



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

# REPORT

on the results of the work of the external expert commission for the  
evaluation educational programs 7R01123 Pediatric surgery and  
7R01146 Urology and andrology, adult, pediatric  
for compliance with the requirements of specialized  
accreditation standards  
non-profit joint stock company  
"Family Medical University"  
May 30 to June 1, 2023

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING  
EXTERNAL EXPERT COMMISSION**

Addressed to  
Accreditation  
Council IAAR



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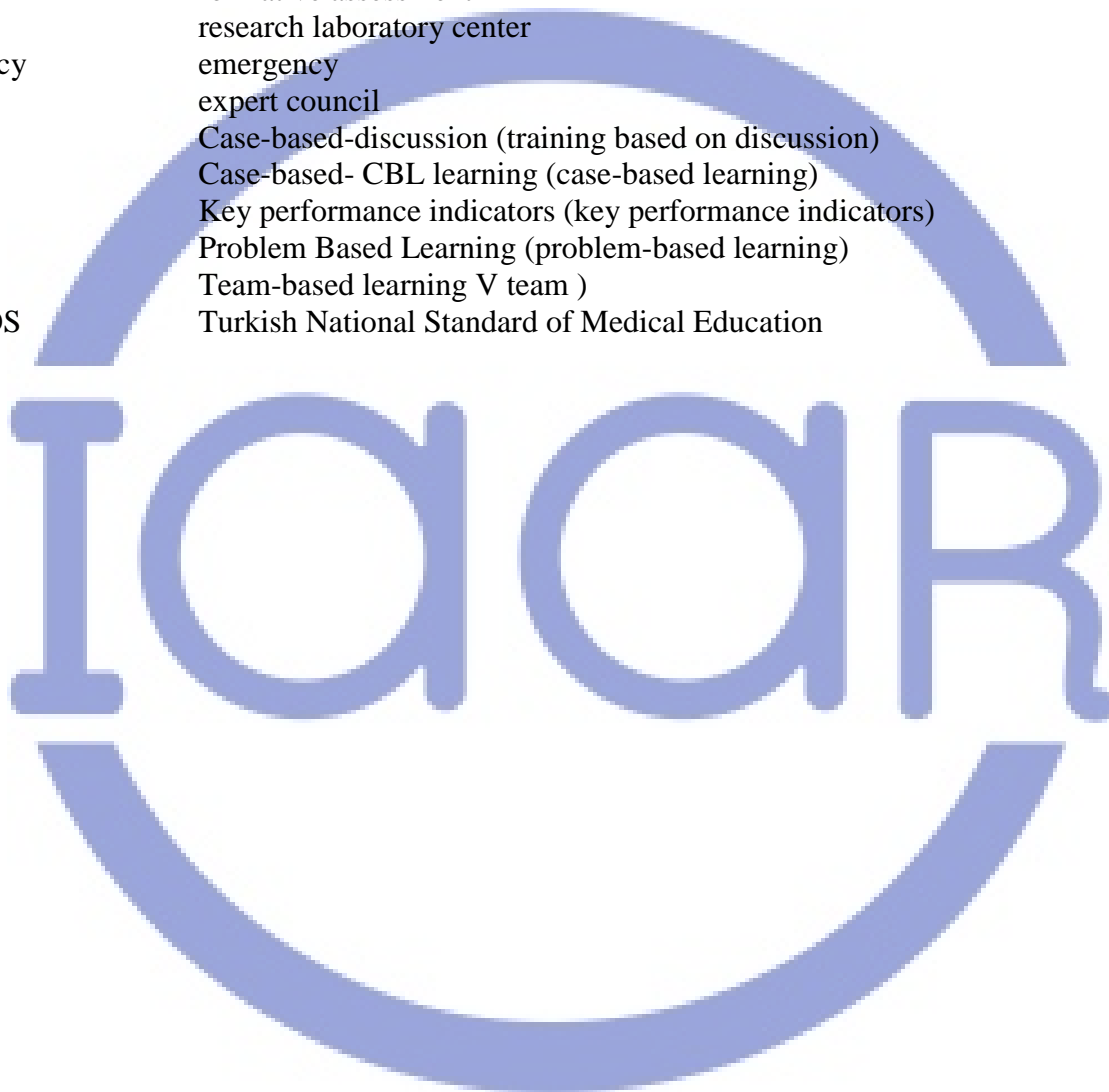
**Semey**

**01 June 2023**

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

AIS	automated information system
AK	academic committee
ASUUP	automated educational process management system
AUP	administrative staff
BSMP	emergency hospital
IN TO	East Kazakhstan region
WHO	World Health Organization
university	institution of higher education
GAK	State Attestation Commission
GO	civil defense
GOSO	State obligatory standard of education
DNCR	Department of Science and Human Resources
ESUVO	unified higher education management system
healthy lifestyle	healthy lifestyle
IGA	final state certification
IOD	final assessment of the discipline
IPRP	teacher's individual work plan
IEP	individual study plan
ELISA	linked immunosorbent assay
HF	optional component
KGP on PVC	communal state enterprise on the right of economic management
KIS	control and measuring system
KIIS	integrated medical information system
KOP	committee of educational programs
health care facility	medical institution
MH RK	Ministry of Health of the Republic of Kazakhstan
MIO	local executive bodies
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MOO	medical education organization
MTB	material and technical base
NJSC "MUS"	Non-profit joint-stock company "Semey Medical University"
research institute	Research Institute
NII RM&E	Research Institute of Radiation Medicine and Ecology
research	research work
NPA	legal act
NCNE	National Center for Independent Examination
SARIT	department of anesthesiology, intensive care and intensive care
OK	main component
OKKMO	department of quality control of medical education
OO	organization of education
OP	educational program
ODA	residency educational program
OSKE	objective structured clinical exam
OSPE	objective structured practical exam
PDO	postgraduate education
teaching staff	faculty
PCR	polymerase chain reaction
RB	security mode
RUP	working curriculum
RUPL	working curriculum
mass media	mass media

QMS	Quality Management System
SO	summative assessment
SRR	independent work of a resident
SRRP	independent work of a resident with a teacher
TSO	technical training aids
TUP	model curriculum
TUPL	model curriculum
UG	university hospital
UZ JSC	health department of Abay region
UMKD	educational and methodological complex of the discipline
UML	educational literature
FD	formative assessment
TsNIL	research laboratory center
emergency	emergency
ES	expert council
cbd	Case-based-discussion (training based on discussion)
CBL	Case-based- CBL learning (case-based learning)
KPI	Key performance indicators (key performance indicators)
PBL	Problem Based Learning (problem-based learning)
TBL	Team-based learning V team )
TUKMOS	Turkish National Standard of Medical Education



## **(II) INTRODUCTION**

In accordance with Order No. 81-23-OD dated March 16, 2023 of the Independent Accreditation and Rating Agency (hereinafter referred to as IAAR), from May 30 to June 1, 2023. an external expert commission (EEC) assessed the educational program 7R01123 Pediatric Surgery for compliance with the standards of specialized accreditation of basic medical and pharmaceutical education IAAR based on WFME / AMSE standards (Republic of Kazakhstan) dated May 25, 2018 No. 68-18/1-OD, implemented by the Medical Family University.

The report of the external expert commission contains an assessment of the compliance of activities within the framework of specialized accreditation with the IAAR criteria, recommendations of the EEC for further improving the parameters of the specialized profile of educational programs in the specialties 7R01123 Pediatric surgery and 7R01146 Urology and andrology, adult, pediatric

### **The composition of the WEC:**

Chairman of IAAR – Iglíkova Asiya Erbulatovna, Candidate of Medical Sciences, Associate Professor, Al-Farabi Kazakh National University (Republic of Kazakhstan, Almaty);

IAAR foreign expert - Yuryeva Elena Anatolyevna Candidate of Medical Sciences, Associate Professor, Krasnoyarsk Medical University. prof. VF Voyno-Yasenetsky (Russian Federation, Krasnoyarsk);

Foreign expert IAAR - Akberova Ilaha Kamal kyzy, PhD, Associate Professor, Azerbaijan State Institute for Advanced Medical Studies named after Aziz Aliyev (Republic of Azerbaijan, Baku);

IAAR expert – Klyuev Dmitry Anatolyevich, Candidate of Medical Sciences, Associate Professor, NAO "Medical University Karaganda" (Republic of Kazakhstan, Karaganda);

IAAR expert - Zharmenov Samat Madikhanovich, Candidate of Medical Sciences, Associate Professor, Kazakhstan Medical University Higher School of Health, (Republic of Kazakhstan, Almaty)

Employer IAAR – Koyshyman Ernar Erkinbekuly, LLP “Neurorehabilitation center “Luch” (Republic of Kazakhstan, Karaganda,);

IAAR student – Zhərdemali Maya Daurenkyzy, student, Kazakh National Medical University named after SD Asfendiyarov (Republic of Kazakhstan, Almaty);

IAAR student – Ibraev Batyrzhan Sabyrkhanuly, resident, NJSC "Astana Medical University" (Republic of Kazakhstan, Astana);

IAAR Coordinator – Dzhakenova Alisa Satbekovna, Head of Medical Projects of the Agency (Republic of Kazakhstan, Astana).

### **(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION**

Semey Medical University was founded in 1953 (the opening of the Faculty of General Medicine). In 1953, 320 students were enrolled. Over the years of its existence, university graduates have been successfully working throughout Kazakhstan, as well as near and far abroad.

The university provides educational services for higher, postgraduate and additional education. Training is conducted in the state, Russian and English languages. The contingent of students is more than five thousand people. The form of education is full-time, full-time, distance.

Clinical skills training is carried out on the basis of the Department of Simulation Technologies, in our own university hospital and 117 clinical bases.

The contingent is 6136, 1685 foreign students are studying, whose share is almost 27.4% of the total contingent. Over the history of its existence, the University has trained more than 25 thousand pharmacy specialists.

Currently, the Semey Medical University is the largest university in the North-Eastern region of Kazakhstan and the main supplier of medical personnel for the Abay region, East Kazakhstan and Pavlodar regions.

The University annually occupies a leading position in the national rankings of universities in Kazakhstan. According to the results of the National Ranking of the Leading Universities of Kazakhstan - 2022, Semey Medical University took the honorable 1st place among medical universities. According to the results of the national award "ALTYN SHIPAGER", NJSC "MUS" was recognized as one of the best medical universities in the country.

The University is the leader among medical universities in Kazakhstan in terms of graduate employment. The share of employed graduates reaches 98%.

In total, over the years of its existence, the university has trained more than 25 thousand specialists who successfully work in Kazakhstan, near and far abroad (Pakistan, India, Palestine, Sudan, Morocco, Jordan, Israel, Syria, Russia, Germany, Canada, etc.), which indicates a high level of qualification of trained specialists. International cooperation of the University traditionally continues with Russia, Japan, Turkey, India, Pakistan. International projects are being implemented within the framework of the Erasmus program. This year, in September, an agreement on strategic partnership was signed with the Russian National Research Medical University. NI Pirogov (Russia, Moscow), as well as with the Kazan State Medical University.

Currently, the university has 63 agreements with organizations of education, science and clinics from 24 countries of the world. Since 2016, the university has been implementing Erasmus + projects that are aimed at increasing the potential of teaching staff and AUP, strengthening the material and technical base, expanding the international relations of the university and improving educational programs. In March 2023, memorandums of understanding were concluded with DR organizations. DY PATIL VIDYAPEETH, PUNE, and Max Healthcare.

In the short term, the university sets itself the goal of entering the TOP-700+ universities in developing countries in Europe and Central Asia. To achieve this goal, a modern integrated academic healthcare system was created as a result of the merger of the university with the Research Institute of Radiation Medicine and Ecology (NII RMiE) and the expansion of the network of university clinical bases in the Abay region, East Kazakhstan and Pavlodar regions.

The university has passed the institutional accreditation of NAOKO, certificate IA-A No. 01081 dated June 10, 2019 is valid until 2024.

The quality management system is certified for compliance with the requirements of ST RK ISO 9001-2016. Certificate of Conformity No. KZ.Q.02.0305.C21.007506 dated 12/09/2021 Valid until 12/09/2024

The term of study for EP 7R01123 Pediatric Surgery is 3 years, 210 credits, the total number of students in the OP as of May 30, 2023 is 8 people, information about the EP and OP of the OP Pediatric Surgery is presented in tables 1 , 2.

Table 1

**INFORMATION ABOUT THE ORGANIZATION OF EDUCATION**

Full name of the educational organization	Non-profit joint-stock company "Semey Medical University"
Contact Information	Abay region, Semey city, Abay street 103 Tel/fax: 8(7222)56-97-55 E-mail: <a href="mailto:smu@smu.edu.kz">smu@smu.edu.kz</a> Official website: <a href="http://www.smu.edu.kz">www.smu.edu.kz</a>
Founders	The Government of the Republic of Kazakhstan is represented by the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan. The right to own and use the state block of shares of the university in the amount of 100% of the authorized capital is exercised by the Ministry of Health of the Republic of Kazakhstan.
Year of foundation (name, rename (when implemented))	1953
Current accreditation status:	
location / registration	071400, Abay region, Semey city, Abay street 103
Rector / Head of NGO	Doctor of Medical Sciences, Professor Dyusupov AA
License (legal document)	no. KZ 50LAA00016373 dated 06/20/2019
Number of students (full-time, part-time education)	Total contingent: 5977 students, of which only 635 residents; 1 - full-time education
Date of submission of the self-assessment report	
Name of contact person for preparation of the report	Head of the Quality Control Department of Medical Education: Uruzbayeva GA 87052639776 <a href="mailto:gulmira.uzurbayeva@smu.edu.kz">gulmira.uzurbayeva@smu.edu.kz</a>
Levels of education implemented by the university in accordance with the NQF (for example, 6,7,8) and QF-EHEA (for example, 1,2,3 cycles)	
The output of the IAAR Standard according to which the assessment is carried out	
Information about the group that conducted the self-assessment	

Table 2

**INFORMATION ABOUT THE EDUCATIONAL PROGRAM 7R01123 "CHILDREN'S SURGERY" UNDER INTERNATIONAL ACCREDITATION**

<b>PART I</b>	<b>PART II</b>
Educational program / Educational programs	7R01123 Pediatric surgery
Level / Period of study	Residence / 3 years
Structural unit (head)	School of Postgraduate Education (Musabekova Zhanna Asemkanovna, Candidate of Medical Sciences)
Main departments (heads of departments)	Department of Traumatology and Pediatric Surgery (Zhanaspaev Marat Amangazyevich, Doctor of Medical Sciences, Professor)
Dates of external visit	May 15, 2018 until May 17, 2018
Person responsible for accreditation (tel/fax/e-mail)	Head of the Quality Control Department of Medical Education: Uruzbayeva GA 87052639776 <a href="mailto:gulmira.uzurbayeva@smu.edu.kz">gulmira.uzurbayeva@smu.edu.kz</a>
Number of ECTS credits	210
Duration of study, form of study	3 years 6 semesters Full-time form of education
start date	01.09.22-30.06.2023
Date of introduction of the educational program	1.09.2017
previous accreditation	06/14/2018 until 06/13/2023 ( No. AB 1788)
Entry requirements	Accepted persons who have mastered the educational programs of higher education in the specialty "General Medicine", "General Medicine", "Pediatrics", the presence of an internship
Opportunities for further education (upon completion of the program)	Master's degree PhD
Goals and objectives of the EP	To prepare a pediatric specialist surgeon who has a system of universal knowledge and professional competencies, capable and ready for independent professional activity in the treatment of surgical diseases in children. tasks: 1.Patient care 2. Communication and collaboration: 3. Safety and quality 4. Public health 5 Research 6. Training and development
Brief description of the EP	The educational program includes 210 credits, of which 200 are a mandatory component corresponding to the State Educational Standard) 2022, 8 credits are an elective component, and 2 credits are a final assessment. The program includes all disciplines necessary for the full development of residents of all theoretical and practical skills that will be used in future professional



	activities. Includes 110 nosologies and conditions, 67 practical skills, manipulations, procedures that a resident must master.
Learning Outcomes	<ol style="list-style-type: none"> <li>1. Able to formulate a clinical diagnosis for pediatric patients with surgical diseases, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of medical care for surgical children.</li> <li>2. Able to communicate effectively with the patient, his environment, healthcare professionals in order to achieve the best results for pediatric patients with surgical diseases.</li> <li>3. Able to assess risks and use the most effective methods to ensure a high level of safety and quality of care for pediatric patients with surgical diseases.</li> <li>4. Able to act within the framework of the legal and organizational field of the healthcare system of the Republic of Kazakhstan in his specialty "Pediatric Surgery", provide basic assistance in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation.</li> <li>5. Able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in their daily activities, participate in the work of a pediatric surgery research team.</li> <li>6. Able to learn independently and train other members of the professional team, actively participate in discussions, conferences and other forms of continuous professional development in the specialty of pediatric surgery.</li> </ol>
Specialization	Pediatric surgeon
additional characteristics	
Number of admitted students	5 residents - 1 year of study; 1 resident - 2 years of study; 3 residents - 3 years of study
Tuition fee	1 300 000 KZT
Job Opportunity	Pediatric surgeon of clinical diagnostic hospitals and polyclinics that are part of a medical organization (polyclinics, hospitals, research center)

Table 3

**INFORMATION ABOUT THE EDUCATIONAL PROGRAM 7R01146 "UROLOGY AND ANDROLOGY ADULTS, CHILDREN" UNDER INTERNATIONAL ACCREDITATION**

<b>PART I</b>	<b>PART II</b>
Educational program/Educational programs	7R01146 "Urology and andrology for adults, children"
Level / Period of study	Residence / 3 years

Structural unit (head)	School of Postgraduate Education (Musabekova Zhanna Asemkanovna, Candidate of Medical Sciences)
Main departments (heads of departments)	Department of Surgical Disciplines Head: Ph.D. Kuderbaev MT Responsible for residency, assistant Akkaliev MN
Dates of external visit	May 30 to June 1, 2023
Person responsible for accreditation (tel./fax/ email)	Head of the Quality Control Department of Medical Education: Uruzbayeva GA 87052639776 <a href="mailto:gulmira.uruzbayeva@smu.edu.kz">gulmira.uruzbayeva@smu.edu.kz</a>
Number of ECTS credits	
Duration of study, form of study	<b>3 years</b> <b>6 semesters</b> <b>Full-time form of education</b>
start date	01.09.22-30.06.2023
Date of introduction of the educational program	09/01/2017
previous accreditation	May 15, 2018 - 05/17/2018
Entry requirements	Basic medical education, higher medical education in the specialty "General Medicine", general medicine "Pediatrics", the presence of an internship
Opportunities for further education (upon completion of the program)	PhD
Goals and objectives of the EP	<b>Objectives</b> : Training of qualified, competitive personnel that meet modern quality requirements for medical specialists for independent work in the specialty "Urology and Andrology for Adults and Pediatrics" tasks: 1. mastering the professional knowledge and practical skills necessary to provide care to urological patients; 2. the formation of clinical thinking of a qualified doctor, oriented in various sections of urological pathology and in related specialties 3. increasing the professional level and degree of readiness of a urologist for independent medical activity in urological offices and departments of polyclinics, urological departments of hospitals and clinics;
Brief description of the EP	The educational program includes 210 credits, of which 204 are a mandatory component corresponding to the SCES 2022, 4 credits are an elective component, and 2 credits are a final certification. The program includes all disciplines necessary for the full development of residents of all theoretical and practical skills that will be used in future professional activities. Includes 45 most common nosologies and 53 practical skills, manipulations and operations that a resident must

	master.
Learning Outcomes	<p>As a result of training, a resident can formulate a clinical diagnosis, prescribe a treatment plan and evaluate its effectiveness based on evidence-based practice at all levels of medical care;</p> <p>Can effectively interact with the patient, his environment, healthcare professionals in order to achieve the best results for the patient;</p> <p>Able to assess risks and use the most effective methods to ensure a high level of safety and quality of medical care;</p> <p>Able to act within the framework of the legal and organizational field of the health care system of the Republic of Kazakhstan in his specialty, provide basic assistance in emergency situations, work as part of interprofessional teams to implement the policy of strengthening the health of the nation ;</p> <p>Able to formulate adequate research questions, critically evaluate professional literature, effectively use international databases in their daily activities, participate in the work of a research team;</p> <p>Can learn independently and train other members of a professional team, actively participate in discussions, conferences and other forms of continuous professional development.</p>
Specialization	Urologist-andrologist for adults and children.
additional characteristics	
Number of admitted students	2 residents -1 year of study 7 residents -2 years of study
Tuition fee	1 300 000 KZT
Job opportunities	Urologist-andrologist in a stationary polyclinic, urological office of a polyclinic, andrologist in reproductive centers

#### (IV) DESCRIPTION OF THE EEC VISIT

The work of the EEC was carried out on the basis of the Program of the visit of the IAAR / IAAR expert commission as part of the specialized accreditation of educational programs from May 30 to June 1, 2023.

