

To Accreditation Council
Of The Eurasian Center for Accreditation
And Quality Assurance
In Higher Education and Health Care

**REPORT
OF THE EXTERNAL EXPERT COMMISSION
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL
PROGRAMME
7R019117 "ANESTHESIOLOGY AND RESEANIMATOLOGY, INCLUDING
CHILDREN'S" OF NON-PROFIT JOINT STOCK COMPANY
"SEMEY MEDICAL UNIVERSITY"
IN COMPLIANCE WITH STANDARDS FOR ACCREDITATION OF
EDUCATIONAL PROGRAMMES OF RESIDENCE (PRIMARY
ACCREDITATION) IN MEDICAL EDUCATION ORGANIZATIONS OF THE
EURASIAN CENTER FOR ACCREDITATION AND QUALTY ASSURANCE
IN HIGHER EDUCATION AND HEALTH CARE**

period of external expert commission: May 18-20, 2021

Semey, 2021

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LIST OF SYMBOLS AND ABBREVIATIONS:

AMP	Administrative and management personnel
BD (O)	Basic disciplines (training)
GP	General Practitioner
University	Higher educational institution
EKR	East Kazakhstan region
SAC	State Attestation Commission
SCES	State compulsory education standard
GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
DAD	Department of Academic Development
DSHR	Department of Science and Human Resources
DOPs	Direct observation
ECTS	European Credit Transfer and Accumulation System
ECAQA	Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care
FSA	Final state attestation
IC	Individual curriculum (resident)
ILS	information library system
CVI	Coronavirus infection
COC	Component of choice
CEP	Committee of educational programmes
QED	Catalog of elective disciplines
LMS	learning management system KEYPS
MoH RK	Ministry of Health of the Republic of Kazakhstan
Mini-CEX	Mini Clinical Exam
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MEO	Medical education organization
MA	Methodical advice
NJSC "SMU"	Non-profit Joint Stock Company "Semey Medical University"
R&D	Research work of a resident
IQAA	Independent Agency for Quality Assurance in Higher Education
SSC	Scientific student circle
STP	Scientific and technical programme
NCIE	National Center for Independent Examination
EP	Educational programme
IA	Intermediate attestation
PBL	Problem- based learning
MD	Major disciplines (training)
PHC	Primary health care
PPP	Faculty
RSE on REM	Republican state enterprise on the right of economic management
WC	Working curricula

CBL	Case-based-learning
NKR	North-Kazakhstan region
QMS	Quality Management System
SOP	Standard operating procedures
IWS	Independent work of students
IWR	Independent work of a resident
SC	Simulation center
IWRT	Independent work of a resident under the supervision of a teacher
TBL	Team-based-learning (training in a team)
TC	Typical curricula
ERWR	Educational and research work of residents
AC	Academic Council
CNM&O	Center for Nuclear Medicine and Oncology
GCC	Graduate Career Center

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 32 dated January 18, 2021, an External Expert Commission was formed to conduct accreditation of educational programmes for 18 residency specialties of NJSC SMU in the period from May 18 to May 20, 2021, in the following composition:



Chairperson of the External Expert Commission

KUZGIBEKOVA ALMA BOLATOVNA,
Candidate of Medical Sciences, Professor of the Department of Childhood Diseases, Karaganda Medical University,
Honorary Worker of Education of the Republic of Kazakhstan, Accredited independent expert in assessing the quality of medical services.



Foreign expert

RIPP EVGENY GERMANOVICH
Candidate of Medical Sciences, Associate Professor, Head of the Accreditation and Simulation Center of the Institute of Medical Education of the Federal State Budgetary Institution "National Medical Research Center named after V. A. Almazov " of the Ministry of Health of the Russian Federation,
Member of the Board of the Russian Society for Simulation Education in Medicine (ROSOMED), Member of the ROSOMED Programme Committee, Instructor of the European Resuscitation Council (ERC)



National academic expert

ALMAGUL AMANGELDINOVNA KAUYSHEVA,
Candidate of Medical Sciences,
Vice-rector for educational and scientific activities of the Kazakhstan Medical University "HSPH",
Accredited independent expert in assessing the quality of medical services, Deputy Chairperson of the Board
RPO "Kazakhstan Alliance of Medical Organizations".



