncology and Immunology named after Dmitry Rogachev (Russia), the Republican Scientific and Practical Center for Pediatric Oncology, Hematology and Immunology (Republic of Belarus), the Scientific Center for Cardiovascular Surgery named after A.N. Bakulev (Moscow), the Scientific and Practical Medical Center for Pediatric Cardiology and Cardiac Surgery of the Ministry of Health of Ukraine (Kiev), with specialists in cystic fibrosis of Istanbul (Turkey) and others. Also, master classes with the participation of foreign specialists are held annually in the center. A variety of incentives are used to provide moral and material incentives to SCP&PS employees. Bonuses for employees are paid based on the results of work for the year.

One of the traditional forms of improving pedagogical skills is the attendance of each other's classes. To assess the quality of classes objectively, a special questionnaire for satisfaction with the quality of training was developed, the results of feedback are discussed at the general meeting of the SC at the end of the academic year.

Appropriate conditions are created for the full professional development and realization of creative needs of each category of employees: providing an opportunity to improve qualifications at the expense of the SCP&PS; creating conditions for the use of computer and office equipment, technical means of training, other equipment in the work; facilitating participation in Kazakhstan and international competitions of scientific works and competitions for obtaining individual grants; publishing methodological developments of employees. Thus, for 5 years (2017-2021), 9 methodological recommendations and 2 teaching aids were published in the specialty "Oncology and Pediatric Hematology", as well as a review in the RCHD, EMD of REMC and the publication of which was carried out at the expense of the center's budget. The advance promotion is realized with the growth of scientific qualifications. Nomination for participation in city and republican commissions is carried out.

*Conclusions of the EEC on the criteria.* Compliant with 7 standards: full – 7.

*Standard 5: Implemented*

*Recommendations for improvement identified during the external visit: none*

## **Standard 6: EDUCATIONAL RESOURCES**

### **Evidence of compliance:**

#### **6.1 Logistics and equipment**

The material and technical base of the SCP&PS includes: 2 conference rooms, 5 study rooms, a library, a simulation classroom, access to information technologies, clinical and paraclinical departments.

The classroom fund is represented by five classrooms, with a total area of 168.1 sq.m. The classrooms are fully equipped for seminar/practical classes, they have the necessary cabinet furniture, technical means of training, including personal computers. The capacity of the classrooms ranges from 10 to 20 seats. For lectures, 2 conference rooms (134.4 sq.m and 100.8 sq.m) are used, equipped with personal computers, projectors and special screens. Continuous work is being carried out to improve the IT-technologies and infrastructure of the center. Uninterrupted operation of the Internet throughout the center has been ensured, a local computer system has been created.

The SCP&PS clinic operates in 2 buildings, the main building was built in 1984, the built-up area is 49,681 sq. m, the total area is 13,681.8 sq. m, the central ones are hot water supply, water supply, sewerage, electric lighting, heating, exhaust ventilation system, catering unit 317.6 sq. m, 1 freight and 1 passenger elevator. In December 2011, a new building of the SCP&PS with a built-up area of 3,646.2 sq.m., a total area of a medical building of 16,082.4 sq.m., with central communications, a system of laminar flows in intensive care units, operating units, a department of hematopoietic stem cell transplantation (HSC), a food unit of 484.5 sq.m., 3 passenger, 2 freight elevators, a general ventilation system, a system of medical gases (oxygen, carbon dioxide, nitrogen), a fire alarm with a voice alarm system, cable television and a cafeteria with a total area of 113 sq.m., the SCP&PS has a scientific and medical library with a reading room. The main task of the library is to provide full and prompt library and information-bibliographic services to doctors, residents, undergraduates, doctoral students, researchers, teachers, students of advanced training courses, etc. in accordance with information requests on the basis of wide access to any funds. Readers of the SCP&PS library have access to electronic databases: Springer, MEDLINE, Complete, Pubmed, BMJ. There is a simulation room in the SCP&PS.

The Centre's administration, in order to continuously improve the material and technical base, allocates from the budget the necessary funds, which are spent on: capital and current repairs, technical equipment for educational, scientific and information activities, purchase of furniture and educational equipment, maintenance of engineering communications and networks of buildings and structures and registration of buildings and structures.

## **6.2 Clinical Bases**

The main specialized disciplines for residents in the specialty "Oncology and Hematology for Children" are carried out on the basis of the clinical departments of the SCP&PS. To supervise patients with benign hematological pathology and manage them at the outpatient level and at the primary level, residents practice in the hematology department and dispensary of the CCH No.2 in Almaty, as well as in the hematology department and the ARCCCH polyclinic. In the hematology departments of the CCH No.2 of Almaty for 25 beds and the ARCCCH for 20 beds, specialized medical care is provided to children under 18 years of age in an emergency and planned manner.

Experts confirmed that the center cooperates closely with the Almaty Regional Blood Center, as well as with the Scientific Center of Pediatrics and Pediatric Surgery.

In addition, the discipline "Radiation Therapy in Oncology and Hematology for Children" is held at the base of JSC "KRIOR" in the Department of Dosimetry and Physical and Technical Support of Radiation Therapy.