In order to coordinate the work of the EEC, on May 26, 2023, an introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was specified, and agreement was reached on the choice of examination methods.

In order to obtain objective information on evaluating the activities of the university, the members of the EEC used such methods as visual inspection, observation, interviewing employees of various structural units, teachers, students, graduates and employers, questioning the teaching staff, students.

Meetings of the EEC with the target groups were held in accordance with the revised program of the visit, in compliance with the established time period. On the part of the University staff, the presence of all persons indicated in the visit program was ensured.

In accordance with the requirements of the standards, in order to obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors, heads of structural divisions, deans, heads of departments, teachers of departments, students, graduates, employers, interviews were conducted and questioning of teachers and students. In total, 58 people took part in the meetings on OP 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology for Adults, Children" (Table 4).

Table 4 - Information about employees, students, employers, graduates who took part in meetings with the EEC IAAR

Category of participants / number								
university management		Heads of structural divisions	Deans	teaching staff	Heads of EPs, heads of departments	Learners	Employers	Graduates
rector	vice-rector							
1	4	12	2	7	4	13	5	10

According to the program of the EEC visit, an on-line and off-line tour of the university was also held, during which the experts visited: Health, Dentistry, Pharmacy and Nursing, Digital Technology Department, Clinical Training Center; Visiting the practice bases of EP 7R01123 "Pediatric Surgery" of the State Institution of the NAO "Semey Medical University, Department of Pediatric Surgery. st. Sechenov 1; CSE on REM "Pavlodar Regional Children's Hospital" - Pavlodar, 2nd South Street, 51 (online); Department / Department of Urology, Semey, st. Michurin 140 A, KSE on REM "East-Kazakhstan Regional Specialized Medical Center" / Department of Urology Ust-Kamenogorsk, st. Abay, 18 (online), CSE on REM "Pavlodar Regional Hospital named after G. Sultanov" st. Shchedrin, 63, Pavlodar (online).

In accordance with the accreditation procedure, a survey of teachers and residents was conducted. According to the results of a survey of teachers, in which 13 people took part, it was revealed that 100% of respondents noted that they were satisfied with the content of the educational program, opportunities for continuous potential development, advanced training, and the opportunity to actively apply their own teaching methods in the educational process. All respondents answered that the library has the necessary scientific and educational literature. Many respondents are satisfied with the support of the management both in relation to the development of new educational programs and motivational approaches. In general, the vast majority of respondents answered positively to all questions of the questionnaire and believe that

this is an actively developing university with great growth opportunities and conditions for both teachers and staff, and for students.

A survey of 16 residency students was conducted. According to the results of the survey, 91-93% of respondents are satisfied with the attitude and responsiveness of the management, only 91% of respondents are satisfied with the availability of academic counseling, educational materials (91.5%), the availability of library resources and the quality of services (93.5% and 93%), classrooms (88.5%), clarity of disciplinary procedures (88%), overall quality of curricula (91%), teaching methods (88.6%), quality of teaching (91.5 %), objectivity and fairness of teachers (89 .5%), available scientific laboratories (74.1%), quick response to feedback from teachers on the educational process (92%).

As part of the planned program, recommendations for improving the activities of the university, developed by the EEC based on the results of the examination, were presented at a meeting with the leadership and heads of structural divisions of the SMU on 06/01/2023 .

#### (V) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

Primary accreditation of the specialty "Pediatric Surgery" was carried out by the National Institution "Independent Agency for Accreditation and Rating", a certificate of conformity was received for a period of accreditation for 5 years from 06/14/2018 to 06/13/ 2023 (no. AB 1788).

Based on the results of the specialized accreditation procedure from 2018 of the educational program 7R01123 - "Pediatric Surgery", the external expert commission made 3 recommendations to improve the quality of the EP implementation. In order to implement these recommendations, the university developed a plan for the implementation of the recommendations of the EEC NAAR (approved by the Chairman of the Board - Rector).

Post-accreditation monitoring of the specialized accreditation of the educational program 7R01123 - "Pediatric Surgery" was carried out twice as part of the action plan for the implementation of the recommendations of the EEC and was carried out in accordance with the criteria for its implementation.

##### 6.1. Mission and leadership standards

Recommendation #1 To intensify the implementation of scientific works by residents based on the results of their own research, the design and publication of articles and participation in scientific forums.

The trajectory of education requires the resident to conduct research work. For this purpose, a scientific circle has been created at the department, in which residents take an active part. Each resident has chosen a scientific topic for himself, conducts a literature review on the selected topic, recruits patients, plans to write a research protocol and publish an article in a journal.

The skills of posing a clinical question, searching for reliable information, and critically evaluating medical literature are necessary for a practical doctor. In this regard, teachers organize the educational process in such a way as to develop the skill of practical use of these tools. For example, with such teaching methods as discussion of a clinical case (CbD), Analysis of situations (CS - case-study), residents justify the therapeutic and surgical tactics of patient management precisely from the standpoint of the evidence of these methods, arguing their arguments with scientific facts. This approach is aimed at developing a position for the resident to use the resources of reliable up-to-date scientific and medical information, as an integral part of his continuous training and practical activities.

The results of the research activities of residents are regularly published in the form of abstracts, articles, and reported at conferences.

Education in the basics of evidence-based medicine begins as early as the bachelor's degree at the Department of Evidence-Based Medicine. Subsequently, these skills and knowledge are consolidated in practical training. According to the OP "Urology and andrology for adults, children" contains CV "Management of scientific research" and "Biostatistics".

SMU provides an opportunity to work in computer classes with access to the Medline evidence-based medicine database, the Cochrane Library, since the 2019-2020 academic year,

SMU has provided access to the UpToDate database, which is a valuable resource for practical medicine. Knowledge of the basics of evidence-based medicine is mandatory in the process of training in residency in the specialty "Urology and andrology for adults and children." Following the principles of evidence-based medicine is also supported by clinical protocols, which are regularly updated according to the accumulated evidence base. During the training, teachers and clinical mentors not only make sure that the resident is able to prescribe the necessary diagnostic and treatment methods, but that he is able to argue his choice, taking into account the class of evidence of a particular approach.

Teaching the basics of working with scientific literature, the formation of primary skills for critical evaluation of literature, writing scientific articles is carried out in the disciplines of basic higher medical education in the form of various forms of independent work, participation in SSS, in student scientific conferences.

With the participation of residents are presented: 5 publications of scientific papers, of which 3 were published as part of an international conference in English; 2 residents participated in a scientific conference.

The information provided shows the involvement of residents in the research work carried out at the department.

Conclusion: The experts note that this recommendation has been implemented in full (100%).

**Recommendation no. 2:** When selecting for residency, take into account the specific abilities of the applicant: inclination and interest in the chosen specialty, shown by him in the process of undergraduate education: active participation in SSS, preparation of reports for a scientific conference, the presence of certain awareness in the chosen specialty.

NJSC "SMU" conducts the selection of residents in accordance with the order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 KP DSM-63 (registered with the Ministry of Justice of the Republic of Kazakhstan on July 05, 2022 No. 28716), the order of the Minister of Education and Science of the Republic of Kazakhstan "On approval of the Model Rules admission to study in educational organizations implementing educational programs of higher and postgraduate education "No. 600 dated October 18, 2018, subject to amendments and additions no. 237 dated June 8, 2020 and "Regulations on the admission of students to internship and residency at NJSC " Medical University Semey" dated July 29, 2022.

The mission of the educational program provides for the training of specialists with high-level knowledge and skills, so this can be realized with a quality selection of applicants who have a desire and inclination for a profession in the field of urology and andrology. The selection for residency is based on the principles of honesty, openness and mandatory accounting of knowledge and skills for a particular residency specialty.

Admission of persons entering NJSC "SMU" for educational programs of higher education is carried out on the basis of the state educational order, at the expense of the local budget, payment at the expense of citizens' own funds and other sources provided for by the current legislation of the Republic of Kazakhstan

Requirements for applicants to residency: the previous minimum level of education of persons wishing to master the educational programs of residency higher professional or postgraduate education, internship. Persons who have mastered educational programs of higher education and internships are accepted for residency

Recruitment for residency in the specialty is carried out in accordance with the state order allocated by the Ministry of Health of the Republic of Kazakhstan for the training of medical personnel in residency at the expense of the republican or local budget of the regions .

Ensuring a balance between the existing potential and opportunities for training and recruitment of residents is achieved by monitoring the availability of ODA resources in NJSC SMU in preparation for the new academic year. Every year from March-April, on the basis of a request from the Ministry of Health of the Republic of Kazakhstan NJSC "SMU", an application is formed for a certain number of places for each specialty of residency in accordance with the

applications of the state license, analysis of concluded contracts for clinical / practical training, qualifications of teaching staff, material and technical resources.

It has become a good practice to hold "Doors Open Days" at NJSC "SMU" in various areas and levels of training. So, in February 2022, an open day was held in the specialty of urology, held by the Department of Surgical Disciplines. <https://youtu.be/1NWz9x1HQe4>

Since the beginning of February 2022, meetings with employers for residency graduates have been launched at NAO SMU. Meetings are held with the participation of representatives of city and district hospitals of the East Kazakhstan and Pavlodar regions. During the meetings, issues of personnel shortages, working conditions, measures of social support for young professionals, such as the payment of lifting fees for employment, are discussed.

This format of interaction contributes to fruitful cooperation in the future.

The NAO SMU observes the basic principles of the State policy in the field of education, in accordance with the Law of the Republic of Kazakhstan "On Education" dated 27.07. 2007 No. 319-III (with amendments and additions as of May 30, 2020), guaranteeing the principles of equality of all students, the Law of the Republic of Kazakhstan dated October 11, 2011 No. 483-IV "On religious activities and religious associations; Decree of the President of the Republic of Kazakhstan No. 384 of 06.12.2016 "On approval of the Concept of family and gender policy in the Republic of Kazakhstan until 2030"; Law of the Republic of Kazakhstan dated 08.12.2009 No. 233-IV "On State Guarantees of Equal Rights and Equal Opportunities for Men and Women", Decree of the President of the Republic of Kazakhstan dated 31.01. 2017 No. 415 "On approval of the main directions of the state policy of the Republic of Kazakhstan in the field of official development assistance for 2017-2020".

The implementation of EP in the specialty does not depend on the social status, gender, physical capabilities of a person, nationality, religion, etc. In accordance with the Law "On Languages in the Republic of Kazakhstan" dated 11.07.1997 N 151-I, students themselves choose the language of instruction. Polylingualism has been introduced at the university and at the bases for the training of residents, which has a positive effect on the process of relations between residents and patients of different levels, ages, cultural characteristics, and languages. Also, NJSC "SMU" has created conditions for learning foreign languages (Foundation).

**Conclusions:** the information provided indicates the full implementation by the university and the head of the EP of the recommendations of the EEC on improving the criteria for selecting applicants for residency training in the specialty 7R01123-Pediatric Surgery.

Conclusion: The experts note that this recommendation has been implemented in full (100%).

Recommendation no. 3: Recommend stimulating the interest of employees in conducting research in the field of education through the implementation of scientific and technical programs / projects through the use of grants and (or) an initiative research plan, the approval of which through the Academic Council and registration in JSC "NCNTE" with the implementation of a report on GOST, makes it possible to participate in grants of the Ministry of Education and Science of the Republic of Kazakhstan.

The provides report information on the participation of the teaching staff of the Department of Hospital and Pediatric Surgery in the scientific ranking of the university: at the end of 2021, the department took 12th place. The priority areas of scientific activity of surgeons are the study of the results of intestinal resection in children, developments in the treatment of severe peritonitis, the treatment of severe traumatic brain injuries, hydrocephalus and spinal hernia in children, purulent-destructive lung diseases, surgical treatment of hypospadias, treatment of Legg-Calve-Perthes disease.

The staff of the department prepared a draft research study for participation in the competition for a scientific grant of the Ministry of Education and Science of the Republic of Kazakhstan " Providing urological care for children with congenital anomalies of the urinary system." The teaching staff of the department have completed online training in management and

research methods, participate in international conferences, webinars, take advanced training courses and participate in seminars.

**Conclusions:** no information was provided on the implementation of initiative scientific projects at the department, the participation of employees and residents in them .

**Conclusion:** Experts note that this recommendation has not been fully implemented (80%).

Based on the results of the specialized accreditation procedure dated June 14, 2018, of the educational program 7R09126 "Urology and Andrology for Adults and Children", the external expert commission made 4 recommendations to improve the quality of the EP implementation. In order to implement these recommendations, the university developed a plan for the implementation of the recommendations of the EEC NAAR (approved by the Chairman of the Board - Rector).

Recommendation #1 To intensify the implementation of scientific works by residents based on the results of their own research, the design and publication of articles and participation in scientific forums.

Education in the basics of evidence-based medicine begins as early as the bachelor's degree at the Department of Evidence-Based Medicine. Subsequently, these skills and knowledge are consolidated in practical training. According to the EP "Urology and andrology for adults, children" contains CV "Management of scientific research" and "Biostatistics".

NAO SMU provides an opportunity to work in computer classes with access to the Medline evidence-based medicine database, the Cochrane Library, since the 2019-2020 academic year, NAO SMU has provided access to the UpToDate database, which is a valuable resource for practical medicine. Knowledge of the basics of evidence-based medicine is mandatory in the process of training in residency in the specialty "Urology and andrology for adults and children." Following the principles of evidence-based medicine is also supported by clinical protocols, which are regularly updated according to the accumulated evidence base. During the training, teachers and clinical mentors not only make sure that the resident is able to prescribe the necessary diagnostic and treatment methods, but that he is able to argue his choice, taking into account the class of evidence of a particular approach.

Teaching the basics of working with scientific literature, the formation of primary skills for critical evaluation of literature, writing scientific articles is carried out in the disciplines of basic higher medical education in the form of various forms of independent work, participation in SSS, in student scientific conferences.

The information provided shows the involvement of residents in the research work carried out at the department.

**Conclusion :** The experts note that this recommendation has been implemented in full (100%).

**Recommendation no. 2.** Expand the catalog of elective courses: for example, to include neurourology, phthisiourology and increase the volume of the andrological component and credits for the study of pediatric urology at the expense of electives.

Taking into account the opinion of employers and graduates and student residents, a catalog of elective disciplines is formed annually, from which the resident can form his further learning path

Training of residents in the specialty 7R01146 "Urology and andrology for adults, children" at the NAO SMU is carried out in accordance with the State Educational Standard and the Model Curriculum, approved by Order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 No. ҚР DSM -63. Registered with the Ministry of Justice of the Republic of Kazakhstan on July 5, 2022 28716. The educational program ensures that all parts of the program include relevant disciplines.

The educational program consists of 210 credits. The structure of the program includes 4 modules:

Module 1 - "Fundamentals of outpatient urology":



Ambulatory polyclinic urology  
 Andrology  
 Module 2 - "Urology in the hospital":  
 Urology in the hospital - 1  
 Urology in the hospital - 2  
 Urology in the hospital - 3  
 endourology  
 Module 3 - "Fundamentals of diagnostics in urology":  
 Radiation and ultrasound diagnostics  
 Module 4 - "Selected issues of urology":  
 Oncourology  
 pediatric urology  
 Phthisiourology  
 Module 5 - "Component of choice":  
 Clinical anatomy and operative urology  
 neurology  
[https://drive.google.com/file/d/171\\_oK75opSmFrYYI0LtkCrOgLeocabib/view](https://drive.google.com/file/d/171_oK75opSmFrYYI0LtkCrOgLeocabib/view)

The principle of constructing a modular educational program is based on the logic and consistency of the study of disciplines. Prerequisites are strictly observed. The principle of rotation and separation of the main disciplines "Urology in the hospital" and "Outpatient urology" allow you to consistently deepen the level of mastering the most important nosological units and medical manipulations.

The ratio of classroom studies to independent work under the guidance of a mentor and independent work of a resident is 20% - 65% - 15%.

The content of the academic disciplines of the mandatory component is strictly regulated by the State Educational Standard of July 4, 2022, and the list of disciplines/modules included in the mandatory component is already defined in the standard curriculum. The EP in the specialty 7R01146 – “Adult and Pediatric Urology and Andrology” enables residents to plan and implement an individual, directed learning trajectory during the entire training, preparing for work in the chosen specialty. The number of teaching hours for three years of study is 6300, which corresponds to 210 credits, 4 of which are in the CPV - elective disciplines. The distribution of disciplines by hours and semesters is carried out by the department of academic work. All academic disciplines and sections of the EP of the specialty are closely interconnected. The formation of the content of disciplines is structured into logically completed methodological blocks. The interdisciplinary connection is clearly seen in the syllabuses of academic disciplines, compiled taking into account the development of prerequisites and postrequisites, as well as taking into account the specifics of the specialty.

The list of disciplines of the elective component is compiled according to the Catalog of elective disciplines, which is formed and approved annually at the university.

Each year, admission to residency in the specialty "Urology and andrology for adults, children" depends on the number of allocated grant places from the Ministry of Health of the Republic of Kazakhstan. But if necessary, targeted training of residents is carried out under a grant from the LEA or at the expense of a medical organization or paid training. So, for example, residents Akhmetov D., is studying at the expense of the CGP at the REM of the SMC UZ EKO in Oskemen, and resident Omirzhanov A. is currently studying under a grant from the institution "Kidney Center" in Semey, resident Myrzakhmetov E. on paid education.

The report and the submitted documents do not fully disclose the implementation by the head of the EP of the recommendations of the EEC to expand the QED and increase the andrological component and loans for the study of pediatric urology in the EP of the specialty (in dynamics for 2019-2021).

**Conclusion** : Experts note that this recommendation has not been fully implemented (80%).

**Recommendation no. 3:** When selecting for residency, take into account the specific abilities of the applicant: inclination and interest in the chosen specialty, shown by him in the process of undergraduate education: active participation in SSS, preparation of reports for a scientific conference, the presence of certain awareness in the chosen specialty.

NJSC "SMU" conducts the selection of residents in accordance with the order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 RK DSM-63 (registered with the Ministry of Justice of the Republic of Kazakhstan on July 05, 2022 No. 28716), the order of the Minister of Education and Science of the Republic of Kazakhstan "On approval of the Model Rules admission to study in educational organizations implementing educational programs of higher and postgraduate education "No. 600 dated October 18, 2018, subject to amendments and additions no. 237 dated June 8, 2020 and "Regulations on the admission of students to internship and residency at NJSC" Medical University Semey" dated July 29, 2022.

The mission of the educational program provides for the training of specialists with high-level knowledge and skills, so this can be realized with a quality selection of applicants who have a desire and inclination for a profession in the field of urology and andrology. The selection for residency is based on the principles of honesty, openness and mandatory accounting of knowledge and skills for a particular residency specialty.

Admission of persons entering NJSC "SMU" for educational programs of higher education is carried out on the basis of the state educational order, at the expense of the local budget, payment at the expense of citizens' own funds and other sources provided for by the current legislation of the Republic of Kazakhstan

Requirements for applicants to residency: the previous minimum level of education of persons wishing to master the educational programs of residency higher professional or postgraduate education, internship. Persons who have mastered educational programs of higher education and internships are accepted for residency

Recruitment for residency in the specialty is carried out in accordance with the state order allocated by the Ministry of Health of the Republic of Kazakhstan (hereinafter - the Ministry of Health of the Republic of Kazakhstan) for the training of medical personnel in residency at the expense of the republican or local budget of the regions.

Ensuring a balance between the existing potential and opportunities for training and recruitment of residents is achieved by monitoring the availability of ODA resources in NJSC SMU in preparation for the new academic year. Every year from March-April, on the basis of a request from the Ministry of Health of the Republic of Kazakhstan NJSC "SMU", an application is formed for a certain number of places for each specialty of residency in accordance with the applications of the state license, analysis of concluded contracts for clinical / practical training, qualifications of teaching staff, material and technical resources.

It has become a good practice to hold "Doors Open Days" at NJSC "SMU" in various areas and levels of training. So, in February 2022, an open day was held in the specialty of urology, held by the Department of Surgical Disciplines. <https://youtu.be/INWz9x1HQe4>

Since the beginning of February 2022, meetings with employers for residency graduates have been launched at NAO SMU. Meetings are held with the participation of representatives of city and district hospitals of the East Kazakhstan and Pavlodar regions. During the meetings, issues of personnel shortages, working conditions, measures of social support for young professionals, such as the payment of lifting fees for employment, are discussed.

This format of interaction contributes to fruitful cooperation in the future.

The NAO SMU observes the basic principles of the State policy in the field of education, in accordance with the Law of the Republic of Kazakhstan "On Education" dated 27.07. 2007 No. 319-III (with amendments and additions as of May 30, 2020), guaranteeing the principles of equality of all students, the Law of the Republic of Kazakhstan dated October 11, 2011 No. 483-IV "On religious activities and religious associations; Decree of the President of the Republic of

Kazakhstan No. 384 of 06.12.2016 "On approval of the Concept of family and gender policy in the Republic of Kazakhstan until 2030"; Law of the Republic of Kazakhstan dated 08.12.2009 No. 233-IV "On State Guarantees of Equal Rights and Equal Opportunities for Men and Women", Decree of the President of the Republic of Kazakhstan dated 31.01. 2017 No. 415 "On approval of the main directions of the state policy of the Republic of Kazakhstan in the field of official development assistance for 2017-2020".

The implementation of EP in the specialty does not depend on the social status, gender, physical capabilities of a person, nationality, religion, etc. In accordance with the Law "On Languages in the Republic of Kazakhstan" dated 11.07.1997 N 151-I, students themselves choose the language of instruction. Polylingualism has been introduced at the university and at the bases for the training of residents, which has a positive effect on the process of relations between residents and patients of different levels, ages, cultural characteristics, and languages. Also, NJSC "SMU" has created conditions for learning foreign languages (Foundation).

NJSC "SMU" has available information about the needs of practical healthcare in urologists-andrologists. When considering the recruitment of residents, there are no barriers to admission of applicants based on gender, ethnicity and social differences. In recent years, people of different nationalities have been studying in residency in the specialty - Kazakhs, Uzbeks, Tajiks, Tatars and others. In terms of gender, both males and females have been and are being trained.

When selecting a residency, the specific abilities of the applicant for the specialty are taken into account: the inclination and interest in the chosen specialty, shown by him in the process of undergraduate education, the presence of a certain awareness in the chosen specialty.

The presented information tests to the full implementation by the university and the head of the study program of the recommendation of the EEC on improving the criteria for selecting applicants for residency training in the specialty.

**Conclusion** : The experts note that this recommendation has been implemented in full (100%).

**Recommendation no. 4:** recommend stimulating the interest of employees in conducting research in the field of education through the implementation of scientific and technical programs/projects through the use of grants and (or) an initiative research plan, the approval of which through the Academic Council and registration with JSC "NTSNTE" with the implementation of a report in accordance with GOST, makes it possible to participate in grants of the Ministry of Education and Science of the Republic of Kazakhstan.

NJSC "SMU" has a team of highly qualified teachers. The professional level of the teaching staff meets the requirements and level of training in accordance with the Standard Qualification Characteristics of the Positions of Pedagogical Workers of the Republic of Kazakhstan

Principles and systems for stimulating and motivating employees are being developed: the rating of the teaching staff, material incentives, the KPI system. To encourage teachers for high pedagogical skills, scientific results and dedication, the NAO SMU has introduced a KPI system, which is based on the principles of transparency and measurability of indicators; the relationship of differentiated additional payment with the fulfillment of tasks that meet the interests of the University; equal opportunities in obtaining differentiated remuneration for all university employees, regardless of their position; close relationship with the project management of the university.

The KPI system includes fixed and non-permanent indicators. The following indicators are permanent:

- TOEFL PBT certificate - 525 points or more, TOEFL CBT - 196 points or more; TOEFL IBT - 69 points or more, or IELTS - 5.5 points or more, confirming English language proficiency;

- leadership / participation in the project for the development of the university.

Non-permanent indicators include:

- the presence of an article with an impact factor in journals indexed in Web of Science and Scopus;
- foreign academic mobility. It should be noted that the KPI system of employees of NJSC "SMU" is annually reviewed and updated in accordance with the strategic priorities of the university and state programs.

The main motivational tool for PSS and employees at NJSC SMU is the annual rating.

The high level of competence of the teaching staff in the relevant area is ensured by the planning and financing of NJSC "SMU" staff development processes on a regular basis.

The participation of employees implementing the EP of the specialty 7R09126 - Urology and andrology for adults, children, in the scientific ranking of the university (the dynamics of scientific developments for 2019-2022), participation in republican and intra-university competitions of scientific projects has not been disclosed.

**Conclusion** : Experts note that this recommendation has not been fully implemented (80%).

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

### **6.1. Mission and Deliverables Standard**

#### **Evidence**

All items of standard 1 are fully disclosed, the description meets the requirements of specialized accreditation. The University ensures the participation of all stakeholders (administration, teachers, residents and employers) in setting goals and development strategies.

The mission of the educational programs of the specialty 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" went through the process of phased approval and discussion at the collegiate bodies of the University. The mission of the educational program was brought to the attention of the authorized bodies in the field of medical education and healthcare, the academic community, students and all interested parties by publishing it on the official website of the university - <https://smu.edu.kz/ru/educational-programs/>

The educational strategy of residency programs in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Children" was developed by the teaching staff of the departments and recorded at the cathedral meeting. The leadership and teaching staff of the university, students, representatives of employers and other interested parties, including foreign ones, took part in the formation of the mission of the EP.

The compiled programs are agreed upon by practical healthcare professionals, discussed and approved at meetings of the collegiate bodies of the KOP residency and the Academic Committee, which include representatives of all interested parties, contains the stated goals and final results and is available for review on the university website. <https://smu.edu.kz/ru/educational-programs/detskaya-hirurgiya/>

The final results of the EP are formed according to the results of educational achievements of individual disciplines. Students and faculty participate in the development and discussion of work programs and educational and methodological complexes of disciplines, where proposals are made for their change and improvement through participation in meetings of methodological / academic commissions. All educational and methodological complexes of disciplines are discussed among the staff of the departments, which is reflected in the minutes of the departmental meetings. For all residents, syllabuses have been developed for each discipline with the content of the expected final results (syllabuses).

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

EP in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", (re-accreditation) has clearly defined missions, visions, quality policy, which are adopted collegially with the participation of all interested parties, including foreign one

steinholders. The mission of the university is placed in the public space - on the website of the SMU it did the same for the residency program, which reflects the need for teachers and students to better understand the orientation of the residency program. The final results for both EPs are developed in accordance with the requirements of the law, are reflected in the description of the EP and are available to all participants in educational relations (administrative staff, teachers, students).

For the EP in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", the inclusion of professionalism in the training of doctors is noted and ensures that training promotes professional autonomy, and makes it possible in the future to act in the best interests of the patient and society

In NJSC "SMU" assistance in the introduction of innovations in the educational process of residency is carried out through the training of teachers with the participation of foreign experts, the exchange of experience between teachers, representatives of practical healthcare.

In order to constantly improve the new model of teaching specialized disciplines, the Committee of Educational Programs of NJSC "SMU" on an ongoing basis trains the teaching staff in modern pedagogical technologies used in the world educational environment for postgraduate training of medical personnel. The strategic partnership of NJSC "SMU" with the Medical University of Bashkent (Turkey) contributed to the achievement of progress in the introduction of new forms of teaching basic and specialized disciplines, the improvement of previously used pedagogical technologies.

The implementation of the mission of the EP residency is ensured by the access of each student to databases, library funds and electronic libraries, formed according to the full list of disciplines of the main educational program, the Internet. All disciplines are provided with educational and methodological documentation, which includes syllabuses of academic disciplines, curricula, a list of control and measuring tools for current, intermediate and final control.

During the training process, 80% of the EP hours are devoted to independent study of the program in terms of practical skills (65% under the guidance of a mentor from among the teaching staff and practical healthcare and 15% of the resident's independent work) . Practical skills mastered under the guidance of a mentor, the resident implements independently, when performing independent work. To maintain the mission of the EP, the university gives the opportunity to the teaching staff of the department to improve their knowledge and skills by improving their qualifications, both pedagogical and professional skills.

Residents are provided with the opportunity to quickly exchange information with domestic and foreign universities, enterprises and organizations, access to sets of the library fund of the main domestic and foreign academic and industry journals on the training profile is provided.

Independent work of residents, prescribed in the EP, in addition to studying theoretical material, searching for the necessary relevant information in information resources (UpToDate, Cochrane, etc.), also includes research work.

According to this standard, the success of the implementation of educational programs is determined by the effective work of the university in developing and implementing a plan for the development of educational programs, which is available to all interested parties.

### ***Strengths / best practices***

When implementing EP 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", a professional approach to the training of doctors and the formation of professional autonomy are ensured, which makes it possible in the future to act in the best interests of the patient and society.

### ***WEC recommendations***

Not according to this standard .

**The conclusions of the EEC according to the criteria:** strong positions - 1, satisfactory - 13, suggest improvements - 0, unsatisfactory - 0.

## **6.2. Standard "Educational program"**

### Evidence

All points of standard 2 are fully disclosed, the description meets the requirements of specialized accreditation.

The educational program (EP) in the specialty 7R01123 - "Pediatric Surgery" was developed in accordance with the requirements of the State Educational Standard of the Ministry of Health of the Republic of Kazakhstan dated July 4, 2022 No. KR DSM-63. The model of the educational program for residency 7R01123 - "Pediatric Surgery" is based on the final results of the training of residents and the qualifications they receive, ensuring the consistency and transparency of training. Includes a cycle of major disciplines, consisting of a mandatory component (OK), an elective component (EC) and final certification. The resident is familiar with the educational program and class schedule in advance, reflects everything in his individual plan, the plan of work with a clinical mentor. All this ensures transparency in the learning process. In addition, the learning outcomes are reflected on the KEYPS electronic platform. The term of mastering the educational program of residency in the specialty "Pediatric Surgery" is 3 years.

The residency educational program contains: 8 major disciplines and 4 elective components. One of the principles of training residents is the flexibility of educational programs, implemented through their annual renewal. The updating of the program may be related to feedback from employers, students and other stakeholders who can offer a certain component of their choice, etc. Thus, 2 TC "Early detection of diseases" were added to the TC "Biostatistics" and "Management of scientific research" by the stakeholders. of the musculoskeletal system in young children" and "Effective diagnostic algorithms and modern strategies for the treatment of malformations of the gastrointestinal tract in children".

When developing the educational program, the opinions of all interested parties were taken into account - representatives of practical healthcare from East Kazakhstan, Pavlodar and Abay regions. The ODP developed by a team of experienced teachers was considered by the collegiate bodies of the university - at the KOP, the Academic Committee and approved by the Board of Directors on July 29, 2022 Protocol No. 21.

The term for mastering the educational program of residency in the specialty 7R01146 "Urology and andrology, adult, pediatric" is 3 years. The training program for EP 7R01146 "Urology and Andrology, Adult, Pediatric" ([https://drive.google.com/file/d/17UGd8PjupINawFKmY00xeTEVQNmpNXnA/view?usp=share\\_link](https://drive.google.com/file/d/17UGd8PjupINawFKmY00xeTEVQNmpNXnA/view?usp=share_link)) includes theoretical training and practical activities that involve working with patients with diseases of the genitourinary system. The model of the educational program 7R01146 "Urology and Andrology for Adults, Pediatrics" was developed according to the principle of focusing on the final results of training and modularity. The established end results of the training are aimed at realizing the mission and goals of the educational program and obtaining the qualification of a urologist-andrologist (adult, pediatric) by a resident. The residency educational program contains: 10 major disciplines and 2 elective components. The content of the disciplines provided for by the curriculum is determined by the requirements for the results of mastering the educational program (competencies). At the same time, the labor intensity of mastering the educational program per year is 70 credits. Accounting for the labor intensity of all types of work is carried out according to the volume of mastered material, measured in academic hours or credits. From the 2019-2020 academic year, 1 credit is equal to 30 hours, where the volume of classroom work is 20% of the volume of each discipline, independent clinical work under the guidance of a clinical mentor - 65%, SRO - 15% . At the residency level, NJSC SMU actively uses practice-oriented training through the active participation of the resident in the treatment process and the division of responsibility for the provision of medical care to patients

in the hospital and polyclinic. Taking into account the practical orientation of the training of residents, clinical mentoring occupies an important place, both from the point of view of regulatory documents and from the point of view of the university, the Clinical Mentor School operates in NJSC "SMU". The implementation of the EP does not depend on the social status, gender, physical capabilities of a person, nationality, religion, etc. In accordance with the Law "On Languages in the Republic of Kazakhstan" dated 11.07.1997 N 151-I, students themselves choose the language of instruction. Polylingualism has been introduced at the university and at the bases for the training of residents, which has a positive effect on the process of relations between residents and patients of different levels, ages, cultural characteristics, and languages.

is engaged in scientific activities under scientific supervision clinical mentor/assistant of the profile department. In the first year of study, the resident chooses the topic of scientific research, the supervisor, performs scientific research during the period of study.

The sequence of passing disciplines, the content of which is aimed at achieving knowledge, skills and abilities, is observed, providing a stepwise approach to their study. All learning conditions are provided with consistency, continuity of their content, consistent development of all competencies depending on the specialty, takes into account the logic of the academic interconnection of disciplines, their continuity. The model of the educational program based on the established final results of the training 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 happens in conditions of openness and awareness of the successes of residents.

OP residency in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", guarantee the integration of practice and theory, includes the content, sequence of training and responsibility of the resident with the definition of learning objectives, and learning outcomes based on the performance of tasks and the provision of medical care population. The integration of training and provision of medical services implies, on the one hand, the provision of proper medical care by residents of the residency, on the other hand, the fact that learning opportunities are embedded in service functions. The training is based on practice, involving residents in personal participation in the provision of services and responsibility for the activities of providing care to patients in medical organizations recognized as residency bases.

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

### ***analytical part***

OP residency in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", (re-accreditation) is currently being implemented in full, which shows the possibilities of analysis, evaluation of the first program not only from the standpoint of content and composition, but also in terms of practicality. In general, the programs have the correct content of disciplines and practices, their adequate distribution into blocks, corresponding to the educational standards adopted in Kazakhstan, but, according to the analysis of the OP and interviews with teaching staff and students in residency programs, the requirements for the formation of an optimal catalog of elective disciplines are not sufficiently met, aimed at the formation of a personalized learning trajectory, as well as the formation of the focus of both EPs on scientific achievements, clinical epidemiology, evidence-based medicine and critical thinking skills.

The educational organization should strive to include a critical assessment of literature and scientific data in the EP, adapt the content based on scientific developments in medicine, change the EP, taking into account the achievements of scientific, technological, medical and pharmaceutical developments, the current and expected needs of society and the healthcare

system. And also take into account the learning outcomes of the previous basic medical education related to the chosen field of medicine.

The implementation of the EP does not depend on the social status, gender, physical capabilities of a person, nationality, religion, etc. In accordance with the Law "On Languages in the Republic of Kazakhstan" dated 11.07.1997 N 151-I, students themselves choose the language of instruction. Polylingualism has been introduced at the university and at the bases for the training of residents, which has a positive effect on the process of relations between residents and patients of different levels, ages, cultural characteristics, and languages .

***Strengths / best practices***

There are no strengths in this standard.

***WEC recommendations***

1. The leadership of the EP should include disciplines in the EP that involve a critical assessment of literature and scientific data. Deadline - before the start of the 2023-2024 academic year

2. The management of the EP reflect in the EP the results of the previous basic medical education (disciplines or learning outcomes). Deadline - before the start of the 2023-2024 academic year

***The conclusions of the EEC according to the criteria:*** strong positions - 0, satisfactory - 18, suggest improvements - 2, unsatisfactory - 0.

**6.3. Student Assessment Standard**

***Evidence***

All points of standard 3 are fully disclosed, the description meets the requirements of specialized accreditation.

In NJSC " SMU " for all specialties of residency there is a unified policy for assessing students of all levels, including residents.

In residency in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", an assessment policy has been introduced, which is reflected in the academic policy and in the Regulations on residency for 2022-2023, where the final assessment of the discipline (IOD ) of each resident, includes formative assessment (FE) - 60% and summative assessment (SO) - 40%. The FD consists of: a practical current assessment (80%) and a milestone control in the form of an oral exam on tickets (20%) in the discipline being studied. The CO is carried out at the end of the discipline also in two stages: a practical stage (50%) - a mini-clinical exam and the second stage - a summative test exam (50%) - electronic testing on the KEYPS platform.

To successfully complete the training program in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", the resident must fulfill the requirements of individual disciplines (the criteria are written in the syllabus), as well as the requirements of the program as a whole. Pediatric surgeon residents are assessed regularly by clinical and academic mentors. The syllabus prescribes the ultimate goals of training for each discipline, and also prescribes the skills and competencies that, as a result of training, a resident pediatric surgeon should possess. The level of daily mastery of practical skills and competencies is assessed as a current assessment, an average assessment is given. The CO for mastering practical skills and competencies is conducted in the form of a mini-clinical exam and is carried out step by step according to the checklist, various innovative teaching methods are also being introduced: horizontal and vertical integrated classes, Casebased Discussion ( Discussion of a clinical case), Case-study (Analysis of situations), Direct Observation of Procedural Skills (assessment of mastery of practical procedures), Multiple Choice Questions (Test questions with multiple choice). The results of learning the amount of knowledge, skills, acquired, demonstrated



to students in mastering the educational program are confirmed by the assessment of the final control, control and measuring means - tests, tickets, checklists.

The purpose of the final certification is to assess the professional readiness of graduates upon completion of the study of the residency educational program. The final certification is carried out in accordance with the final learning outcomes and includes two stages: knowledge assessment (computer testing); assessment of skills, in accordance with the "Rules for assessing the knowledge and skills of students in medical education programs", approved by order of the Minister of Health of the Republic of Kazakhstan dated April 23, 2019 No. KR DSM-46 (registered in the Register of Regulatory Legal Acts under No. 18577). The forms of the final certification are determined by the authorized body in accordance with subparagraph 125) of paragraph 1 of Article 7 of the Code of the Republic of Kazakhstan dated September 18, 2009 "On the health of the people and the healthcare system". Upon successful examination, a certificate of a pediatric surgeon specialist is issued.