All clinics have a wide profile of oncology and hematology departments for children, which allows residents to see and supervise a sufficient number of patients with a variety of pathologies corresponding to the cycle of disciplines. Clinics where residents practice form a patient-centered style of work aimed at ensuring the safety of patients, their correct identification, effective communication, improving the safety of examination and treatment, reducing injuries, and compliance with successive treatment.

## **6.3 Information technology**

The SCP&PS has modern server stations. They provide information security for the operation of

the center's network, the work of registered users with e-mail, as well as open access to educational information resources of the Internet for all teachers and students from any computer included in the telecommunication network.

In the preparation of educational and methodological literature, teachers use the educational resources of the library (electronic textbooks, electronic manuals, scanned educational literature), the Internet, as well as the results of their own scientific and research activities.

There is also an opportunity to hold conferences, meetings, and classes in a remote format in the SCP&PS. For this purpose, special programmes Moodle, Microsoft teams 365, Zoom are used, which provide free communication of teachers and residents through the Internet. To ensure efficient document management, the SCP&PS has implemented a Documentologist, which integrates and organizes all the processes of the center's structural divisions in an automated manner. Since 2020, the SCP&PS has concluded a contract with IS "DamuMed". All employees of the center have access to this IT.

#### **6.4 Clinical Teams**

Every day, resident oncologists and paediatric hematologists participate in joint rounds with mentors, consultations, MDGs, and consultations with other specialized departments. Residents themselves also hold seminars on topical problems of clinical medicine, where the students are both students at all levels, as well as healthcare and teaching staff.

Coherence skills with colleagues and other health care professionals of trainees and residents are developed during the examination, treatment of the patient, and especially when providing emergency care to patients.

#### **6.5 Medical Research and Advances**

Scientific studies of the staff of the departments of the center are the basis of scientific work in residents on the topics "Aplastic anaemia in children", "Malignant neoplasms in children under one year", "Endoprosthetics in osteosarcomas", "FISH studies in the diagnosis of Burkitt's lymphoma", "Clinical and laboratory features of histiocytosis in children", "Analysis of the results of treatment of retinoblastoma in children according to the SCP&PS", "Clinical and diagnostic features of children with myelodysplastic syndrome", "Diagnosis of structural chromosomal abnormalities in children with acute leukemias" and others. In recent years, the indicators of scientific activity developed and recommended by the Republican Center for Health Development (RCHD) of the Ministry of Health of the Republic of Kazakhstan have improved.

Taking into account the fact that the SCP&PS is a scientific and practical center, the scientific developments of the center are regularly used by residents and faculty members in the provision of medical care to children.

#### **6.6 Education expertise**

In order to ensure the quality of educational programmes in the SCP&PS, an educational and methodological council was created, which includes teachers, from among the leading clinical workers of the centers, administrative and management personnel, the management of the SCP&PS.

In addition, according to the requirements of national accreditation, the center has a quality management system service to monitor clinical performance and minimize medical errors, including students, which in turn improves the quality of training of resident doctors.

Evaluation and approval of educational programmes, modules is carried out at the EMC.

The tasks of the SCP&PS provide for the development of educational activities. The goals of the educational programme are interrelated with the development of a quality culture in the center. Control over the quality of the implementation of educational programmes is carried out in accordance with the plan of internal audits and the orders of the department of science and education of the deputy chairperson of the board for scientific, clinical and innovative activities of the SCP&PS.

During the examination, it was revealed that the criteria for assessing the EP 7R01106 "Oncology and Hematology for Children" were not developed.

#### **6.7 Training in other institutions**

Within the framework of supporting international cooperation, exchange of resident doctors, exchange of experience in the field of medical education, including training, seminars for specialists and residents, memoranda have been concluded with foreign clinics.

SCP&PS cooperates with international organizations of education and science: Motol University Hospital (Czech Republic), Suncheonhyang University Hospital (Korea), Memoranda signed. In 2017, Memoranda of Understanding were signed between the SCP&PS and 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 and Practical Medical Center for Pediatric Cardiology and Cardiac Surgery of the Ministry of Health of Ukraine (Kyiv. Memoranda with KazNMU, KazMUNO (until 2021), NSCS, KROR, SCOGP have been signed from national universities and centers.

Experts found that there is no jointly developed programme 7R01106 "Oncology and Hematology for Children" with universities partners.

***Conclusions of the EEC on the criteria. Compliant with*** 21 standards: fully -19, partially - 2.

***Standard 6: Implemented***

***Recommendations for improvement identified during the external visit:***

1. Develop criteria for evaluating the educational programme 7R01106 "Oncology and Hematology for Children" to ensure expertise at all stages of implementation.

2. Develop an educational programme "Oncology and Hematology for Children" in cooperation with partner universities.

## **Standard 7: PROGRAMME EVALUATION**

### **Evidence of compliance:**

#### **7.1 Monitoring and evaluation mechanisms**

Having analyzed the educational programme in the discipline "Oncology and Hematology for Children", the experts of the EEC established that the internal system for ensuring the quality of education in the SCP&PS is provided by the Department of Science and Education and the Department of Management and Quality. Assessment and improvement of EP is carried out with the participation of all stakeholders, which include leading teachers, experts in the field of medical education, employers, as well as students.

The Deputy Chairperson of the Management Board for Scientific, Clinical and Innovative Activities manages, organizes, coordinates the work of all divisions and is responsible for the implementation of educational programmes.

This activity is carried out in accordance with the regulatory documents of the Ministry of Health of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan, as well as internal regulatory documents: 1) Laws of the Republic of Kazakhstan "On Education", "On Science"; 2) Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 On approval of state mandatory standards and standard professional curricula for medical and pharmaceutical specialties, as amended in 2020; 3) "Standards and recommendations for guaranteeing the quality of higher education in the European space", developed by the European Association for Quality Assurance of Higher Education ENQA; 4) Charter. It is also noted that the programme in the specialty "Oncology and Hematology for Children" does not monitor innovative teaching methods.

#### **7.2 Feedback from teachers and residents**

The Center has introduced a system for monitoring the quality of the educational programme by studying feedback from students, students, teachers, employers and applying the results of feedback analysis to improve educational programmes. Feedback contains information about various aspects of the educational process, information about unfair practices or improper behavior of teachers or students. Work on providing feedback to students is carried out through questionnaires, meetings. "

According to the regulation, the questionnaire is carried out on a regular basis (twice a year) in accordance with the work plan for monitoring the quality of the educational process for the current academic year. The main principles of surveying consumers of educational services provided by the Center are:

1. Compliance of the content of the questionnaires with the strategic goals and objectives of the Center.
2. Anonymity of participation.
3. Systematics and consistency of questionnaire procedures.
4. Use of standardized interview procedures and criteria.
5. Continuity.
6. Informativeness.

The questionnaire is carried out according to the following types: "Teacher through the eyes of students", "Satisfaction of students with the conditions and results of training" , "Satisfaction with infrastructure", "Satisfaction of a graduate with the quality of training", "Questionnaire of a freshman". The survey is conducted online through Google, as well as on paper. The coverage of respondents in different questionnaires ranged from 45% to 75%.

Based on the results of the survey "Teacher through the eyes of students", a report and a reference for each teacher with the assessment of students is drawn up. In the 2020-2021 academic year, references for teaching staff were prepared.

The materials of the survey of all interested parties (students, employers, teachers) are discussed at the Academic Council and an analytical report on the results of the survey is considered. The data of the report are analyzed, compared with the real facts, the cause-effect relationships are clarified and then a decision is made to make changes to the organization of the educational process, EP.

For the purpose of feedback, the Center conducts annual surveys of employers. Thus, an assessment of the degree of satisfaction of employers with graduates of the Center is carried out to determine the compliance of the educational programme with the real requirements of the labor market, the opportunities for its improvement, as well as the degree of compliance of the competencies of graduates with positions in the work place.

### **7.3 Results of Residents and Graduates**

An important role in the evaluation of the educational programme is played by the results of the final certification of residents carried out at the testing stage by the National Center for Independent Examination, as well as the results of certification examinations conducted by the Committee for Control of Medical and Pharmaceutical Activities of the Ministry of Health and Social Development of the Republic of Kazakhstan.

In the specialty "Oncology and Hematology for Children", the final state certification is planned to be carried out in 2 stages: determination of the level of theoretical training in the disciplines in the form of testing; certification of practical skills with a standardized patient.

### **7.4 Stakeholder Engagement**

At SCP&PS, due representation of stakeholders in the assessment of the processes and final results of resident training programmes is observed. Involvement of stakeholders in the programme of monitoring and evaluation of educational programmes in the Center is provided by the authorized bodies in the field of education and health care (MoH of the Republic of Kazakhstan), professional organizations, representatives of the public, as well as persons and structures responsible for postgraduate education: NCIE – an independent assessment of the knowledge of residents is carried out; employers, which include medical institutions of the regional health departments of the Republic – are responsible for creating an effective system for promoting the employment and adaptation of graduates to the labor market, compiling feedback from doctors on the results of the field practice of residents; representatives of the committee for the control of medical and pharmaceutical services and representatives of practical health care are involved as members and examiners of the state certification commission for the final certification of graduates, participate in their distribution.

The programme evaluation process involves all stakeholders (faculty, residents, employers) through representation in the relevant structures. The work of all structures that ensure the implementation and evaluation of the educational programme is regulated by the strategic development plan of the Center, annual plans and reports of the Center. The results of the assessment shall be heard at the meetings of the Board of Directors.

### **7.5 Procedure for Approval of Educational Programmes**

The educational programme in the specialty "Oncology and Hematology for Children" was developed in accordance with the State Standard Educational Standard and the Standard Curriculum for this specialty.

The Center has developed mechanisms for the approval of educational programmes, which provide for the evaluation of programmes at the stages of planning, implementation, analysis of results and implementation of changes, which allows monitoring the process of implementation of educational programmes and the progress of residents, and ensures the identification and timely solution of emerging problems.

The examination is carried out according to the approved SOP "Formation, discussion of educational programmes (EP). Discussion, approval and documentation of educational programmes takes place at the meetings of the Academic Council, where mechanisms for updating the organizational structure, the management structure of educational programmes are discussed and developed, the composition of the examination commissions is approved.