All types of assessment in residency in the specialty 7R09123 "Pediatric Surgery" - formative, summative and final certification - cover the theoretical knowledge and practical skills that the resident must master in the course of his studies and necessary for his future profession. So, for example, when passing the discipline "Emergency Surgery" (25 credits), a resident masters all the theoretical knowledge of surgical diseases of the abdominal cavity (etiology and pathogenesis, clinic, differential diagnosis, diagnostic methods and methods of surgical treatment), interprets the results of X-ray laboratory studies of acute surgical diseases of the abdominal and thoracic cavity, retroperitoneal space. As for practical skills, the resident during this discipline then assists, independently or under the supervision of a clinical mentor or teacher, performs operations and manipulations (stomach probing, bladder catheterization, siphon enemas, Elephanta test, opening and draining of abscesses, etc.). Theoretical and practical achievements of residents are evaluated according to checklists, where evaluation criteria are developed step by step.

Operations, assistance and diagnostic manipulations performed by residents are recorded in the Medlog program and subsequently the correctness, quantity and quality of the assistance provided is controlled by the clinical mentor of the resident.

#### ***Analytical part***

NJSC "SMU" conducts residency training to a greater extent with an emphasis on practice-oriented, but in parallel with the use of information and telecommunication technologies and telecommunications facilities. Implements the curriculum in accordance with the SCES 2022, the curriculum and the academic calendar. Semey Medical University uses an assessment format that includes validity, reliability, and impact on learning. Residents pass testing on the KEYPS electronic platform. At least 20 test questions of the MCQ, MSQ format are submitted to the stage of formative testing. At least 30 questions of the MCQ, MSQ format are submitted to the summative testing stage. All tests are mandatory reviewed, after passing the formative and summative assessment, a psychometric analysis of test questions is carried out by the office registrar. It is mandatory to check the compliance of tests with KEYPS blueprints. The results of the summative examination are discussed at the departmental meeting. The University uses additional methods for evaluating residents in the specialty "Adult and Pediatric Emergency Medicine", such as a portfolio, evaluation of scientific activity, independent work of a resident. CRR specialty 7R09123 "Pediatric surgery consists in the fact that the resident receives patients, sorts patients according to the TRIAGE system in the emergency room, provides emergency medical care, fills out KIIS and other documentation (outpatient cards, case histories, etc.), evaluates the resident by a clinical mentor (emergency room physician).

Another additional method for evaluating the work of a resident is working on the MEDLOG electronic platform <https://medlog.aisu.kz/main> where the resident fills in the full name of the admitted patient, IIN, date of admission, reason for the appeal, manipulations performed (practical skills are being developed). A teacher or a clinical mentor can open

MEDLOG at any time, personally assess the volume and quality of the work done, then the teacher can approve, reject or return a specific case for revision.

Assessment methods are developed by the department and reflected in the educational programs approved at the meeting of the department, COP residency.

A resident in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", during the entire period of study forms a portfolio that corresponds to the final goals of the program and contains uniform reliable and valid criteria for evaluating the student's performance. The resident's portfolio consists of the resident's report; checklists with evaluation of practical activities, seminars, shifts, etc.; characteristics of the curator; information about achievements during the period of study in residency, if any (awards, certificates, conference programs, abstracts of publications, video materials, letters of thanks, patient reviews, etc.). The CPP contains tasks that require the resident to do daily independent work that forms the student's portfolio, and is the basis for assessing the "self-development" competence.

The report of the resident reflects the discipline and terms of training according to the individual plan, in which division of the medical organization he was trained.

The form and procedure for conducting the final control for each discipline is established by the educational program in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Children". The final grade for the discipline is set on the day of the exam, by the examiner in the educational journal, in the examination sheet of the student of residency. For example, in 301 groups of residents of 3 years of study, on March 13, 2023, the discipline "Traumatology, Orthopedics", on the last day of the cycle, exams were held according to the OP, on the same day paper documents were filled out and marks were entered on the KEYPS platform, the list of the final assessment of the discipline is transferred to the Office Registrar.

Criteria for passing exams or other types of assessment, including the procedure for retaking residency in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", reflected in the "Regulations on residency".

To conduct the final certification of residents, a state certification commission (hereinafter referred to as the SAC) is created.

Residents who have completed the residency educational program and passed the Final State Attestation are awarded the qualifications: doctor - pediatric surgeon, doctor - rologist, andrologist, adult, pediatric. The resident, in case of disagreement with the results of the rating of the final control, the final attestation in the discipline, has the right to file an application for an appeal addressed to the chairman of the appeal commission. The procedure and procedure for the appeal is regulated in the Regulations on the appeal.

#### ***Strengths / best practice***

There are no strengths in this standard.

#### ***WEC recommendations***

1. The management of the EP to expand the set of assessment methods and formats used, including the use of several assessors and several assessment methods. Deadline - until the end of the 2023-2024 academic year
2. The management of the PA should develop a system for assessing the reliability, validity and fairness of the assessment methods used, as well as conduct training for teaching staff on this system. Deadline - before the start of the 2024-2025 academic year

***The conclusions of the EEC according to the criteria:*** strong positions - 0, satisfactory - 8, suggest improvements - 2, unsatisfactory - 0.

## **6.4. Standard "Students"**

### ***Evidence***

Admission to residency in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" at NJSC "SMU" is aimed at complying with the mission adopted at the university, namely the training of outstanding doctors, scientists and leaders in the field of healthcare to provide high-quality medical help. NJSC "SMU" selects residents in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan "On approval of the Model rules for admission to study in educational organizations implementing educational programs of higher and postgraduate education" No. 600 dated October 18, 2018, subject to amendments and additions No. 237 dated June 8, 2020 and "Regulations on the admission of students to higher and postgraduate education in the NAO 77. Selection for residency is based on the principles of honesty, openness and mandatory accounting of knowledge and skills for a particular residency specialty.

Recruitment for residency in the specialties 7R01123 "Pediatric surgery" and 7R01146 "Urology and andrology, adult, pediatric" is carried out in accordance with the state order allocated by the Ministry of Health of the Republic of Kazakhstan (hereinafter - the Ministry of Health of the Republic of Kazakhstan) for the training of medical personnel in residency at the expense of the republican or local budget of the regions, there is also an opportunity to study at the expense of their own funds and the funds of a medical organization (target grant).

Admission to residency is made on a competitive basis based on the results of entrance examinations. When applying for residency, a balance is struck between educational opportunities and admission of residents. An analysis of the staffing of teaching staff (both full-time and part-time - representatives of practical healthcare) is carried out annually. The university has sufficient conditions for training under this program, there are powerful clinical bases, both in Semey and Ust-Kamenogorsk, as well as on the basis of the Pavlodar branch: EP 7R01123 "Pediatric Surgery", Department of Pediatric Surgery, st. Sechenov 1; CSE on REM "Pavlodar Regional Children's Hospital" - Pavlodar, street, 2nd South, 51; CSE on REM "Center for Motherhood and Child", Ust -Kamenogorsk. For training residents under the program 7R01146 "Urology and andrology for adults, children" of the CSE on the REM "Emergency Hospital" of the Abay Region Healthcare Department / Department of Urology, Semey, st. Michurin 140 A, KSE on REM "East-Kazakhstan Regional Specialized Medical Center" / Department of Urology Ust-Kamenogorsk, st. Abay, 18, KSE on REM "Pavlodar Regional Hospital named after G. Sultanov" st. Shchedrin, 63, Pavlodar.

The presence of clinical facilities provides high-quality practical patient-oriented training for residency students. The qualitative composition of full-time teachers and part-time teachers (degree degree, the presence of the highest and first category) is sufficient to train residents at a high level, both in theoretical and practical aspects.

The procedure for the transfer of residency students is carried out in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated January 20, 2015 No. 19: "On approval of the Rules for the transfer and restoration of students by types of educational organizations" and the Regulations on the procedure for the transfer and restoration, deductions of students in NJSC "Medical Semey University".

NJSC "MUS" provides support to residents, focused on social, financial and personal needs. Residents from other cities who need housing have the opportunity to live in a hostel. There are dormitories of both corridor type (hostel No. 1) for single students, and sectional type for family residents (hostel No. 2). Each resident has a temporary residence permit, according to which he is territorially assigned to a certain NEA. Given the specifics of medical education, residents have constant access to medical services.

### ***Analytical part***

When admitting to residency or transferring residents from other national or international programs, NAO "SMU" adheres to the order of the Minister of Education and Science of the Republic of Kazakhstan "On Approval of the Model Rules for Admission to Education in Educational Organizations Implementing Educational Programs of Higher and Postgraduate

Education" No. 600 dated 18 October 2018, subject to amendments and additions No. 237 dated June 8, 2020.

Entrance examinations for residency in the specialty 7R01123 "Pediatric Surgery" were held in a test format, applicants had to show knowledge in biomedical disciplines and pediatric surgery. The thematic plan, according to which the examination questions were compiled, is presented on the website of the SMU, the applicants were familiarized with the conditions for submitting documents and with the conditions for conducting exams <https://smu.edu.kz/ru/postuplenie/rezidentura/>.

NJSC "SMU" provides support to residents, focused on social, financial and personal needs. Residents from other cities who need housing have the opportunity to live in a hostel. The trade union organization NJSC "SMU" provides material assistance to residents if necessary. Children of residents for the New Year's holiday are provided with New Year's gifts, invitations to matinees. NJSC "SMU" provides an opportunity to work part-time. Employees of the School of Postgraduate Education, teachers of the department and clinical mentors are always interested in the problems of residents. And to the best of their ability, they provide assistance to residents.

Every year, residents in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" are assigned clinical mentors who provide advisory assistance to residents in the educational process, clinical and scientific activities. This assistance contributes to the professional growth of residency students.

NJSC Semey Medical University provides material assistance to needy students. "Almamater Alumni Association allocates funds to low-income (orphans) students for food. Assistance is provided (surcharge to the scholarship) to orphans. Orphans are also provided with a place in a hostel free of charge. In addition, residents outside of school hours can visit various clubs, sections that operate at NJSC "SMU".

Residents studying on an educational grant monthly receive a state scholarship, are provided with a hostel, conditions for rest and food are created in clinical bases. In addition to the scholarship, residents of 2-3 years of study have the opportunity to earn extra money in medical institutions in agreement with teachers in accordance with the NPA on employment opportunities.

Residents in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" provide significant practical assistance to doctors of the clinical base, residents actively work on receiving patients, manage ward patients under the supervision of a clinical mentor, are on duty as an emergency duty officer, serve the population at an outpatient clinic. reception.

In accordance with the Regulations on Residency of NJSC "SMU", the State Standards of Residency, residents are required to master the curriculum in full. The dean's office monitors the progress of residents, including those studying on an individual schedule due to the restoration of their academic leave, illness, etc. certification. Residents who have not mastered the curriculum are not allowed to the final certification and remain for a second course of study.

In case of pregnancy, the resident is released from duty at the clinical base at night.

The main work of the resident is to carry out practical activities, direct work with patients.

***Strengths / best practice***

There are no strengths in this standard.

***WEC recommendations.***

not according to this standard.

***The conclusions of the EEC according to the criteria*** : strong positions - 0, satisfactory - 24 suggest improvements - 0, unsatisfactory - 0.

## 6.5 Standard "Academic Staff / Teachers"

### Evidence

The implementation of the goals and objectives of personnel management is carried out through personnel policy. Employment of teaching staff at NJSC "SMU" is carried out on the basis of the Labor Code of the Republic of Kazakhstan dated November 23, 2015 No. 414-V, the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system" dated July 7, 2020 No. 1360-VI, in accordance with the norms " On approval of the rules for the competitive replacement of positions of the teaching staff and researchers of higher educational institutions ", and the order of the Minister of Education and Science of the Republic of Kazakhstan No. 230 dated April 23, 2015, as well as the Regulations on the competition for the filling of positions of the teaching staff approved on June 27, 2022 NJSC SMU, the Law of the Republic of Kazakhstan "On non-profit organizations" dated January 16, 2001 No. 142, the Law of the Republic of Kazakhstan "On joint-stock companies" dated May 13, 2003 No. 41, the Charter of NJSC "SMU". In accordance with the normative indicators established by the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III "On Education" (As amended: Law of the Republic of Kazakhstan dated April 19, 2019 No. 250-VI); "Education system of the Republic of Kazakhstan. The contingent of students. Basic Provisions", by order of the Minister of Health of the Republic of Kazakhstan dated June 14, 2004 No. 474 "On approval of the norms for calculating the cost of education for one student, residency student, undergraduate, doctoral student (PhD) in educational organizations and scientific organizations in the field of healthcare within the country under the state educational order" the staff of the teaching staff of the residency is determined annually.

Semey Medical University NJSC has developed a personnel policy, approved on March 10, 2018, updated Regulations on the personnel policy of NJSC SMU dated September 30, 2019.

The HR policy includes requirements for hiring clinical mentors. Clinical mentors can be specialists-physicians in the profile specialty (Regulations on the clinical mentor of NAO "SMU", approved on May 12, 2022. According to the personnel policy, employment in NJSC "SMU" is carried out through competitive selection. All information about the upcoming competition for filling vacant places are posted on the website of the university (<https://semeymedicaluniversity.kz/>), in accordance with the Regulations on the competition for filling positions of teaching staff dated 06/27/2022 and through the media, the electronic exchange <https://www.enbek.kz/>. commission is held annually in August before the start of the educational process. For the sake of transparency of the selection processes, the competition is broadcast on Facebook online. Competitive selection of candidates for positions of scientific and pedagogical staff is carried out on the basis of an analytical summary of the results of the applicants' activities in the form of a questionnaire, expert evaluation, testing, interviews, creative reports, copyright protection. By the decision of the competition commission, an employment contract is concluded with the elected persons for the positions of scientific and pedagogical staff of NJSC "SMU". Along with the competitive selection, the university has a system of permanent certification of the teaching staff. Certification includes two consecutive stages: testing and (or) assessment by the "360 degrees" method in accordance with the position held: testing to assess the pedagogical and scientific competencies of an employee - for the teaching staff (professor, associate professor, senior lecturer, lecturer, assistant); testing and evaluation "360 degrees" head of the department; testing on the assessment of proficiency and information and communication technologies for educational and support personnel (laboratory assistants and senior laboratory assistants). The decision on the results of the employee attestation is made by the attestation commission based on the results of an analytical generalization of the results of the first stage and the results of the interview, according to the qualification characteristics of the positions of the teaching staff, administrative and managerial personnel and educational and support personnel in the prescribed manner.

### *Analytical part*

The university provides and monitors training in the above competencies through advanced training, monitoring the implementation of learning outcomes in educational and clinical processes.

The policy of providing the residency program with qualified teaching staff provides for a preliminary discussion of the teaching staff by the following persons: Vice-Rector for Clinical and Postgraduate Education, Head of the Department, Responsible for the specialty of residency and Dean of the SPE, Head of the Human Resources Department. At the same time, important attention is paid to the availability of appropriate education, clinical experience, qualification category in the relevant specialty and profile of the discipline. In addition to full-time employees, representatives of practical healthcare are involved in teaching the residency program, and they are paid in accordance with their teaching load.

NJSC "MUS" guarantees that teachers in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" have enough time to teach. Daily - classroom lessons for residents were one hour. From September 2022, according to the GOSO 2022 - 2 hours. An academic mentor can spend classroom hours daily, at any time - during the working day. The rest of the time, the resident is busy with a clinical mentor and his own independent work.

The work of the academic mentor during the day is planned in such a way that he can complete the teaching load, clinical workload and leave time for scientific research.

Professional development of full-time teachers is carried out once every 5 years, professional development - through training at seminars or master classes with the involvement of foreign experts, also with participation in republican and international conferences, symposiums, etc. Currently, all teachers of the department enter, edit and store information about educational and scientific activities in the personal account of the automated information system "Aisu pro"

To stimulate and support capable young professionals, a system has been developed for the formation of a personnel reserve for managerial staff - the personnel reserve "Nadezhda". In 2007, criteria were developed for selecting candidates for the list of the Nadezhda personnel reserve.

The development of the scientific potential of young scientists of the university is carried out by promoting their scientific and educational works, providing opportunities for training in residency, master's, doctoral studies, participation in republican and international scientific and practical conferences, advanced training and international internships at the expense of the university or through the Ministry of Health of the Republic of Kazakhstan. For the further development of the scientific potential of the teaching staff in 2013, the Regulations on the rules for conferring the academic titles of associate professor (associate professor), professor of NJSC "SMU" were developed and approved.

The ratio of the number of teachers to the number of residents of the specialty "Pediatric Surgery" is 1: 2.5

#### ***Strengths / best practice***

There are no strengths in this standard.

#### ***WEC recommendations***

The management of the PA should develop a policy to support the academic staff based on the results of the assessment of the scientific and academic achievements of teachers. Deadline - until the end of the 2023-2024 academic year

***Conclusions of the EEC according to the criteria:*** strong positions - 0, satisfactory - 7, imply improvement - 1, unsatisfactory - 0.

## 6.6. Standard "Educational Resources"

### *Evidence*

Residents in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" undergo theoretical training and practical training on the basis of the University Hospital of the NJSC "MUS" in Semey, as well as in the children's regional hospital of Pavlodar region and in the TsMIR in Semey. Ust-Kamenogorsk. Practical training is carried out in surgical departments, operating blocks, emergency rooms, in the intensive care unit and intensive care unit, functional diagnostics and therapeutic endoscopy of the University Hospital of NJSC "MUS", the Children's Regional Hospital of Pavlodar, the Center for Medical and Rehabilitation of Ust-Kamenogorsk.

Clinical bases are equipped with modern equipment for instrumental and laboratory research, which allows residents to master practical skills.

NJSC "MUS" regularly checks and improves the technical equipment of the departments. The clinical base of the UG NJSC "MUS" provides the department with lecture halls that use electronic feedback, a conference room with special equipment for teleconferences and teleconferences. Thanks to this, residents have the opportunity to exchange views with pediatric surgeons from other regions of the Republic of Kazakhstan.

It has modern equipment for endoscopic operations, as well as a constantly updated library fund. Thanks to NJSC SMU, various electronic resources are available, such as Uptodate, Cochrane Library, pubmed, medline and many others. Previously, to use these resources, it was necessary to visit the main building of the NAO "SMU", but now there is an opportunity to work on the basis of the department in the UG NAO "SMU", which brings great benefits. In addition, the presence of the Internet in departments and clinical sites makes it possible to work with many resources (Uptodate, Cochrane Library, pubmed, medline, etc.), which offer excellent opportunities for developing not only educational competencies, but also research skills.

NJSC "SMU" has determined a list of clinical bases for training residents in each specialty.

The departments have classrooms for 50 seats, of which 4 classrooms have Internet access to control and train residents, and residents can improve their practical skills at the department of simulation and educational technologies, where there is free access to mannequins, an innovative simulator LapSim, Body Interact - Virtual Patient Simulator and other trainers.

In the Department of Pediatric Surgery of the UG NAO "MUS" there is a sufficient number of patients to master clinical competence and achieve the final learning outcomes. About 1,500 operations are performed annually in the Department of Pediatric Surgery, which is enough to train residents.

Nine residents are trained in the specialty "Pediatric Surgery". All of them have access to a huge number of patients with various diseases (emergency cases of purulent surgery, combined injuries, polytrauma, neurosurgical patients, patients with burns, planned patients, and others). Residents have their own audience, which is equipped with computers, the Internet, a work area and a recreation area.

The surgical department of the children's hospital of the UG NAO "MUS" provides residents with a dressing room and a bathroom. They also have access to a training room for the theoretical part of the classes. When performing work, residents can be sure of their safety, as all necessary conditions are met. Clinical mentors and educators create a safe environment by helping residents learn safe work practices and constantly monitoring their behavior.