*Conclusions of the EEC on the criteria. Compliant from 15 standards: fully -14, partially -1, non-compliant - 0*

*Standard 7: Implemented*

*Recommendations for improvement identified during the external visit:*

1. Ensure the monitoring of innovative teaching methods in the educational programme 7R01106 "Oncology and Hematology for Children".

## **Standard 8: GOVERNANCE AND ADMINISTRATION**

### **Evidence of compliance:**

#### **8.1 Management**

The guarantee of the implementation of the "Oncology and Hematology for Children" educational programme is its strict compliance with the requirements of regulatory rules regarding the admission of residents (selection criteria and number), the learning process, assessment of knowledge and skills, established learning outcomes, programme management, which are regulated in the Republic of Kazakhstan by regulatory legal acts of the Ministry of Health of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan. Internal documents of the university are developed on the basis of republican normative acts.

Graduates of the residency in the specialty "Oncology and Pediatric Hematology", who have successfully passed the FSA, are awarded the qualification of a doctor – oncologist and pediatric hematologist and are issued with a state-issued document - a certificate of completion of residency, in accordance with the order of the Ministry of Education and Science of the Republic of Kazakhstan dated January 28, 2015 No. 39 "On approval of types and forms of documents on education of the state sample and the Rules for their issuance", Article 5 of the Law of the Republic of Kazakhstan "On Education" dated July 27, 2007. On the basis of the certificate of completion of residency in the specialty "Oncology and Hematology for Children", graduates can receive a certificate of a specialist without examinations.

All activities for the implementation of the EP are carried out under the direct control of the Center's administration. The chairperson of the board, deputy chairperson for scientific and clinical work constantly monitor the availability of the education department with the necessary resources. The Center's administration regularly conducts interviews with faculty members and residents.

In the Center, transparency of management and decision-making is guaranteed. All decisions in JSC "SCP&PS" in relation to management, finance are made collegially and approved by the Board of Directors. Corporate governance is the basis for transparency in the work of management and its decisions. The participation of teaching staff in the management of the SCP&PS is ensured by the opportunity to be elected to the collegial management bodies. The procedure for the election of collegial governing bodies and their competence are determined by the Regulations and the Charter of the SCP&PS. Collegiate management bodies, each at its own level and within the limits of its competence, decide on various issues of the activities of the SCP&PS, its structural units: approve long-term and current work plans; hear reports of departments (divisions, sectors).

The collegial governing bodies of the SCP&PS are: the Board of Directors of the National Centre for Pedagogical and Hydrometeorological Sciences, the Academic Council, the Educational and Methodological Council, the Local Ethical Commission, the Council of Young Scientists and the Disciplinary Council. Through the decisions of these bodies, the TS can influence the development strategy of the SCP&PS, its branches, make various proposals for improving or reorganizing processes addressed to the Chairperson of the Board and the Academic Council. Residents and teachers are members of the SC and the "Council of Young Scientists", where they can participate on an equal footing in the discussion and resolution of all issues.

### **8.2 Academic Leadership**

The department of science and education is the structural subdivisions of the Center responsible for the control and management of the educational process in the specialties of the residency, including the specialty "Oncology and Hematology for Children". The department is managed by the head of the department, appointed to the position and dismissed by the order of the Chairperson of the Management Board in the manner prescribed by the current labor legislation and internal regulatory documents of the Center, on the proposal of the Deputy Chairperson of the Management Board for scientific, clinical and innovative activities. The main purpose of the department is to carry out continuous organizational, coordination and administrative work aimed at achieving the goals and objectives set for the Center.

Structural subdivisions in the implementation of their activities are in cooperation with the department of science and education on the improvement of scientific activities, publishing activities of teaching staff. Responsibilities and duties of the Center's employees engaged in educational activities are determined by the Job Descriptions. Also annually, the Board of Directors, the Management Board of the Center conducts an analysis of the achievement of strategic goals based on the monitoring of targets and indicators, assessment of their strengths and weaknesses (SWOT analysis), on the basis of which the Board of Directors and the Management Board of JSC "SCP&PS" define a quality assurance policy, develop strategic and operational plans, provide information for effective management in relation to the achievement of the mission of residency programmes, indicators for educational activities and expected learning outcomes.

### **8.3 Training budget and resource allocation**

Determining the financial and economic policy of the SCP&PS and the management structure of the center is the responsibility of the first head of the center – the Chairperson of the Board of JSC "SCP&PS".

The Center allocates resources necessary for the implementation and realization of educational programmes and distributes educational resources in accordance with the needs. The Center's budget for science and education is formed from the republican budget (state order for training of personnel for postgraduate education, development of scientific research, transfers). The financing of the residency programme depends on the formation of an annual state order. Every year, the Government of the Republic of Kazakhstan approves a state educational order for the training of specialists with higher and postgraduate education, in accordance with which the financing of programmes, in particular residency in the specialty "Oncology and Hematology for Children" is determined.