The Department of Surgical Disciplines is located in the BSMP, Department of Urology, Semey. It has 5 classrooms with a total area of 72 m<sup>2</sup>, one of which is intended for residents: for recreation and independent work, study of materials.

GKP on REM BSMP in Semey, urology department with a hospital for 20 round-the-clock beds, 10 day-care beds, Andromeda Clinic in Semey, Institution Renal Center in Semey, other bases in hospitals in Ust-Kamenogorsk and the city of Semey. Pavlodar. Medical institutions are equipped with all necessary and modern equipment, computers, multimedia installations, office equipment. For residency training, the university has concluded agreements with these

institutions. In addition, residents have the opportunity to practice practical skills at the Department of Simulation Technologies (former UKC).

Residents constantly assist in operations under the supervision of a clinical mentor, after mastering the competence, residents independently perform operations, participate in clinical reviews, draw up case histories, operation protocols, etc. The presence of an endovideoscopic stand for laparoscopy in the operating room provides great opportunities for residents who can work with modern equipment and learn relevant practical skills. ([https://drive.google.com/file/d/1ARN8I2P4T12WBFZDSc9U2ns8ed9AJtc/view?usp=share\\_link](https://drive.google.com/file/d/1ARN8I2P4T12WBFZDSc9U2ns8ed9AJtc/view?usp=share_link))

All work of the resident is described in detail in the educational program and individual plan. The library is a structural subdivision of the Non-Commercial Joint Stock Company Semey Medical University, which provides information, educational, scientific, cultural and educational activities for students and faculty. In his work, he is guided by the "Rules for the formation, use and preservation of the fund of libraries of state educational organizations" dated January 19, 2016 No. 44, Regulations on the library, Rules for using the library.

The library of NJSC "MUS" has a rich fund of printed publications and publications on electronic media in accordance with the educational program. The volume of the library fund is 769713 copies of publications, of which in the state language - 280265 copies, in Russian - 467008 copies, publications in English - 22440 copies. There is also a fund of publications on electronic media in total - 16099 copies, in the state language - 5222 copies, in Russian - 10065 copies, in English - 812 copies.

The library has access to the national subscription of MN and VO RK to the Scopus and Sciencedirect databases of the Elsevier publishing house. Users successfully work with the open platform Web of science. An annual subscription is made for access to the international database on evidence-based medicine "UP TO DATE", "Cochrane". In addition, the Internet operates at the clinical base and at the department. Residents have the opportunity at any time to use various resources (Uptodate, Cochrane Library, Pubmed, Medline, etc.) when performing research work.

### ***Analytical part***

EEC experts state that within the framework of the standard "Educational Resources" for the Pediatric Surgery program, during the work of the expert commission of the EEC, visits to departments, educational laboratories and practice bases, analysis of the submitted documentation, it was revealed that the material and technical base used to organize the learning process, is sufficient, meets the requirements. Auditoriums and scientific laboratories and other premises used in the implementation of the Pediatric Surgery EP complies with the comfort of the established safety standards and rules. The implementation of educational programs at the university is provided by free access everyone student To informational resources And library fund.

The introduction and development of information technologies at the university is supervised by the Department of Digitalization and Automation of Processes, responsible for formulating and implementing policies on information and communication technologies, <https://amu.edu.az/page/48/centr-organizaciii-upravleniya-informacionnymi-sistemami>, informatization of business processes and educational process.

In accordance with Order No. 152 of the Ministry of Education and Science of the Republic of Kazakhstan "Rules for organizing the educational process on credit technology" with add. the University has developed the "Regulations on the organization of academic mobility within the framework of the Kazakhstani system of transferring credits according to the ECTS type in NJSC "SMU". Promoting regional and international exchange of teachers and residents is one of the strategic directions of the university. The university has concluded agreements on the academic exchange of students and teachers with all Kazakhstani medical universities.

IN SMU held expertise V areas education, considering Problems, processes And practice education with the involvement of practitioners with work experience, psychologists and



sociologists. Internal examination of compliance with the teaching methodology in university implementation educational programs held systematically How on intracathedral level, and internal audit.

The EC confirms the existence of student support systems , including support through the university website , through personal appeals to the dean \_\_\_\_\_ , vice - rector , rector , curator , mentor , adviser , etc. \_\_\_\_\_ the cost of training , the availability of discounts , incentives and thanks from the management for good \_\_\_\_\_ study , scientific work , food system and medical care , living in hostels .

Members of the EEC believe that the existing material and technical base of the university contributes to the expansion of forms and methods of attracting residents to participate in scientific research in the field of medicine, publication activity.

Also, members of the commission, in interviews with residents, drew attention to the difficulties in answering questions, the context of which is related to the use of elements of scientific research, achievements in science and technology in teaching.

### **Strengths / best practice**

1. The university has created conditions for students to acquire practical experience, including the choice and approval of the clinical base as an educational environment: a variety of clinical cases to achieve the goals and objectives of training, including resources both at the inpatient and outpatient levels.

2 The university has created conditions for access for teachers and students to information resources health care to provide medical care for the use of information and communication technologies.

### **WEC recommendations:**

The management of the university to encourage employees to conduct research in medical education. The deadline is before the start of the 2024-2025 academic year.

**The conclusions of the EEC according to the criteria:** strong positions - 2, satisfactory - 12, suggest improvements - 1, unsatisfactory - 0.

## **6.7. Standard "Evaluation of the educational program"**

### ***Evidence***

The Department of Pediatric Surgery of the SMU carries out constant monitoring of EPs in order to improve their efficiency and quality of implementation on the basis of local regulations of the PA. Based on the data obtained, the educational program is adjusted taking into account the main priority areas in education by the responsible structural units for their implementation (Academic Council, Dean's Office, DAR, Academic Committee). The university has implemented a system for collecting and analyzing feedback from consumers through internal and external monitoring. The DAR, the department of the quality management system, the dean's office participate in the implementation of the monitoring. Feedback with consumers is maintained in each structural unit through questionnaires, etc. Additionally, boxes for complaints and suggestions are placed in educational and laboratory buildings.

In order to obtain feedback, a system of questioning students on the quality of organization of practice, conditions on the bases for mastering the real volume of necessary practical skills is widely used. The faculty uses the results of the feedback to improve and update the educational program and encourages teaching staff and students to take part in the evaluation of educational programs and in the subsequent improvement of the program.

An example of the effective use of feedback is the annual survey of residents to assess the level of satisfaction with educational programs. Monitoring and evaluation of the quality of the educational program includes feedback from employers, employees of other specialized educational institutions, feedback on the quality of training and work of graduates, satisfaction of

students and graduates with the organization of the educational process and curriculum. Analysis and evaluation of the educational program are reflected in the reports and minutes of the councils. Many changes in the planning and organization of the educational program were made based on the results of the survey. The results of the survey are heard at a meeting of the departments, AC and the Academic Council of the university to take corrective actions.

The University systematically undergoes external quality assurance assessment procedures conducted by both the Ministry of Health and the Ministry of Education and Science of the Republic of Kazakhstan. The university has passed all stages of national licensing and has licenses for the right to conduct educational activities in the field of training specialists with higher and postgraduate professional education. The activities of the university are certified for compliance with the requirements of the international standard ISO 9001:2015 in relation to educational activities in the field of training specialists with higher and postgraduate professional education.

In the documents submitted by the university, it is stated that according to and n and cyat and ve r at the leadership in at for stop n o \_ are held meropr and i ti i about \_ a n d e c t i c t a n e n t and n t e r e s s, A Also perfect \_ \_ \_ \_ \_ norma t and explicit \_ \_ b a z a. are held in the track with t u d e n t s rector, dean fa k u lteta. At fuss \_ \_ \_ \_ k o n f l i k t a inter s o v \_ with t u d e n t s can u t return \_ \_ \_ \_ To deca n y , ego \_ for am e s t and tel, c h a n e r \_ \_ \_ \_ to the aphedro .

Thus, based on the information provided, it can be concluded that the University monitors educational, scientific and other processes, systematically evaluates the results of activities, for which appropriate procedures and regulations have been developed. The monitoring results are used to improve the EP, and are aimed at the student's progress. Feedback is maintained between teaching staff, residents, management, employers and other stakeholders.

#### *Analytice* \_ \_ \_ \_ \_

Having analyzed the work of the EP according to this standard , the commission notes that \_ \_ \_ \_ \_ the university has a system for evaluating the EP , based on the use of a variety of methods \_ \_ \_ \_ \_ collection , processing and analysis of information in the context of the OP and the University as a whole . \_ \_ Data are provided , proving the involvement of students and staff of the university in the process of TPS \_ \_ \_ \_ \_ .

A survey of students , employers and graduates is conducted , both with the use of information and communication technologies , and in traditional formats / \_ \_ \_ \_ \_ (questionnaires on paper, oral conversation), which was confirmed by the focus group participants. Results, containing evaluation educational programs, are heard on extended meetings Council faculty, UMS, administration, scientist advice With participation leaders organizations practical healthcare.

dean's office, service registrar's office held systematic work on registration and analysis of information on the current, intermediate and final certification of students in disciplines, courses and performance indicators courses and subsequently carried out calculation transferable points.

The members of the commission note that the feedback of stakeholders on improving the quality of the EP, the measures taken, the proposals taken into account from the stakeholders is not organized clearly enough, which was confirmed by graduates, students, and employers.

The commission also drew attention to the information in the documents submitted by the NGOs (Appendix No. 14 of the self-assessment report, presentation by the acting rector) and confirmed at meetings with the management about the negative dynamics of the reduction in the contingent this year by 700 people. The university explains this fact by a decrease in the number of educational grants issued.

At meetings with focus groups of teaching staff, residents, to the question of what active teaching methods are used, both groups gave convincing answers and gave examples of the

forms of training used (C BL , PBL TBL and others) in specific disciplines. Students noted that these forms of education are more motivating to attend classes and contribute to better assimilation of the material.

The presented documents lack the analysis and nature of the decisions made to take into account the achievements of students in the context of previous experience, conditions, level of preparation at the time of admission, selection, planning of the EP. At a meeting with a group of teaching staff, the members of the EEC were explained that such a problem does not exist at the university, in principle, because. the level of applicants is approximately the same. At the same time, in case of missing classes for a good reason, the department organizes their development. Both the teaching staff and the students were able to give the commission an explanation on what grounds such additional classes are possible.

Thus, in general, the SMU monitors educational and other processes, for which the relevant procedures and regulations have been developed. The monitoring results are used to improve the educational program, aimed at the progress of the student. Feedback is maintained between teachers and students, including a system of questioning satisfaction with the educational and other activities of the university, aimed at improving the educational program.

***Strengths / best practice***

There are no strengths in this standard.

***WEC recommendations*** \_\_\_\_\_

not according to this standard.

**The conclusions of the EEC according to the criteria:** strong positions - 0, satisfactory - 9, suggest improvements - 0, unsatisfactory - 0.

**6.8. Standard "Management and Administration"**

***Evidence***

The educational organization has a quality assurance program for postgraduate training. Assessment of employers' satisfaction with the quality of graduate training is carried out by OKKMO. Also, departments receive feedback on the quality of graduate training in the form of feedback from employers (reviews, letters of thanks, etc.).

The transparency of the management of the residency program at the NAO SMU is ensured by the functioning of a number of mechanisms, these include: the functioning of the quality management system and the availability of the Educational program in the specialty of residency, the structure of which includes a description of the purpose of the educational program (mission of the ODA), requirements for applicants for residency in the specialty, a list of recommended educational trajectories, opportunities for further education in educational programs of postgraduate and additional professional education, areas and functions of professional activity of graduates of residency in the specialty, competence model of a graduate in the specialty, a list of the main legal and regulatory acts that regulate training in residency (external and internal), description of responsibility for the implementation of the educational program, the resident's workload, the educational resources of the program, the competence of the teaching staff necessary for the implementation of the program, as well as a description of the procedure for monitoring the implementation of the educational program; the existence of internal regulations (academic policy) governing the process of implementing the residency program; functioning of a system for collecting feedback from stakeholders, including a system for collecting anonymous feedback (vice rector's blog, rector's blog); the functioning of collegial management bodies, including university employees, residents, representatives of practical healthcare (COP of residency specialties, Academic Council, SPE, academic committee, etc.).

Systematic and transparent training of residents is achieved by familiarizing students with key competencies formed in the course of training by competencies (competency model), which are reflected in the educational strategy, the modular program and syllabuses for disciplines .

The general management of the NJSC "SMU" residency and the overall control of all aspects of the implementation of residency programs at the university level is carried out by the Vice-Rector for Clinical and Postgraduate Education. The structural unit responsible for the implementation and effectiveness of residency educational programs is the School of Postgraduate Education (SPE).

The solution of key issues on the organization and implementation of residency programs is carried out at meetings of the COP of residency, the academic committee - a collegial body, which includes heads of departments that implement training of residents, responsible for residency specialties, as well as representatives of practical healthcare, residents, etc.

Direct management of the training of residents for a specific program is carried out by the person responsible for the specialty of residency, individual training of residents and clinical mentors.

Responsible for the specialty of residency, together with OKKMO, ShPO and the Committee for Residency Educational Programs (CEP), participates in the development of the curriculum of the residency program, educational trajectories, together with the graduating department determines the key competencies of the residency graduate, the final learning outcomes, in coordination with other departments that provide training residents, the Committee for Educational Programs.

Responsible for the residency specialty is appointed by the decision of the COP, as a rule, from among the doctors and candidates of sciences working at the profiling department (in rare cases, experienced representatives of practical healthcare working in the departments of clinical bases are involved).

More details about the functions of structural units and employees involved in the process of managing the residency program can be found on the website <https://smu.edu.kz/ru/>

Management of the financial and economic policy and activities of NAO SMU is the responsibility of the first head of the university - Chairman of the Board - Rector. Financial matters are under the jurisdiction of the chief accountant of the university, whose duties and powers are established in the job description and the Regulations on the financial and economic department.

The budget of the university is formed from several sources: the republican budget (state order for the training of university and postgraduate education, advanced training of medical workers, development of scientific research, transfers); local budget; provision of paid educational services.

Financing of the residency program depends on the formation of the annual state order. Every year, the Decree of the Government of the Republic of Kazakhstan approves the state educational order for the training of specialists with higher and postgraduate education , in accordance with which the financing of programs at all levels of training, including residency, is determined.

The applicable norms for calculating the cost of education for one resident, adopted in the Republic of Kazakhstan, serve as a legal basis for the financial and economic calculation of the cost of education for a resident of NJSC "SMU" within the framework of the state educational order, as well as for the rational use of funds allocated from the republican budget for the training of specialists with medical and pharmaceutical education.

Ensuring the implementation of residency programs consists of the salary fund of residency teachers, providing students with educational resources (educational and scientific literature, access to the Internet and international information databases of literature, information and communication technologies), strengthening the program through the participation of residents in master classes of invited foreign specialists, the program of academic mobility, in international and republican conferences, seminars.

The university operates the principle of centralized distribution of financial resources and the formation of tangible assets. The distribution of financial resources is carried out in accordance with the approved form of the FCD plan for the current year.

The report on the financial activities of the university is annually considered at a meeting of the Supervisory Board.

The organization of the educational process in residency is carried out by the SPE together with the responsible for the specialty of residency, the educational department, the Office of the Registrar, OKKMO, the research department, the committee of educational programs for residency, and the profiling department.

Working curricula, schedules and academic calendars for residency specialties are compiled annually by the educational department in agreement with the School of Professional Education on the basis of the TUPL of the residency specialty, and presented at a meeting of the Academic Committee of the NAO SMU.

The Training Department exercises control over the movement of the contingent of residents on the basis of data on the contingent provided by the ShPO on a monthly basis.

The formation of orders for residency and individual residents is carried out by the Education Department on the basis of draft orders and decisions of the dean's office provided by the School of Education, in some cases (change of surname, sending on a business trip, going on academic leave, transfer or restoration of a resident, etc.) - on the basis of applications from a resident upon agreement with the dean of the School of Professional Education, deputy chairman of the board for clinical and postgraduate education, accounting, rector.

### ***Analytical part***

The Commission notes that the university has defined management structures, structural divisions and their functions, which include academic staff, residents, representatives of practical healthcare, which is confirmed by the submitted documents, the results of interviews with various focus groups, from the leadership of the NGO to employers. Decisions made at different levels are transparent, communicated to stakeholders by mailing by corporate e-mail, published on the website Meeting materials are published in the form of minutes and posted electronically on the website

All information about the educational programs of the University is posted on the official website [www.smu.edu.kz/](http://www.smu.edu.kz/), which has three versions in Kazakh, Russian, and English. External stakeholders have free access to the mission, goals of the EP, which are uploaded on the university website <https://smu.edu.kz/ru/educational-programs/>.

The section "Admission" <https://smu.edu.kz/ru/postuplenie/rezidentura/> provides information for applicants for residency (list of required documents, thematic plans, rules for the entrance exam, testing schedule)

Every year, teaching staff, ShPO holds an open day for everyone who wants to enter residency in various specialties.

Placement of announcements about the competition for admission to residency is carried out by publishing on the website, in the media, medical universities are notified

Materials about graduates and their employment opportunities are posted on the university website in the "Employment of graduates" section <https://smu.edu.kz/ru/trudoustroystvo-vypusknikov/>, and are also monitored by the graduate employment department and the Medical Foundation.

The University website provides information about the teaching staff, their achievements in research, clinical, teaching and educational activities <https://smu.edu.kz/ru/onas/korporativnoe-upravlenie/struktura/kafedry/>.

The university is represented in social networks Facebook, Twitter, Instagram, You Tube, Vkontakte, Telegram, where information about the educational program and its achievements is announced.

**Strengths / best practice**

No strengths have been identified for this standard.

**WEC recommendations** \_ \_ \_ \_ \_

There are no recommendations for this standard.

**The conclusions of the EEC according to the criteria:** strong positions - 0, satisfactory - 14, suggest improvements - 0, unsatisfactory - 0.

**6.9. Continuous Improvement Standard****Evidence**

The University is an educational organization of higher education, which, as one of the main goals of its activity, carries out educational activities in educational programs of higher and postgraduate professional education.

The SMU is a dynamically developing educational institution with a socially responsible approach to training in pediatric surgery at the national and international level. The renewal process at the University is based on the implementation of the mission, vision of the university, based on improving the quality of education at the university through the introduction of innovations in education, science and practice; as well as on improving the policy of recruitment of residents and personnel policy; strengthening educational resources; improving the monitoring and evaluation of programs; management structures of the University.

The analysis allows you to assess the opportunities for improvement and the need for changes in the quality management system, identify existing problems and develop a system of measures to improve it and the need for changes.

The processes of updating the educational program and its improvement take place taking into account the knowledge and skills acquired by the teaching staff at training events (seminars, master classes, conferences), as a result of cooperation with leading educational and scientific organizations (programs of cooperation with leading foreign medical schools are being implemented), implementation innovative educational technologies ( PBL , CBL, RBL, integrated lectures, etc.); updating the classroom fund, material and technical base.

Academic freedom in the preparation of educational programs, the availability of elective disciplines allows the University to make appropriate adjustments to educational programs, which provides opportunities for the development of elective disciplines, taking into account the changing conditions of the external and internal environment: the demographic situation, the structure of the incidence of the population and cultural conditions, the needs of society for protection health. When developing educational programs, a prerequisite is to take into account the needs of stakeholders.

**Analytical part**

After analyzing the submitted documents, the results of interviews, and surveys, the EEC members conclude that the University is a dynamic, socially responsible organization that initiates procedures for assessing, monitoring, reviewing content, learning outcomes, assessment and the learning environment in general, allocating resources for continuous improvement.

The renewal processes are aimed at adapting the mission, final results, methodological approaches to the scientific, socio-economic development of modern society, the needs of the postgraduate level of training.

The University adjusts the elements of the educational program taking into account advances in the biomedical, behavioral, social and clinical sciences, changes in the demographic situation and the health status / morbidity structure of the population. However, attention should be paid in the future to the placement of clearer accents for students in the EP when new

scientific knowledge, concepts, methods, technologies are included in the syllabuses, and the exclusion of obsolete ones.

The recruitment policy, the formation of the academic staff, the renewal of educational resources, the improvement of the organizational structure and management principles are adapted to the changing needs of all stakeholders.

Thus, according to this standard as a whole, it can be stated that the administration and staff of the university are working on continuous improvement.

**Strengths / best practice** \_\_\_\_\_

No strengths were identified for this standard.

**WEC recommendations** \_\_\_\_\_

There are no recommendations for this standard.

**The conclusions of the EEC according to the criteria:** strong positions - 0, satisfactory - 12, suggest improvements - 0, unsatisfactory - 0.

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

**7.1 Mission and Deliverables Standard**

1. When implementing EP 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric", a professional approach to the training of doctors and the formation of professional autonomy are ensured, which makes it possible in the future to act in the best interests of the patient and society.

**7.2 Standard "Educational program"**

No strengths were identified for this standard.

**7.3 Standard "Evaluation of the educational program"**

No strengths were identified for this standard.

**7.4 Standard "Students"**

No strengths were identified for this standard.

**7.5 Student Assessment Standard**

No strengths were identified for this standard.

**7.6. Standard "Academic Staff / Teachers"**

1. The university has created conditions for students to acquire practical experience, including the choice and approval of the clinical base as an educational environment: a variety of clinical cases to achieve the goals and objectives of education, including resources both at the inpatient and outpatient levels.

2. The university has created conditions for access for teachers and students to healthcare information resources for providing medical care to the population using information and communication technologies.

**7.7 Standard "Educational Resources"**

No strengths were identified for this standard.

**7.8 Management and administration standard**

No strengths were identified for this standard.

**Continuous improvement standard**

No strengths were identified for this standard.

**(VIII) OVERVIEW OF RECOMMENDATIONS FOR IMPROVING QUALITY****8.1 Mission and Deliverables Standard**

There are no recommendations for this standard.

**8.2 Standard "Educational program"**

1. The management of the EP should include disciplines in the EP that involve a critical assessment of literature and scientific data.

2. The management of the EP reflect in the EP the results of the previous basic medical education (disciplines or learning outcomes).

**8.3 Standard "Evaluation of the educational program"**

1. The management of the EP to expand the set of assessment methods and formats used, including the use of several assessors and several assessment methods.

2. University management to develop a system for assessing the reliability, validity and fairness of the assessment methods used, as well as to train teaching staff in this system.

**8.4. Standard "Students"**

There are no recommendations for this standard.

**8.5 Student Assessment Standard**

To the management of the NGO to develop a policy to support the academic staff based on the results of the assessment of the scientific and academic achievements of teachers

**8.6 Standard "Academic Staff/Teachers"**

The management of the NGO to encourage employees to conduct research in medical education.

**8.7 Standard "Educational Resources"**

There are no recommendations for this standard.

**8.8 Management and administration standard**

There are no recommendations for this standard.

**8.9 Continuous improvement standard**

There are no recommendations for this standard.

**(IX) OVERVIEW OF THE RECOMMENDATION FOR THE DEVELOPMENT OF EDUCATIONAL ORGANIZATION**

During the work of the EEC IAAR, which took place in a hybrid format, meetings were held with the administration of the University, heads of structural divisions, teaching staff, residents, main stakeholders, documents of the educational organization, Internet resources were studied, the results of which can be used to judge the improvement process at the University in general, and according to OP 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Pediatric" in particular, since the previous accreditation in 2018.



**(X) RECOMMENDATION TO THE ACCREDITATION BOARD**

The members of the external expert commission came to the unanimous opinion that educational programs in the specialties 7R01123 "Pediatric Surgery" and 7R01146 "Urology and Andrology, Adult, Children" implemented by the "Semey Medical University" can be reaccredited for a period of 5 years.

**Annex 1. Evaluation table "PARAMETERS OF A SPECIALIZED PROFILE" OF 7R01123 "Pediatric surgery" and 7R01146 "Urology and andrology, adult, pediatric"**

No. p \p	No. p \p	Crit No.	CRITERIA FOR EVALUATION	Position OO			
				strong	Satisfactory	Assumes improvement	Unsatisfactory
Standard 1 "MISSION AND OUTCOMES OF LEARNING"							
1.1 Mission definition							
The educational organization should:							
1	1	1.1.1.	define the mission of the EP of postgraduate medical education and communicate to stakeholders and the health sector		+		
2	2	1.1.2.	define the mission based on the needs of society in matters of health, the needs of the system of medical care, other aspects of social responsibility		+		
3	3	1.1.3.	define a training program containing theoretical and practical components with an emphasis on the latter, the result of which will be a doctor: competent in the chosen field of medicine, including good medical practice, able to work independently at a high professional level, able to work in a professional and interprofessional team, willing to learn throughout life and to participate in continuing medical education/professional development. capable of providing appropriate patient care that is appropriate, effective, compassionate and safe in solving health problems and in health promotion, including a patient-centred and systems approach		+		
4	4	1.1.4.	provide appropriate working conditions for students to maintain their health		+		
5	5	1.1.5.	ensure that the mission of the EP includes the development of innovations in the educational process, allowing the development of broader and more specialized competencies than those defined within the core competencies required; development of the scientific competence of students so that doctors can conduct research work in the chosen field of medicine; opportunities for doctors to become active participants in addressing issues related to the social determinants of health		+		

1.2 Professionalism and professional autonomy							
The educational organization should:							
6	6	1.2.1.	include professionalism in physician training and ensure that training promotes professional autonomy to enable future action in the best interest of the patient and society	+			
7	7	1.2.2.	provide for cooperation with the government and other partners, while maintaining appropriate independence from them		+		
1.3. Learning Outcomes							
The educational organization should:							
8	8	1.3.1.	define the expected learning outcomes that trainees should achieve upon completion of their studies in relation to their achievements at the postgraduate level in terms of knowledge, skills and behavior/attitudes, an appropriate basis for a future career in the chosen medical field, their future roles in the health sector, commitment and skills in the implementation of continuing education, the health needs of society, the needs of the health care system and other aspects of social responsibility, professional behavior		+		
9	9	1.3.2.	define and publish the expected learning outcomes: general and specialty-specific, which are required to be achieved by students		+		
10	10	1.3.3.	to ensure the proper behavior of students in relation to classmates, teachers, medical staff, patients and their relatives		+		
elev en	elev en	1.3.4.	define expected learning outcomes based on the results obtained at the level of basic medical education to ensure the interaction between basic and postgraduate medical education		+		
12	12	1.3.5.	provide for the possibility of students participating in research in the relevant field of health		+		
1.4. Participation in the formulation of the mission and learning outcomes							
The educational organization should:							
13	13	1.4.1.	ensure the participation of key stakeholders in the formulation of the mission and expected learning outcomes		+		
14	14	1.4.2.	ensure that the stated mission and expected learning outcomes are based on the opinions/suggestions of other stakeholders		+		
Total				1	13	0	0
Standard 2. EDUCATIONAL PROGRAM							
2.1. Teaching approach							
The educational organization should:							
15	1	2.1.1.	define a learning approach based on the expected learning outcomes and official certificates of qualification provided as the basis for official recognition of a specialist in the chosen field of medicine at the national and international level		+		
16	2	2.1.2.	define an approach to learning based on the results of basic medical education, systematically and transparently, using practice-oriented learning that includes and supports the personal participation of the student in the provision of medical care and responsibility for the patient, their own educational process and clinical practice		+		

17	3	2.1.3.	use suitable teaching methods that integrate practical and theoretical components, guide the learner through mentoring and regular assessment and feedback, including commitment to ethical requirements and standards		+		
18	4	2.1.4.	ensure that the educational program is implemented in accordance with the principles of equality, inform students about the program, the rights and obligations of students		+		
19	5	2.1.5.	increase the degree of independence and responsibility of the student as knowledge, skills, and experience are improved		+		
20	6	2.1.6.	provide for the ability to determine gender, cultural and religious characteristics and properly prepare the trainee to interact with the specified patient population		+		
2.2. scientific method							
The educational organization should:							
21	7	2.2.1.	throughout the entire curriculum to instill in students the principles of scientific methodology, including methods of analytical and critical thinking; research methods in healthcare and evidence-based medicine		+		
22	8	2.2.2.	strive to include in the EP a critical assessment of the literature and scientific data, adapt the content based on scientific developments in medicine, change the EP, taking into account the achievements of scientific, technological, medical and pharmaceutical developments, the current and expected needs of society and the healthcare system			+	
2.3 Training content							
The educational organization should:							
23	9	2.3.1.	include in the learning process the practice and theory of basic biomedical, clinical, behavioral, social sciences and preventive medicine, clinical decision, communication skills, medical ethics, public health, medical jurisprudence and forensic science, management disciplines, patient safety, physician protection, complementary medicine		+		
24	10	2.3.2.	organize an educational program with appropriate attention to patient safety and independence		+		
25	eleven	2.3.3.	adjust and make changes to the EP to ensure the development of knowledge, skills and thinking of the various roles of the graduate, the compliance of the content of the EP with changing conditions and the needs of society and the healthcare system		+		
2.4. The structure of the educational program, content and duration							
The educational organization should:							
26	12	2.4.1.	give a description of the content, scope and sequence of courses and duration of the EP; define mandatory and optional components; combine practice and theory in the learning process; ensure compliance with national legislation to be presented and described; ensure adequate impact on how local, national or regional health systems address the health problems and health care needs of the population		+		
27	13	2.4.2.	take into account learning outcomes previous basic medical education related to the chosen field of medicine			+	

28	14	2.4.3.	determine the requirements for a graduate to fulfill various roles in the healthcare system		+			
2.5. Organization of training								
The educational organization should:								
29	15	2.5.1.	define responsibilities and authorities for organizing, coordinating, managing and evaluating the individual learning environment and learning process		+			
thirty	16	2.5.2.	include in the planning and development of the educational program due representation from the teaching staff, students and other key and relevant stakeholders		+			
31	17	2.5.3.	plan training in such a way as to familiarize the student with a wide range of existing practical experience in the chosen field of medicine		+			
32	18	2.5.4.	guarantee a variety of places of study, coordinate multiple places of study to obtain appropriate access to different aspects of the chosen field of medicine		+			
2.6. Linking education, medical practice and the healthcare system								
The educational organization should:								
33	19	2.6.1.	describe and observe the integration between theoretical training and professional development, develop learning through medical practice and professional development; integrate education and medical practice through patient care; ensure that training complements and addresses health care needs		+			
34	20	2.6.2.	strive to effectively use the capacity of the health care system to provide medical care for the purposes of education		+			
Total				0	18	2		
Standard 3. STUDENT ASSESSMENT								
3.1. Assessment Methods								
The educational organization should:								
35	1	3.1.1.	develop and implement a policy of attestation/assessment of students; determine, approve and publish the principles, goals, methods and practice of assessing students, including, if necessary, with verification by specialists;		+			
36	2	3.1.2.	ensure that assessment procedures cover knowledge, skills, attitudes and professional conduct		+			
37	3	3.1.3.	use a complementary set of assessment methods and formats according to their "assessment performance", including the use of multiple assessors and multiple assessment methods			+		
38	4	3.1.4.	define criteria for taking exams or other types of assessment, including the number of retakes allowed		+			
39	5	3.1.5.	assess and document the reliability, validity and fairness of assessment methods			+		
40	6	3.1.6.	use a fair or due process appeal system		+			
41	7	3.1.7.	introduce new assessment methods in accordance as needed, document the different types and stages of training and assessment		+			
42	8	3.1.8.	encourage the process of peer review of assessment methods by external experts		+			
3.2. Relationship between assessment and learning								
The educational organization should:								

43	9	3.2.1.	use assessment principles, methods and practices that are consistent with expected outcomes and learning methods; ensure that learners achieve expected learning outcomes; contribute to the learning of students; ensure the adequacy and relevance of training; provide timely, specific, constructive and objective feedback to trainees based on the assessment of their performance		+			
44	10	3.2.2.	seek to use assessment principles, methods and practices that encourage integrated learning, encourage student involvement in clinical practice, promote interprofessional training		+			
Total				0	8	2	0	
Standard 4. STUDENTS								
4.1. Selection and admission policy								
The educational organization should:								
45	1	4.1.1.	define and implement an admissions policy based on the mission of the organization and including a clearly defined statement of the student selection process		+			
46	2	4.1.2.	ensure a balance between learning opportunities and student acceptance; formulate and implement policies / rules for the selection of students according to established criteria; have and implement the practice of accepting students with disabilities in accordance with the current laws and regulations of the country; ensure a high level of knowledge and skills in the field of basic biomedical sciences, achieved at the previous level of basic medical education; ensure transparency and fairness of the selection procedure		+			
47	3	4.1.3.	have a policy and implement the practice of transferring students from other educational organizations		+			
48	4	4.1.4.	take into account in the selection procedure the specific opportunities of potential trainees to improve the quality of education in the chosen field of medicine; guarantee the transparency of the selection procedure; provide for an appeal mechanism for admission decisions		+			
49	5	4.1.5.	involve student associations and other stakeholders in the policy development and selection process by periodically reviewing the admissions policy and rules		+			
4.2. Number of students								
The educational organization should:								
50	6	4.2.1.	determine the number of accepted students in accordance with: clinical/practical training opportunities, the ability of the BO to conduct appropriate control and monitoring of the educational process, logistical and other available resources information about the health needs of society and society		+			
51	7	4.2.2.	periodically review the number and cohort of enrolled students in consultation with relevant stakeholders responsible for health workforce planning and development		+			
52	8	4.2.3.	adapt the number of potential trainees, taking into account available information on the number of qualified candidates and information on national and international labor markets; adjust the number of potential trainees, taking into account the inherent unpredictability of the exact workforce needs of specialists in various fields of medicine		+			

4.3. Advice and support for students					
The educational organization should:					
53	9	4.3.1.	provide students with access to the system of academic counseling for students	+	
54	10	4.3.2.	base academic advising on monitoring and controlling student progress, including analysis of unintentional incidents	+	
55	elev en	4.3.3.	offer a support program to learners that addresses social, financial and personal needs	+	
56	12	4.3.4.	allocate resources for social and personal support of students; ensure confidentiality regarding advice and support	+	
57	13	4.3.5.	offer career guidance, professional career planning advice	+	
58	14	4.3.6.	provide counseling to support in the event of a professional crisis; involve organizations / associations of students in solving problem situations of students	+	
4.4. Student representation					
The educational organization should:					
59	15	4.4.1.	define and implement a policy of student representation and their respective participation in the development of the mission and intended learning outcomes, in the development of the EP, the planning of learning conditions for students, the assessment and management of the EP	+	
60	16	4.4.2.	encourage the representation of students to participate in decision-making on educational processes, conditions and rules of education	+	
4.5 Working conditions					
The educational organization should:					
61	17	4.5.1.	implement a training program with the availability of appropriate remuneration / scholarships or other ways of financing and motivating students	+	
62	18	4.5.2.	ensure that trainees have access to patient care, including doctor on call where appropriate	+	
63	19	4.5.3.	define and publish working conditions and responsibilities of students	+	
64	20	4.5.4.	provide for interruption of studies caused by pregnancy (including maternity/paternity leave, parental leave), illness, military service or secondment for additional training	+	
65	21	4.5.5.	strive so that the work components in the work of the student do not dominate the educational component / training	+	
66	22	4.5.6.	take into account the needs of patients, the continuity of care and the educational needs of students, while drawing up a work plan and schedule, including work on call	+	
67	23	4.5.7.	allow distance learning under special circumstances, in accordance with the individual educational trajectory and work experience of the student, providing evidence that the overall duration and quality of distance learning is not less than face-to-face education	+	
68	24	4.5.8.	provide for the possibility of continuing education under the conditions of interruptions of studies related to pregnancy	+	

			(including maternity / paternity leave), illness, military service or secondment				
Total				0	24	0	0
Standard 5. ACADEMIC STAFF/TEACHERS							
5.1. Recruitment and selection policy							
The educational organization should develop and implement a staff selection and recruitment policy that:							
69	1	5.1.1.	takes into account the necessary criteria for employment with the condition of examination of documents; contains criteria for scientific, pedagogical and clinical/professional merit of applicants, including a proper balance between pedagogical, scientific and professional qualifications		+		
70	2	5.1.2.	determines the responsibilities of teachers, including the balance between teaching, research and other functions, taking into account the mission of the EP, the needs of the education system and the needs of the healthcare system		+		
71	3	5.1.3.	ensures that teachers have practical experience in the relevant field, are recognized experts in the relevant field, that teachers of subspecialties, if necessary, are approved for appropriate periods of study depending on their qualifications		+		
72	4	5.1.4.	encourages participation in programs to develop their educational potential, use the expertise of educational activities to increase the potential of the academic staff, determine the level of remuneration for participation in postgraduate education		+		
5.2. Personnel activity and development policy							
The educational organization should develop and implement a policy for the activities and development of personnel, which is aimed at:							
73	5	5.2.1.	Ensuring that educators have enough time for teaching, advising and self-development		+		
74	6	5.2.2.	the presence of a structure responsible for the development academic staff, ensuring periodic evaluation of the academic staff		+		
75	7	5.2.3.	development and implementation of a policy to support the academic staff on issues of pedagogy and advanced training for further professional development; evaluate and recognize the scientific and academic achievements of teachers			+	
76	8	5.2.4.	the ability to take into account the teacher-student ratio”, depending on the various components of the EP, taking into account the features that ensure close personal interaction and monitoring of students		+		
Total				0	7	1	0
Standard 6. EDUCATIONAL RESOURCES							
6.1. Material and technical base							
The educational organization should:							
77	1	6.1.1.	provide students with sufficient material and technical base to ensure adequate implementation of the EP, space and opportunities for practical and theoretical research; access to up-to-date professional literature; adequate information and communication technologies; modern equipment for teaching practical methods; safe learning environment	+			