Experts found out that the center plans to introduce and implement the EP of the residence in the specialty "Oncology and Hematology for Children" on a paid basis.



#### **8.4 Administration and Management**

The hierarchy of the Department of Education is reflected in the structure of the center, in which the teaching staff in the specialty "Oncology and Hematology for Children" reports to the Department of Science and Education under the supervision of the head of the Department of Science and Education, which is subordinated to the Deputy Chairperson of the Board for Scientific, Clinical and Innovative Activities, and the Deputy in turn reports to the Chairperson of the Board, and the Chairperson of the Board of Directors – the Sole Shareholder - MoH RoK. <https://pediatria.kz/homepage/struktura-tsentra.html>. The hierarchy of educational activities is also reflected in the Regulations of the Department of Science and Education.

The Center has a clinical audit, management and quality service, as well as a Quality Council, which conduct regular internal and external reviews and audits, including those that provide educational processes. The Clinical Audit, Management and Quality Service reports to the Chairperson of the Management Board and reports with an analysis of the current situation and corrective measures are provided directly to the Chairperson of the Management Board.

The system of internal assessment, monitoring of the teacher's work and achievement of the intermediate and final result of educational programmes is carried out through certification of teaching staff in all types of activities. An external review is carried out by the DSHR and RCHD, which annually request data on ranking indicators among scientific centers implementing postgraduate education programmes, as well as when passing accreditation.

#### **8.5 Requirements and regulations**

The Center determines and approves the educational programme in the specialty "Oncology and Hematology for Children" according to the State Standard of the Ministry of Health of the Republic of Kazakhstan No.647 dated June 30, 2019. The approval of the programme is carried out in close cooperation with all stakeholders. The structure and content of the WEPI correspond to the SCES in the specialty "Oncology and Pediatric Hematology", the discipline programmes are developed at the proper scientific and methodological level. The sequence of studying residency disciplines is built using the system of pre- and post-requisites.

*Conclusions of the EEC on the criteria. Compliant with 15 standards: fully – 15.*

*Standard 8: Implemented*

*Recommendations for improvement identified during the external visit:*

#### **Standard 9: CONTINUOUS RENEWAL**

##### **Evidence of compliance:**

The SCP&PS always strives to respond to changing internal and external conditions in a timely manner. In order to continuously improve the postgraduate educational process in accordance with the best practice of world educational management, taking into account the needs of practical health care of the Republic of Kazakhstan, university regularly initiates the review and updating of processes.

To implement a competence-oriented model of medical education and ensure continuous improvement of the quality of the educational process, there are structures – the department of science and education, the Scientific Council, the Council of Young Scientists.

A convincing example of the process of continuous improvement of approaches to the implementation of educational programmes of the residency is the active participation of stakeholders (primarily, representatives of employers) in the formation of an educational strategy that reflects the social responsibility of the Center for the development of advanced innovative technologies in practical medicine and science, the use of advances in information and communication technologies, as well as the improvement of public health.

To eliminate the documented shortcomings in its activities, the Center provides for: changing the organizational structure of the units involved in the educational process; changing the current regulations on the organization, planning and implementation of the educational process; personnel changes; adjusting the curricula, teaching materials; adjusting the used educational methods, test bases

and introducing new ones; improving the qualifications of teaching staff; material, technical and information equipment of the educational process; stimulating highly qualified effective work of teaching staff; organizing additional work with underachieving residents.

***Conclusions of the EEC on the criteria.*** Compliant with 4 standards: fully - 4.

***Standard 9: Implemented***

***Recommendations for improvement identified during the external visit: none***

**Recommendations for improving the educational programme of the residency in the specialty "Oncology and Pediatric Hematology":**

1. Develop criteria for evaluating the educational programme 7R01106 "Oncology and Hematology for Children" to ensure expertise at all stages of implementation. (6.6.1)
2. Develop an educational programme "Oncology and Hematology for Children" in cooperation with partner universities. (6.7.4)
3. Ensure the monitoring of innovative teaching methods in the educational programme 7R01106 "Oncology and Hematology for Children". (7.1.5)

## 7. Recommendation to the ECAQA Accreditation Council

The members of the EEC came to a unanimous opinion to recommend to the Accreditation Council to accredit the educational programme specialty "Oncology and Hematology for Children" of JSC "Scientific Center of Pediatrics and Pediatric Surgery", corresponding to the Standards of accreditation of educational residency programmes of medical educational organizations for a period of 5 years

### Chairperson of the External Expert Commission

Zhanalina Bakhyt Sekerbekova

### Foreign expert

Lazareva Elena Pavlovna

### National Academic Expert

Tukbekova Bibigul Toleubaevna

### National Academic Expert

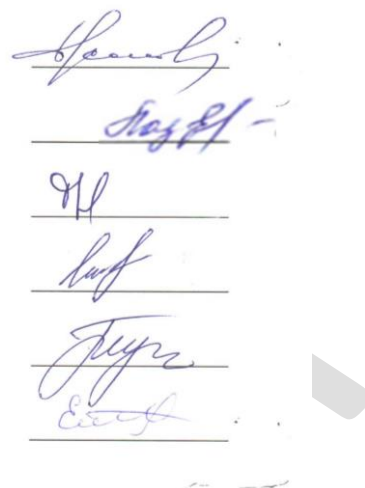
Kabildina Nailya Amirbekovna

### Expert - representative of employers

Tulendieva Asel Tayaubaeвна

### Expert - representative of residents

Yesengali Nazerke



Handwritten signatures of the commission members, corresponding to the list of names on the left. The signatures are written in blue ink on horizontal lines.

ECAQA

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

Standard	Evaluation Criteria	Number of standards	Estimation		
			Fully compliant	Partially compliant	Not compliant
1	MISSION AND END OUTCOMES	17	17		
2	EDUCATIONAL PROGRAMME	30	30		
3	ASSESSMENT OF STUDENTS	11	11		
4	STUDENTS	30	30		
5	FACULTY	7	7		
6	EDUCATIONAL RESOURCES	21	19	2	
7	PROGRAMME EVALUATION	15	14	1	
8	GOVERNANCE AND ADMINISTRATION	15	15		
9	CONTINUOUS RENEWAL	4	4		
	<b>Subtotal:</b>	<b>150</b>	<b>147</b>	<b>3</b>	
			<b>150</b>		

**List of documents studied by the members of the EEC within the framework of specialized accreditation of the "Oncology and Hematology for Children"**

<b>№</b>	<b>Names of documents</b>	<b>Quantity</b>	<b>Date of approval</b>
<b>1</b>	Articles of Association	1	Order of the Acting Chairperson of the State Property and Privatization Committee of the MF RoK No.737 dated July 25, 2018
<b>2</b>	Organizational structure of the center	1	By the decision of the Board of Directors No.12 dated December 23, 2021.
<b>3</b>	Regulations on the Academic Council	1	SC No. 5 dated September 18, 2019 At the Board Meeting No.7 dated 28.10.2019.
<b>4</b>	Regulations on the Department of Science and Education	1	Dated 02.09.2019
<b>5</b>	Minutes of approval of the main methodological materials on STP	6	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 SC No. 5 dated September 18, 2019
<b>6</b>	Protocol that attests to the approval of the mission and educational programmes	1	No.4 dated 22.08.2019.
<b>7</b>	Regulations on conducting advanced training, seminars and training modules in additional education	1	No. 5 dated 25.07.2019
<b>8</b>	Approval of the educational programme	3	Minutes of the meeting of the Academic Council No.6 dated October 11, 2021
<b>9</b>	Approval of the mission of the educational activities of the SCP&PS	3 (in Kazakh, Russian, English)	Minutes of the meeting of the Academic Council No.2 dated 19.05.2022
<b>10</b>	Memorandums with foreign organizations	9	Russian Federation, Moscow – June 2012 USA, Tennessee 25.11.2019 Czech Republic, Prague 12.10.2017 Russian Federation, Moscow 9.10.2017 Republic of Belarus, Minsk – 2017 Republic of Korea, Puchon 2014 Uzbekistan – November 2019 Uzbekistan – November 2019 Ukraine - May 2021
<b>11</b>	Resident Portfolio	4	Folder 2020-2021

<b>12</b>	Resident scientific work	1 Folder	Folder 2020-2021
<b>13</b>	TS documents (portfolio)	14	Folder 2017-2021
<b>14</b>	test tools – tests, situational tasks, examination cards, syllabuses	3 Folders	No.2 dated 19.05.2022 EMC No. 1 dated May 16, 2022
<b>15</b>	Testimonials for CMS	10	2020, 2021, 2022
<b>16</b>	Reviews on EP	9	2022
<b>17</b>	Catalog of elective disciplines	for 3 specialties	dated 30.07.2020 No.2 dated 19.05.2022
<b>18</b>	SOP FSA, Credit Recalculation, Current Control, Interim and Final Certification	4	No. 2 dated 27.05.2020, No. 3 dated 04.06.2020, No. 3 dated 06.05.2021 No.2 dated 19.05.2022
<b>19</b>	Questionnaires and results of a survey of employers and students on the modification of educational programmes and satisfaction with the educational process	2 Folders	No.6 dated 11.10.2021
<b>20</b>	Code of Honor of the faculty	1	No. 3 dated 25.07.2019
<b>21</b>	Code of Student Honor	1	No. 3 dated 25.07.2019

**Visit PROGRAMME of the External Expert Commission (EEC) of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care" (ECAQA) of JSC "Scientific Center for Pediatrics and Pediatric Surgery" (SCP&PS) within the framework of specialized (residency programme) accreditation  
address: 146 Al-Farabi Ave., Almaty  
external evaluation dates: 15 June – 17 June 2022**