78	2	6.1.2.	improve the learning environment by regularly updating, expanding and strengthening the material and technical base and equipment to maintain the appropriate quality of education at the postgraduate level		+			
6.2. Educational environment								
The educational organization should:								
79	3	6.2.1.	provide the necessary resources for students to acquire adequate practical experience, including the selection and approval of the clinical base as an educational environment; having access to sufficient clinical/practical facilities/bases to provide training; sufficient number and variety of patients; appropriate variety of clinical cases to achieve the goals and objectives of the training, including the use of resources at both inpatient and outpatient levels to provide the trainee with a broad experience in the chosen field of medicine		+			
80	4	6.2.2.	when choosing a training environment, ensure the number of patients and the corresponding variety of clinical cases, allowing for clinical experience in all aspects of the chosen specialty, including training in the organization and management of health care and disease prevention; training at the university clinic, as well as training in other relevant clinics / institutions and community facilities / locations, if necessary		+			
6.3. Information Technology								
The educational organization should:								
81	5	6.3.1.	provide access to information and communication technologies and other electronic media		+			
82	6	6.3.2.	effectively and ethically use information and communication technologies in the EP		+			
83	7	6.3.3.	provide for the possibility of access for teachers and students to use information and communication technologies: for self-study; communication with colleagues; access to health information resources and related patient data; supervision of patients and work in the health care system to provide medical care		+			
6.4 Clinical teams								
The educational organization should:								
84	8	6.4.1.	provide students with the opportunity to gain experience working in a team with colleagues and other health professionals		+			
85	9	6.4.2.	encourage learning in a multidisciplinary/interprofessional team, promote the development of the ability to guide and train other health professionals		+			
6.5. Medical and scientific research								
The educational organization should:								
86	10	6.5.1.	guarantee and ensure the conditions for the acquisition by students of knowledge in the field of research methodology and the ability to apply scientific foundations and research methods in the chosen field of medicine, ensure integration and balance between teaching and research		+			
87	eleven	6.5.2.	encourage students to participate in medical scientific research devoted to the study of the condition		+			



			and the quality of public health and the health care system, provide sufficient time within the educational program for students to conduct research, provide access to research facilities and activities in places of study				
6.6. Expertise in the field of education							
The educational organization should:							
88	12	6.6.1.	define and implement a policy for the use of educational expertise at the planning, implementation and evaluation stage of the program		+		
89	13	6.6.2.	to stimulate the development of expertise in the evaluation of education and research in medical education as a discipline, to promote the aspiration and interest of employees in conducting research in medical education			+	
6.7. Education in alternative conditions and exchange in the field of education							
The educational organization should:							
90	14	6.7.1.	define and implement a policy of accessibility of individual learning opportunities in other educational institutions of the appropriate level within or outside the country, transfer and offset of educational credits and learning outcomes		+		
91	15	6.7.2.	promote regional and international exchange of staff (academic, administrative and teaching staff) and students, providing appropriate resources; create links with relevant national and international bodies in order to exchange and mutually recognize elements of training		+		
Total				2	12	1	0
<b>Standard 7. EVALUATION OF THE EDUCATIONAL PROGRAM</b>							
7.1. Program monitoring and evaluation mechanisms							
The educational organization should:							
92	1	7.1.1.	have regulated procedures for monitoring, periodic evaluation of the EP, learning outcomes, progress and academic performance of students with the involvement of key stakeholders		+		
93	2	7.1.2.	regularly monitor the EP, assess the relationship between personnel policy and the needs in the field of education and health care, evaluate the educational process, student assessment methods, student progress, academic staff qualifications, evaluate and analyze identified problems, make sure that the relevant assessment results affect the quality of the EP		+		
94	3	7.1.3.	make the assessment process and results transparent to all stakeholders		+		
7.2. Feedback from teacher and student							
The educational organization should:							
95	4	7.2.1.	systematically conduct, analyze and respond to feedback from teachers and students		+		
96	5	7.2.2.	actively involve faculty and students in planning program evaluation and using evaluation results to improve the program		+		
7.3 Learning outcomes for qualified professionals							
The educational organization should:							
97	6	7.3.1.	constantly monitor qualified specialists / graduates; provide feedback on the clinical practice of qualified professionals / graduates from employers; establish and apply a mechanism for evaluating the program using the data collected from the results of the clinical practice of qualified professionals / graduates		+		

98	7	7.3.2.	inform the structural units responsible for the selection of students, the development and planning of the educational program, and counseling of students about the results of the assessment of the clinical practice of graduates		+			
<b>7.4. Stakeholder Engagement</b>								
The educational organization should:								
99	8	7.4.1.	involve key stakeholders in monitoring and evaluation of the EP		+			
100	9	7.4.2.	provide access to interested parties for the results of evaluation of the course and the educational program; take into account the results of feedback from qualified specialists / graduates; take into account the results of feedback on the EP		+			
<b>Total</b>				<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Standard 8. MANAGEMENT AND ADMINISTRATION</b>								
<b>8.1. Control</b>								
The educational organization should:								
101	1	8.1.1.	document the completion of training by issuing degrees, diplomas, certificates or other formal qualifications; provide evidence of formal qualifications provided as a basis for the official recognition of a specialist in the chosen field of medicine at the national and international level		+			
102	2	8.1.2.	be responsible for quality assurance processes		+			
103	3	8.1.3.	ensure that the EP meets the needs of society in terms of health and the health care system, ensure the transparency of the work of management structures and their decisions		+			
<b>8.2. Academic leadership</b>								
The educational organization should:								
104	4	8.2.1.	take responsibility for leadership/academic leadership and organization of postgraduate medical education		+			
105	5	8.2.2.	periodically evaluate the academic leadership regarding the achievement of the mission of the EP and the expected learning outcomes		+			
<b>8.3. Training budget and resource allocation</b>								
The educational organization should:								
106	6	8.3.1.	have a clear distribution of responsibility and authority to provide resources for the educational program, including the target budget for training		+			
107	7	8.3.2.	allocate the resources necessary for the implementation of the EP and distribute educational resources in accordance with their needs		+			
108	8	8.3.3.	manage the budget in such a way as to ensure the functional responsibilities of the academic staff and students, the introduction of innovations in the program		+			
<b>8.4. Administrative staff and management</b>								
The educational organization should:								
109	9	8.4.1.	have an appropriate administrative staff, including their number and composition in accordance with qualifications, to ensure the implementation of the OP and related activities; ensure proper management and allocation of resources		+			

110	10	8.4.2.	develop and implement an internal management quality assurance program, including regular reviews and submission by the academic management of the EP for regular review to achieve high quality		+			
8.5. Requirements and rules								
The educational organization should:								
111	elevation	8.5.1.	comply with national legislation regarding the number and types of recognized medical specialties for which approved OPs are being developed		+			
112	12	8.5.2.	to discuss and approve the program of postgraduate medical education in cooperation with all interested parties		+			
8.6. Public information								
The educational organization should:								
113	13	8.6.1.	publish on the official website of the educational organization and in the media complete and reliable information about the study program and its achievements		+			
114	14	8.6.2.	publish on the official website objective information about the employment and demand for graduates		+			
Total				0	14	0	0	
Standard 9. PERMANENT UPDATE								
The educational organization should:								
115	1	9.1.1.	initiate procedures for regular review and updating of the process, structure, content, learning outcomes / competencies, assessment of knowledge and skills, learning environment of the EP; document and correct deficiencies; allocate resources for continuous improvement		+			
116	2	9.1.2.	base the update process on prospective health care research and on the results of our own research, evaluation, and medical education literature		+			
The educational organization must ensure that the process of renewal and restructuring leads to a revision of policy and practice in accordance with previous experience, current activities and future prospects, provide an opportunity to address the following issues in the renewal process:								
117	3	9.1.3.	direct the renewal process towards adapting the mission statement and expected results to the scientific, socio-economic and cultural development of society		+			
118	4	9.1.4.	direct the renewal process towards modifying the expected learning outcomes of graduates in accordance with the documented needs of the environment and the labor market, including clinical skills, training in public health issues and participation in the process of providing medical care to patients in accordance with the responsibilities that are assigned to graduates after graduation from the GA		+			
119	5	9.1.5.	guide the renewal process towards adapting teaching approaches and teaching methods to ensure they are appropriate and relevant		+			
120	6	9.1.6.	direct the renewal process to adjust the structure, content and duration of the EP and their relationship in accordance with advances in the biomedical, behavioral, social and clinical sciences, with changes in the demographic situation and health status / morbidity structure of the population and socio-economic and cultural conditions, and the adjustment process will ensure the inclusion of new relevant knowledge, concepts and methods, and the exclusion of obsolete ones		+			

121	7	9.1.7.	direct the renewal process towards the development of principles and methods of assessment, and the methods of conducting and the number of examinations in accordance with changes in learning outcomes and teaching and learning methods		+		
122	8	9.1.8.	guide the renewal process towards adapting student recruitment policies and student selection methods to reflect changing expectations and circumstances, staffing needs, changes in the postgraduate education system and the needs of the SP		+		
123	9	9.1.9.	direct the renewal process towards adapting recruitment and staffing policies to changing needs		+		
124	10	9.1.10.	direct the renewal process to update educational resources in accordance with changing needs, such as enrollment, number and profile of academic staff, EP and modern teaching methods		+		
125	elevation	9.1.11.	direct the renewal process to improve the process of monitoring, control and evaluation of the EP		+		
126	12	9.1.12.	direct the renewal process towards improving the organizational structure and management principles to ensure effective operation in the face of changing circumstances and the needs of postgraduate education, and, in the long term, to meet the interests of various stakeholder groups.		+		
Total				0	12	0	0
TOTAL TOTAL				3	117	6	

**Annex 2. PROGRAM OF THE VISIT TO THE EDUCATIONAL INSTITUTION**



АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТИҢ  
ТӘУЕЛСІЗ АГЕНТТІГІ

НЕЗАВИСИМОЕ АГЕНТСТВО  
АККРЕДИТАЦИИ И РЕЙТИНГА

INDEPENDENT AGENCY FOR  
ACCREDITATION AND RATING

**AGREED**

**Chairman of the Board - Rector  
NAO "Medical University  
Families"**

\_\_\_\_\_ **Dyusupov A.A.**  
" " \_\_\_\_\_ **2023**

**APPROVE**

**CEO**

**NU "Independent agency  
accreditation and rating"**

\_\_\_\_\_ **Zhumagulova A.B.**  
« » \_\_\_\_\_ **2023 years**

**PROGRAM OF THE VISIT OF THE EXTERNAL EXPERT COMMISSION  
INDEPENDENT ACCREDITATION AND RATING AGENCY (IAAR)  
IN NJSC "MEDICAL UNIVERSITY OF FAMILIES "  
INTERNATIONAL SPECIALIZED ACCREDITATION OF EDUCATIONAL PROGRAMS  
6B10113 PUBLIC HEALTH (primary accreditation);  
7R01156 CLINICAL LABORATORY DIAGNOSIS (primary accreditation);  
7R01123 PEDIATRIC SURGERY (re-accreditation)  
7R01146 UROLOGY AND ANDROLOGY ADULTS, CHILDREN (re-accreditation)**

**Date of the visit: May 30-31, June 1 , 2023**

**Semey , 2023**

date and time	EEC work with target groups	Position and Last name, first name, patronymic of target group participants	Contact Form
<i>May 29, 2023</i>			
16.00 - 17.00	Preliminary meeting of the EEC	<i>External IAAR experts</i>	Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 <i>(only for VEC)</i>
<i>Day 1: May 30, 2023</i>			
10.00-10.30 (30')	Distribution of responsibility of experts, solution of organizational issues	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 <i>(only for VEC)</i>
10.30-11.00 (30')	Meeting with the rector of the university	Chairman of the Board - Rector of NJSC "SMU" - <b><i>Dyusupov Altai Akhmetkalievich</i></b>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
11.00 - 11.40 (40')	Meeting with the university administration	1. <b>Vice-Rector for Academic and Educational work</b> - <i>Smailova Zhanargul Kayyrgalievna</i> ; 2. <b>Vice-Rector for Clinical and Postgraduate Education</b> – <i>Berikkuly Duman</i> ; 3. <b>Vice-rector for organizational and economic work</b> - <i>Tursinkanbetova Yerkezhan Sayatovna</i> . 4. <b>Acting Vice-Rector for Science and Strategic Development</b> - <i>Kyrykbayeva Saltanat Sayatovna</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
11.40-11.45 (5')	<i>technical break</i>		
11.45-12.20 (35')	Meeting with the heads of structural divisions of the NGO	1. Head of the department for quality control of medical education - <b><i>Uruzbaeva Gulmira Aidarkanovna</i></b> ; 2. Head of the educational department - <b><i>Gulnara Zhomartovna Kusainova</i></b> ; 3. Office registrar - <b><i>Rakhimzhanova Bayan Kuraltaevna</i></b> ; 4. Head of the department for the employment of graduates and the Medical Foundation - <b><i>Toleubayeva Kamshat Sergazievna</i></b> ; 5. Compliance officer - <b><i>Zarykhanov Asset Zarykhanovich</i></b> ; 6. Head of the library - <b><i>Kadirsizova Gulzhan Sayatovna</i></b> ;	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823

		<ol style="list-style-type: none"> <li>7. Head of the Human Resources Department - <b>Kadirova Elmira Asylbekovna</b></li> <li>8. Chief Accountant - <b>Raykhanova Kymbat Samatovna;</b></li> <li>9. Head of the Department of Strategic Development and International Cooperation - <b>Karsakova Ainur Tasbolatovna;</b></li> <li>10. Head of the department of the clinic - <b>Krykpayeva Ainur Serikovna;</b></li> <li>11. Head of the department of additional and non-formal education - <b>Victoria Valerievna Malchenko</b></li> <li>12. Head of the Research Department - <b>Saltanat Sayatovna Kyrykbayeva</b></li> </ol>	
<b>12.20-13.00</b> (40')	Meeting with the Dean of the School of Graduate Education, Dean of the School of Public Health, Dentistry, Pharmacy and Nursing and heads of departments	<ol style="list-style-type: none"> <li>1. De to an School of Postgraduate Education - <b>Zhanna Asemkanovna Musabekova;</b></li> <li>2. Dean of the School of Public Health, Dentistry, Pharmacy and Nursing - <b>Kairkhanova Ynkar Okimkhanovna;</b></li> <li>3. Head of the Department of Public Health - <b>Khismetova Zaytuna Abdulkasimovna;</b></li> <li>4. Head of the Department of Traumatology and Pediatric Surgery - <b>Zhanaspaev Marat Amangazievich;</b></li> <li>5. Head of the Department of Infectious Diseases, Dermatovenereology and Immunology - <b>Nurlan Shaymardanov;</b></li> <li>6. Head of the Department of Surgical Disciplines - <b>Kuderbaev Muratkan Tlebaldievich.</b></li> </ol>	<b>st. Abay 103 , Big Conference Hall</b>  Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>13.00-14.00</b>	<b>Lunch break</b>		
<b>14.00 -1 4.50</b> (50')	Meeting with the leaders of the OP	<ol style="list-style-type: none"> <li>1. Responsible for EP 7R01156 " Clinical laboratory diagnostics " - <b>Kudaibergenova Nazim Konyrovna ;</b></li> <li>2. Responsible for OP 6B10113 " Public Health " - <b>Serikov-Esengeldin Dinara Serikkyzy;</b></li> <li>3. Responsible for OP 7 R 01123 "Pediatric surgery" - <b>Zharkimbayeva Almira Dalelovna ;</b></li> <li>4. Responsible for OP 7 R 01146 " Adult and pediatric urology and andrology " - <b>Akkaliev Merhat Ntabekovich .</b></li> <li>5.</li> </ol>	<b>st. Abay 103 , Big Conference Hall</b>  Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>14.50-16.10</b> (120')	Visual inspection of the TOE	<b>Main building:</b> <ul style="list-style-type: none"> <li>- Employee and student service center</li> <li>- Library, Office Registrar</li> <li>- Audio-video recording studio</li> <li>- School of Graduate Education</li> <li>- School of Public Health, Dentistry, Pharmacy and Nursing</li> <li>- Department of Digital Technologies</li> <li>- Training and Clinical Center</li> </ul>	<b>st. Abaya 103</b>  Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823

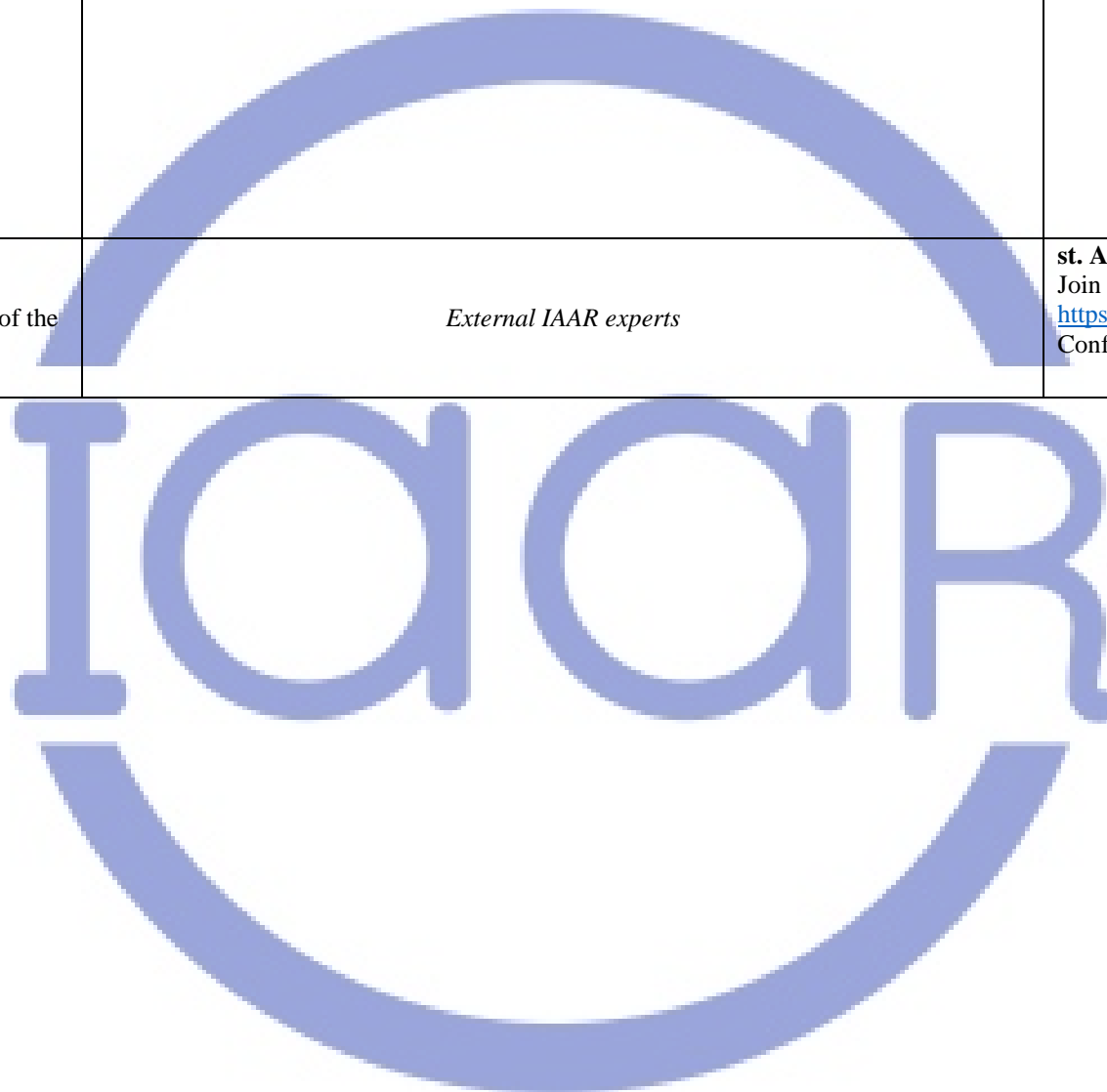
16.10-16.20 (10')	<i>technical break</i>		
16.20-17.20 (60')	Meeting with PPS OP (in parallel)	<i>Appendix No. 1 (List of teaching staff)</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
16.20-17.20	Questioning of teaching staff (parallel)	<i>Annex No. 1 (List of teaching staff with electronic addresses)</i>	The link is sent to the email of the teacher personally
17.20-18.00 _ (30')	WEC work. Summing up the first day	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 <i>(only for VEC)</i>
<b>Day 2: May 31 , 2023</b>			
10.00 -12.30 (150')	Visiting the bases of OP practices, attending classes	<ol style="list-style-type: none"> <li>1) <b>7 R 0115 6 " Clinical laboratory diagnostics "</b> <ul style="list-style-type: none"> <li>• UG NAO "Semey Medical University, st. Secheneva 1</li> </ul> </li> <li>2) <b>6 B 10113 " Public Health "</b> <ul style="list-style-type: none"> <li>• UG NAO "Semey Medical University, st. Sechenev 1;</li> <li>• CSE on REM "Polyclinic No. 7 of the city of Semey" of the health department of the Abai region, Shakarim Avenue, house 2B.</li> </ul> </li> <li>3) <b>7 R 01123 "Pediatric surgery"</b> <ul style="list-style-type: none"> <li>• UG NAO "Semey Medical University, Department of Pediatric Surgery. st. Secheneva 1</li> <li>• PSE on REM "Pavlodar Regional Children's Hospital" - Pavlodar, street, 2nd South, 51 (<i>online</i>)</li> <li>• CSE on REM "Center for Motherhood and Child", Ust-Kamenogorsk</li> </ul> </li> <li>4) <b>« 7 R 01146 Adult and pediatric urology and andrology »</b> <ul style="list-style-type: none"> <li>• CSE on REM "Emergency Hospital" of the Healthcare Department of the Abay Region / Department of Urology , Semey, st. Michurina 140 A</li> <li>• CSE on REM "East-Kazakhstan Regional Specialized Medical Center" / Department of Urology Ust-Kamenogorsk, st. Abaya, 18 (<i>online</i>)</li> <li>• CSE on REM "Pavlodar Regional Hospital named after G. Sultanov" st. Shchedrin, 63, Pavlodar (<i>online</i>)</li> </ul> </li> </ol>	Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
12.30-13.00 _ (30')	The work of the VEC , work with the documents of the	<a href="https://drive.google.com/drive/folders/1NBB3FLyJzWqTuwvtHT8XFiu8M-LkMi47?usp=share_link">https://drive.google.com/drive/folders/1NBB3FLyJzWqTuwvtHT8XFiu8M-LkMi47?usp=share_link</a>	<b>st. Abay 103 , Big Conference Hall</b>



	departments		Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>13.00-14.00</b>	<b>Lunch break</b>		
<b>14.00-14.15</b> (15 ')	EEC work	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 <i>(only for VEC)</i>
<b>14.15-15.15</b> (60 ')	Meeting with EP students (in parallel)	<i>Appendix No. 2 (List of students)</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>14.15-15.15</b> (60 ')	Questionnaire of students (in parallel)	<i>Appendix No. 3 (List of students c email _ addresses )</i>	The link is sent to the student's email personally
<b>15.15-15. 25</b> (10 ')	<b>Technical break</b>		
<b>15.25-16.10</b> (45 ')	Meeting with OP employers	<i>Appendix No. 4 (List of employers)</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>16.10 -17.00</b> _ (50 ')	Meeting with alumni OP	<i>Appendix No. 5 (List of graduates)</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823
<b>17.00 - 18.00</b> _ 00 (60 ')	EEC work, discussion of the results of the second day and profile parameters ( <i>recording is ongoing</i> )	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 ( <i>WEC only</i> )
<b>Day 3: June 1, 2023</b>			