Time (s)	ACTIVITY	REMARK:
<b>14.06.22</b>	<b>Arrival of EEC members</b>	
<b>Day 1 – 15.06.2022 (Wednesday)</b>		
8:45 AM	<b>Gathering of EEC members in the SCP&amp;PS</b> (Almaty, str. Al-Farabi 146). Venue – new building, 1st floor, small conference hall.	Transport, meeting and escort
9:00-9:20 (20')	<b>Meeting of the EEC members:</b> discussion of the goals, objectives of the external examination, the programme and schedule of the visit to the SCP&PS. Distribution of responsibilities among the members of the EEC. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Small conference hall, new building
09:20-09:50 (30')	<b>Meeting with the management of the SCP&amp;PS</b> Acting Chairperson of the Board, Candidate of Medical Sciences Manzhuova Lyazzat Nurbapaevna Deputy Chairperson of the Board for Strategic Development Tashenov M.B. Head of Science and Education, PhD Bazarbayeva A.A. Head of the pediatric unit, Candidate of Medical Sciences Abdilova G.K. Head of the surgical unit c.m.s. Khairov K.E. Scientific Secretary, Candidate of Medical Sciences Shakhmetova K.S. <u>The content of the meeting:</u> introduction of the EEC members, familiarization with the objectives of the visit, interviews with the management of the SCP&PS on the issues of the strategy for the development of postgraduate education, the mission of the center and educational programmes, involvement in the development of stakeholders, assessment of health care needs for personnel in accredited specialties, international cooperation. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Ibid.  <i>Standards 1,8,9</i>
09:50-10:40 (50')	<b>Meeting with the Head of Science and Education Bazarbayeva A.A., Scientific Secretary Shakhmetova K.S., Methodists Ryskeldieva G.S. and Osmanova M.T.</b> <u>Content of the meeting:</u> Presentation of the educational activities of the SCP&PS. Interview with employees responsible for educational programmes, formation of state order by specialty, admission and recruitment of students (residents); Functions of the department (Regulation). Nomenclature of cases. Resident Assessment Policy (Academic Policy). Resource endowment. Competencies of residents, assessment of residents, employment of graduates, planning, development, approval and monitoring of the quality of educational programmes, educational and methodological documentation. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRiZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Ibid.  <i>Standards 2,3,4,7,9</i>
10:45-11:30 (45')	<b>Meeting with leading researcher Professor K. O. Omarova, chief researchers M. N. Sharipova, P. K. Ishuova, MD, Head of Science and Education A. A. Bazarbayeva, Scientific Secretary K. S. Shakhmetova</b> <u>The content of the meeting:</u> the scientific directions of the SCP&PS, the integration of	Ibid.  <i>Standards 1,4,5,6,7,8</i>

	<p>science and education, the system of motivation and participation in the research of teachers, the effectiveness of research, ensuring the implementation of research by residents.</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	
11:35-13:00	<p><b>Visit to the resident training base (oncohematology, pediatrics, pediatric surgery)</b>            Head of the Pediatric Unit, Candidate of Medical Sciences G.K. Abdilova,            Head of the Surgical Unit, Candidate of Medical Sciences K.K. Khairov,            Head of Science and Education, Candidate of Medical Sciences A.A. Bazarbayeva            The content of the meeting: provision of resources for clinical practice and work of residents and students of NPR programmes, cooperation with third-party clinical bases, joint events, mentoring in residency, representation of residents.</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p>Departments , CDL, X-ray diagnostics, library</p> <p><i>Standards 1,2,6,9</i></p>
13:00-14:00	<b>Lunch break</b>	
14.00 – 14.40 (40')	<p><b>Interviews with residency graduates.</b>            Sadykov Daniyar, Ramazanova Kuralay, Pak Anara, Iminzhinov Ruslan, Rakhimzyanova Alina, Dogomanova Ainur.</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p>Small conference hall, new building</p> <p><i>Standards 4,7,9</i></p>
14.45 – 15.25 (40')	<p><b>Interviews with residents.</b>            Residents - Kakharova Nargiz, Batyrbayeva Daria, Darkhanov Aidos, Nurtleuova Ayaulym.</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p>Ibid.</p> <p><i>Standards 3,4,7</i></p>
15.30 – 16.10 (40')	<p><b>Interviews with Resident Teachers/Mentors</b>            The content of the meeting: the mission and values of the organization, the contribution of teachers and mentors, the provision of resources for clinical practice and the work of residents, mentoring in the residency (Regulations, lists), the representation of residents in advisory bodies. Omarova K.O., Sharipova M.N., Ishuova P.K., Bazarbayeva A.A., Abdilova G.K., Zhumadullaev B.M., Sarsenbaeva G.I., Aktarov K.M., Bulabaeva G.E., Pankova O.S.            Responsible person: <i>Shakhmetova K.S.</i></p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p>Ibid.</p> <p><i>Standards 5,6,7,9</i></p>
16:15-16:55 (40')	<p><b>Interviews with employers of residency graduates (online).</b>            Asanova N.U., Elshibekova Zh.R., Baigabylova N.S.</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p>Ibid.</p> <p><i>Standards 2,4,6,7,9</i></p>
17:00-17:45 (45')	<p>Study of documentation on the residency programme: EP, syllabuses, individual plans of residents, resident portfolios, examination materials, results of resident assessment (protocols, statements, etc.)</p> <p><b>Connect to the zoom conference</b>  <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>            Conference ID: 662 758 5840. Access code: 123456</p>	<p><i>Standards 2,3,6,7</i></p>
17:45-18:00 (15')	<p><b>EEC meeting:</b> discussion of evaluation results, exchange of views Summing up the first day of the visit.</p> <p><b>Connect to the zoom conference</b></p>	<p>Ibid.</p>