10.00-11.00 (60')	The work of the EEC development and discussion of recommendations ( <i>recording</i> )	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 ( <i>WEC only</i> )
<b>11.00-11.10</b> (10') <i>Technical break</i>			
11.10-13.00 (110')	EEC work, development of recommendations	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 ( <i>WEC only</i> )
<b>13.00-14.00</b> <i>Lunch break</i>			
14.00-16.00 (120')	The work of the EEC discussion, decision-making by voting ( <i>recorded</i> )	<i>External IAAR experts</i>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 ( <i>WEC only</i> )
16.00-16.30 (30')	Preparation by the chairman of information on the results of an external evaluation	<i>Chairman of the WEC</i>	<b>st. Abay 103 , Big Conference Hall</b> Chairman's individual work
16.30-17.00 (30')	Final meeting of the EEC with the leadership of the university	<ol style="list-style-type: none"> <li>1. Chairman of the Board - Rector of NJSC "SMU" - <b>Dyusupov Altai Akhmetkalievich</b> ;</li> <li>2. <b>Vice-Rector for Academic and Educational work</b> - <i>Smailova Zhanargul Kayyrgalievna</i> ;</li> <li>3. <b>Vice-Rector for Clinical and Postgraduate Education</b> - <i>Ber ikuly Duman</i>;</li> <li>4. Vice-rector for organizational and economic work - <b>Tursinkanbetova Yerkezhan Sayatovna.</b></li> <li>5. Acting Vice-Rector for Science and Strategic Development - <b>Kyrykbayeva Saltanat Sayatovna</b></li> <li>6. De to an School of Postgraduate Education - <b>Zhanna Asemkanovna Musabekova</b>;</li> <li>7. Dean of the School of Public Health, Dentistry, Pharmacy and Nursing - <b>Kairkhanova Ynkar Okimkhanovna</b></li> <li>8. Head of the department for quality control of medical education - <b>Uruzbaeva Gulmira Aidarkanovna</b> ;</li> <li>9. Head of the Department of Public Health - <b>Khismetova Zaytuna Abdulkasimovna</b>;</li> <li>10. Head of the Department of Traumatology and Pediatric Surgery - <b>Zhanaspaev Marat Amangazievich</b>;</li> <li>11. Head of the Department of Infectious Diseases, Dermatovenereology and Immunology - <b>Nurlan Shaymardanov</b>;</li> <li>12. Head of the Department of Surgical Disciplines - <b>Kuderbaev Muratkan</b></li> </ol>	<b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823

		<i>Tiebaldievich.</i>	
<p><b>17.00 -18.00</b> (60 ')</p>	<p>The work of the EEC, discussion of the results of the quality assessment</p>	<p><i>External IAAR experts</i></p>	<p><b>st. Abay 103 , Big Conference Hall</b> Join a Zoom meeting <a href="https://us02web.zoom.us/j/5332046823">https://us02web.zoom.us/j/5332046823</a> Conference ID: 533 204 6823 (<i>WEC only</i>)</p>



**Appendix 3. RESULTS OF THE QUESTIONNAIRE OF TEACHERS****Questioning of teaching staff of NJSC "MUS"**

Total number of profiles: 13

1. Your department/faculty?

6B10113 PUBLIC HEALTH	5 (38.5%)
7R01156 CLINICAL LABORATORY DIAGNOSIS	2 (15.4%)
7R01123 PEDIATRIC SURGERY	4 (30.8%)
7R01146 UROLOGY AND ANDROLOGY ADULT, PEDIATRIC	2 (15.4%)

2. Your Position (your position)

Professor (Professor)	0(0%)
Associate Professor	2(15.4%)
Senior Teacher (Senior teacher)	1(7.7%)
teacher (teacher)	10(76.9%)
Head of the Department _	0(0%)
PhD	0(0%)
laboratory assistant	0(0%)

academic title degree , scientist rank )

Honored Worker (Honoured Worker)	0(0%)
Doctor of Science sciences )	0(0%)
Candidate of Science sciences )	4(30.8%)
Master (Master)	2(15.4%)
PhD (PhD)	3(23.1%)
Professor (Professor)	0(0%)
Associate Professor _	0(0%)
No (No)	2(15.4%)
Department assistant, head teacher	1(7.7%)
Department Assistant	1(7.7%)

Work experience at this HEI work V given university )

Less than 1 year	0(0%)
1 year - 5 years	0(0%)

Over 5 years	11(84.6%)
10 years or more	1(7.7%)
Over 40 years	1(7.7%)

	Very good	Fine	Relatively good	Badly	Very bad
To what extent does the content of the educational program meet your needs?	7(53.8%)	6(46.2%)	0	0	0
Does the university provide an opportunity for continuous development of the teaching staff's potential?)	6(46.2%)	7(53.8%)	0	0	0
How do you assess the opportunities provided by the university for the career growth of teachers?)	5(38.5%)	8(61.5%)	0	0	0
How do you assess the degree of academic freedom of the teaching staff?	8(61.5%)	5(38.5%)	0	0	0
To what extent can teachers use their own strategies?	7(53.8%)	6(46.2%)	0	0	0
To what extent can teachers use their own methods in the teaching process?	9(69.2%)	4(30.8%)	0	0	0
To what extent can teachers use their own innovations in the learning process?	9(69.2%)	4(30.8%)	0	0	0
How do the relevant medical centers and offices operate at the university?	8(61.5%)	5(38.5%)	0	0	0
How is the attention of the management of the educational institution paid to the content of the educational program?)	10(76.9%)	3(23.1%)	0	0	0
How do you assess the availability of the necessary scientific and educational literature in the library for teachers?	10(76.9%)	3(23.1%)	0	0	0
Assess the level of development of conditions for students with different physical abilities?	5(38.5%)	8(61.5%)	0	0	0
Assess the accessibility of top management to students	6(46.2%)	7(53.8%)	0	0	0
Assess the accessibility of top management to faculty	8(61.5%)	5(38.5%)	0	0	0
What is the level of stimulation and involvement of young professionals in the educational process?	6(46.2%)	7(53.8%)	0	0	0
Assess the opportunities for professional and personal growth created for each employee	7(53.8%)	6(46.2%)	0	0	0

Assess the adequacy of the recognition by the leadership of the university of the potential and abilities of teachers	6(46.2%)	7(53.8%)	0	0	0
How academic mobility activities are organized	5(38.5%)	8(61.5%)	0	0	0
How is the work to improve the qualifications of teaching staff organized?	5(38.5%)	8(61.5%)	0	0	0
Evaluate the support of the university and its leadership for the research initiatives of the teaching staff	8(61.5%)	5(38.5%)	0	0	0
Evaluate the support of the university and its management for the development of new educational programs	8(61.5%)	5(38.5%)	0	0	0
Assess the level of faculty's ability to combine teaching with research	5(38.5%)	8(61.5%)	0	0	0
Assess the level of the teaching staff's ability to combine teaching with practical activities	7(53.8%)	6(46.2%)	0	0	0
Assess the extent to which students' knowledge obtained at this university corresponds to the realities of the requirements of the modern labor market	6(46.2%)	7(53.8%)	0	0	0

How does the leadership and administration of the university perceive criticism?	5(38.5%)	7(53.8%)	1(7.7%)	0	0
Assess how the knowledge of students received at this university corresponds to your expectations	5(38.5%)	8(61.5%)	0	0	0
In your opinion, how do the curricula of educational organizations form the ability of students to analyze situations and make forecasts?	5(38.5%)	8(61.5%)	0	0	0
Assess how the content and quality of the implementation of the educational program meet the expectations of the labor market and the employer.	5(38.5%)	8(61.5%)	0	0	0

### 31. Why do you work in this particular HEI? (Why do you work at this university?)

Convenient geographical location of the university, Alma mater, the presence of competent professors

Alma mater

Opportunity for growth, implementation of ideas

Prestigious university, high qualifications of teaching staff, many clinical bases in Semey and branches

Status and image of the university

Alma mater.

Our university is one of the best universities in the Republic of Kazakhstan, there are opportunities for career growth and

Satisfied with all conditions

love my university

I love my university

	Often	Often	Sometimes	Very rarely	Never
How often do you have workshops and lectures with practitioners in your course?	3(23.1%)	6(46.2%)	4(30.8%)	0	0
How often do additionally invited teachers participate in the learning process?	2(15.4%)	5(38.5%)	6(46.2%)	0	0

### How often do you encounter the following problems in your work?

	Often	Sometimes	Never
Unbalanced study load by semesters	0	6(46.2%)	7(53.8%)
Absence or insufficiency of necessary literature in the library	0	1(7.7%)	12(92.3%)
Overcrowding of study groups	0	5(38.5%)	8(61.5%)

Inconvenient schedule	0	2(15.4%)	11(84.6%)
Poor classroom conditions	0	2(15.4%)	11(84.6%)
No internet access	0	3(23.1%)	10(76.9%)
Low discipline of students	1(7.7%)	5(38.5%)	7(53.8%)
Untimely receipt of information about events	1(7.7%)	2(15.4%)	10(76.9%)
Lack of teaching aids in classrooms	0	2(15.4%)	11(84.6%)

**Other problems (if any). Please indicate which**

No

Internet in all study rooms

In general, everything suits

No

-

no other problems

No problem

35. There are many different sides and aspects in the life of the university, which in one way or another affect every teacher and employee. Rate how satisfied you are:

	Completely satisfied	Partially satisfied	Not satisfied	Difficult to answer
Relationships with direct management	10(76.9%)	3(23.1)	0	0
Relationships with colleagues in the department	10(76.9%)	2(15.4%)	1(7.7%)	0
Participation in management decision making	7(53.8%)	6(46.2%)	0	0
Relations with students	12(92.3%)	1(7.7%)	0	0
Recognition of your successes and achievements by the administration	9(69.2%)	4(30.8%)	0	0
Support for your suggestions and comments	7(53.8%)	6(46.2%)	0	0
University administration activities	9(69.2%)	4(30.8%)	0	0
Terms of pay	3(23.1%)	10(76.9%)	0	0
Convenience of work, services available at the university	9(69.2%)	4(30.8%)	0	0
Occupational health and safety	9(69.2%)	3(23.1%)	1(7.7%)	0
Management of changes in the activities of the university	10(76.9%)	3(23.1%)	0	0
Providing benefits: rest, sanatorium treatment, etc.	8(61.5%)	3(23.1%)	2(15.4%)	0
Food system, medical and other services	5(38.5%)	7(53.8%)	1(7.7%)	0
Organization of healthcare and quality of medical services	9(69.2%)	3(23.1%)	1(7.7%)	0

**Annex 4. RESULTS OF STUDENT QUESTIONNAIRE*****Questionnaire for SMU students*****Total number of profiles: 16****Educational program (specialty):**

6B10113 PUBLIC HEALTH	5 (31.3%)
7R01156 CLINICAL LABORATORY DIAGNOSIS	0
7R01123 PEDIATRIC SURGERY	9 (56.3%)



7R01146 UROLOGY AND ANDROLOGY ADULT, PEDIATRIC	2 (12.5%)
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**Floor:**

Male	6(37.5%)
Female	10(62.5%)

**Rate how satisfied you are:**

Questions	Completely satisfied	Partially satisfied	Partially dissatisfied	Not satisfied	I'm at a loss answer
1. Relations with the dean's office (school, faculty, department)	15(93.8%)	1(6.3%)	0	0	0
2. The level of accessibility of the dean's office (school, faculty, department)	13(81.3%)	3(18.8%)	0	0	0
3. The level of accessibility and responsiveness of the leadership (university, school, faculty, department)	13(81.3%)	3(18.8%)	0	0	0
4. Availability of academic counseling	14(87.5%)	2(12.5%)	0	0	0
5. Support with educational materials in the learning process	14(87.5%)	2(12.5%)	0	0	0
6. Availability of personal counseling	13(81.3%)	2(12.5%)	1(6.3%)	0	0
7. Relationship between student and teacher	13(81.3%)	3(18.8%)	0	0	0
8. The activities of the financial and administrative services of the educational institution	12(75%)	3(18.8%)	1(6.3%)	0	0
9. Availability of health services	12(75%)	4(25%)	0	0	0
10. The quality of medical care at the university	12(75%)	3(18.8%)	1(6.3%)	0	0
11. The level of availability of library resources	11(68.8%)	5(31.3%)	0	0	0
12. The quality of services provided in libraries and reading rooms	13(81.3%)	3(18.8%)	0	0	0
13. Existing educational resources of the university	14(87.5%)	1(6.3%)	1(6.3%)	0	0
14. Availability of computer classes	13(81.3%)	2(12.5%)	1(6.3%)	0	0
15. Availability and quality of Internet resources	14(87.5%)	1(6.3%)	1(6.3%)	0	0
16. The content and information content of the website of educational organizations in general and faculties (schools) in particular	13(81.3%)	3(18.8%)	0	0	0
17. Study rooms, auditoriums for large groups	13(81.3%)	3(18.8%)	0	0	0
18. Lounges for students (if any)	14(87.5%)	2(12.5%)	0	0	0
19. Clarity of disciplinary procedures	13(81.3%)	3(18.8%)	0	0	0
20. The quality of the educational program as a whole	13(81.3%)	3(18.8%)	0	0	0
21. The quality of study programs in the EP	13(81.3%)	2(12.5%)	1(6.3%)	0	0
22. Teaching methods in general	12(75%)	4(25%)	0	0	0
23. Quick response to feedback from teachers on the educational process	14(87.5%)	2(12.5%)	0	0	0
24. Overall quality of teaching	13(81.3%)	3(18.8%)	0	0	0

25. Academic load / requirements for the student	13(81.3%)	3(18.8%)	0	0	0
26. The requirements of the teaching staff for the student	13(81.3%)	2(12.5%)	1(6.3%)	0	0
27. Information support and clarification before entering the university of the rules for admission and the strategy of the educational program (specialty)	13(81.3%)	3(18.8%)	0	0	0
28. Informing the requirements in order to successfully complete this educational program (specialty)	13(81.3%)	3(18.8%)	0	0	0
31. The quality of examination materials (tests and examination questions, etc.)	13(81.3%)	3(18.8%)	0	0	0
32. Objectivity in assessing knowledge, skills and other educational achievements	12(75%)	3(18.8%)	1(6.3%)	0	0
33. Available computer classes	13(81.3%)	3(18.8%)	0	0	0
34. Available scientific laboratories	13(81.3%)	3(18.8%)	0	0	0
35. Objectivity and fairness of teachers	14(87.5%)	2(12.5%)	0	0	0
36. Informing students about courses, educational programs and received academic degree	14(87.5%)	2(12.5%)	0	0	0
37. Providing students with a hostel	13(81.3%)	3(18.8%)	0	0	0

### How much do you agree with:

Statement	Full consent	Agree	Partially agree	Disagree	Complete disagreement	Didn't answer
38. The course program was clearly presented	13(81.3%)	3(18.8%)	0	0	0	0
39. Course content is well structured	11(68.8%)	5(31.3%)	0	0	0	0
40. Key terms adequately explained	11(68.8%)	5(31.3%)	0	0	0	0
41. The material proposed by the teacher is relevant and reflects the latest achievements of science and practice	12(75%)	4(25%)	0	0	0	0
42. The teacher uses effective teaching methods	12(75%)	4(25%)	0	0	0	0
43. The teacher owns the material being taught	14(87.5%)	2(12.5%)	0	0	0	0
44. The lecturer's presentation is clear	14(87.5%)	2(12.5%)	0	0	0	0
45. The teacher presents the material in an interesting way	12(75%)	4(25%)	0	0	0	0
46. Objectivity in assessing knowledge, skills and other educational achievements	13(81.3%)	3(18.8%)	0	0	0	0
47. The teacher meets your requirements and expectations for professional and personal development	11(68.8%)	5(31.3%)	0	0	0	0
48. The teacher stimulates the activity of students	11(68.8%)	5(31.3%)	0	0	0	0
49. The teacher stimulates the creative thinking of students	12(75%)	4(25%)	0	0	0	0
50. Appearance and manners of the teacher are adequate	13(81.3%)	3(18.8%)	0	0	0	0
51. The teacher has a positive attitude towards students	12(75%)	4(25%)	0	0	0	0
52. The system for assessing educational achievements (seminars, tests, questionnaires, etc.) reflects the content of the course	12(75%)	4(25%)	0	0	0	0
53. Evaluation criteria used by the teacher are	13(81.3%)	3(18.8%)	0	0	0	0

clear and accessible						
54. The teacher objectively evaluates the achievements of students	12(75%)	4(25%)	0	0	0	0
55. The teacher speaks a professional language	13(81.3%)	3(18.8%)	0	0	0	0
56. The organization of education provides sufficient opportunities for sports and other leisure activities.	14(87.5%)	2(12.5%)	0	0	0	0
57. Facilities and equipment for students are safe, comfortable and modern	14(87.5%)	2(12.5%)	0	0	0	0
58. The library is well equipped and has a sufficient fund of scientific, educational and methodical literature	12(75%)	4(25%)	0	0	0	0
59. Equal opportunities for mastering the EP and personal development are provided to all students	14(87.5%)	2(12.5%)	0	0	0	0

**Other concerns regarding the quality of teaching:**

No

No problem, everything is great!

I'm happy, no problems

No

Everything is fine