	<a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	
18:00	Completion of the 1st day of the EEC visit	
<b>Day 2 – 16.06.2022 (Thursday)</b>		
8.45	<b>Gathering of EEC members in the SCP&amp;PS</b> (Almaty, str. Al-Farabi 146).	New housing 1st floor, small conference hall
9:00-9:15 (15')	<b>Meeting of EEC members.</b> Discussion of the 2nd day of the visit. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Ibid.
09.15- 09.45 (30')	<b>Meeting with managers responsible for personnel policy</b> <u>The content of the meeting:</u> personnel policy regarding the recruitment of teachers for residency programmes, the programme of motivation and development of teachers, training, evaluation of teachers, funding of residency programmes, provision of programmes with appropriate resources (equipment, textbooks), motivation to perform research, etc. Responsible persons: <b>Manzhuova L.N., Tashenov M.B., Bazarbayeva A.A., Kabiev A.T.</b> Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	<i>Standards</i> 5,7,8,9
9.50 – 10.30 (40/100)	<b>Attendance at the seminar</b> in the specialty: "Oncology and Hematology for Children". Teacher Tulebayeva A., subject: "Differential diagnosis of diseases with hemorrhagic syndrome". Assessment of the provision of classes with relevant educational and methodological documentation. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Training room No.2 "SCP&PS" <i>Standards</i> 2,5,6,7,9
10.35 – 11.10 (35')	<b>Visit to the simulation room</b> Practical skills training and assessment of residents in the simulation room in the specialties of educational programmes. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	<i>Standards</i> 2,6,7
11:10- 11:55 (40')	<b>Attendance at a seminar in the specialty "Pediatrics"</b> - "Pediatrics" teacher T.V. Marshalkina, subject: "Diagnostic criteria and clinical manifestations of cystic fibrosis in children"; Assessment of the provision of classes with relevant educational and methodological documentation. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Training room No.2 <i>Standards</i> 2,5,6,7,9
11.55- 12.15 (20')	<b>Meeting with representatives of the financial sector</b> <u>Content of the meeting:</u> assessment of financial and resource conditions for the implementation of educational programmes. Manzhuova L.N., Tashenov M.B., Kubenova D.Zh., Kharitonov M.V. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Small meeting room <i>Standards</i> 5,7,8,9
12.15- 12.35 (20')	<b>Quality management system for the implementation of educational programmes.</b> Meeting with employees: Manzhuova L.N., Slobodenyuk E.B., Sharipova M.N., Bazarbayeva A.A., Shakhmetova K.S. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a>	Ibid. <i>Standards</i> 7,8,9

	Conference ID: 662 758 5840. Access code: 123456	
12.35-13.00 (20')	EEC <b>meeting</b> : discussion of evaluation results, exchange of views	
13:00-14:00	<b>Lunch break</b>	
14:00-15:30 (90')	Visit to CCH No.2 (distr. 2, pr. Altynsarina 54 ) and the city polyclinic No.7 (Bukhar Zhyrau Boulevard 14), additional interview with teachers: on children's infections – Dr. med. Katarbayev Adil Kairbekovich, on Dr. med. Serikbayeva Kagaz Sultangaliyevna, on the disciplines of emergency surgery and purulent surgery Dr. med. Kapanov Kapan Tursynovich. <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	<i>Standards 2,5,6,9</i>
15:30-16:00 (30')	Interviews with the staff of the SCP&PS upon request of the EEC members. <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Small meeting room
16:00-17:00 (60')	Study of the residency programme documentation. Examination of documentation at the request of the members of the EEC. Responsible persons: <b>Bazarbayeva A.A., Shakhmetova K.S.</b>	Ibid.
17:00-17:30 (30')	EEC meeting. Summing up the results of the second day of the visit. <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Ibid.
<b>Day 3 – 17.06.2022 (Friday)</b>		
8.45	<b>Gathering of EEC members</b>	
9:00-10:30 (90')	Design of EEC reports, development of recommendations for improving the implementation of residency programmes. <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Connect to the zoom conference <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Small conference hall, new building
10:30-12:00 (90')	Final discussion of the results of the external specialized assessment of educational programmes of the SCP&PS residence for compliance with accreditation standards. Completion of the Quality Profile and assessment criteria for compliance with the ECAQA accreditation standards by each member individually. Discussion of recommendations for improvement and final vote on recommendations for SCP&PS Final vote on the recommendations for the ECAQA Accreditation Council. <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Ibid.
12:00-12:30	Familiarization of the management of the SCP&PS with the results of the work of the EEC, recommendations for improving the educational programmes of the residence <b>Connect to the zoom conference</b> <a href="https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09">https://us04web.zoom.us/j/6627585840?pwd=cjdkVFJpcTVsOFhTUTRtZlRPMTREUT09</a> Conference ID: 662 758 5840. Access code: 123456	Large conference room
12:30-13:00	Completion of the work of the external expert commission of ECAQA. Signing of documents.	
13:00	Departure of EEC members	