National academic expert
SHUKIRBEKOVA ALMA
BORANBEKOVNA,
Doctor of Pharmaceutical Sciences, Professor,
Dean of the Faculty of Pharmacy
NJSC "Astana Medical University"



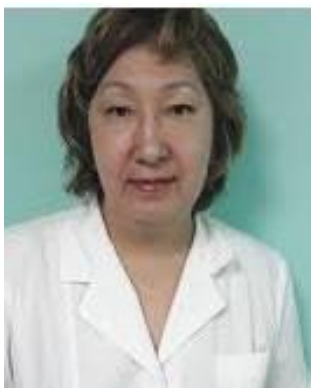
National academic expert (online)
ISENOVA SAULE SHAIKENOVNA,
Doctor of Medical Sciences,
Professor of the Department of Obstetrics and
Gynecology
NJSC " Asfendiyarov KazNMU"



National academic expert
ESENKULOVA SAULE ASKEROVNA,
Doctor of Medical Sciences, Associate
Professor of the Department of Oncology
NJSC " Asfendiyarov KazNMU "
Member of the Association of Oncologists of
the Republic of Kazakhstan



National academic expert
KUDABAEVA KHATIMIA ILYASOVNA,
Candidate of Medical Sciences, Professor
Department of Internal Medicine №1
NJSC "West Kazakhstan Medical University
named after Marat Ospanov "



National academic expert
KENZHEGULOVA RAUSHAN
BAZARGALIEVNA,
Candidate of Medical Sciences,
neurology residency instructor of
Corporate Fund "University Medical Center"



National academic expert
RINAT MUZAFAROV,
Head of the Department of International
Cooperation and Public Relations of the
Republican State Enterprise "Republican
scientific and practical center of psychiatry,
psychotherapy and narcology " of MoH RK



National academic expert
SADIEVA ZHANAR ZAMANKHANOVNA,
anesthesiologist-resuscitator,
Head of Postgraduate Education Department of
JSC "South Kazakhstan Medical Academy"



National academic expert
RAKHMANOV ELTAI UTEMURATOVICH,
PhD
Deputy Director of Master's Degree in
Sports Medicine and Rehabilitation of
Nazarbayev University School of Medicine



National academic expert

RAMAZANOVA MANSHUK ANEROVNA,
Senior Lecturer of the Department public
health and Health care of
NJSC "Asfendiyarov KazNMU"



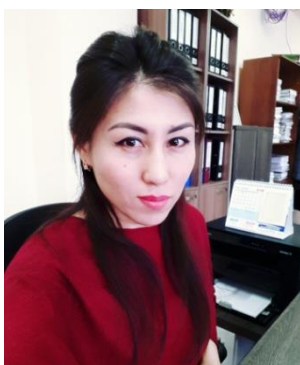
Expert - employers' representative

SARSENBINA LYAZZAT KYRYKBAEVNA,
Candidate of Medical Sciences,
highest qualification category
in the specialty: "Public health",
Chief physician of the MSOPE "CPMSP No.
12, Semey



Expert - representative of undergraduates

MAZANBEKOVA MERUERT
YERZHANOVNA,
2nd year undergraduate student in the specialty
"Pedagogy and Psychology" of the Kazakh
Humanitarian - Legal Innovative University in
Semey.



ECAQA Observer

UMAROVA MAKPAL ALDIBEKOVNA,
Head of Accreditation and Monitoring
Department
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Quality Assurance in Higher Education and
Health Care"

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

The EEC report contains an assessment of the educational programme of residency in the specialty "Anesthesiology and resuscitation, including children's " NJSC "SMU" for compliance with the Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational institutions of ECAQA, recommendations of the EEC on further improvement of educational activities of NJSC "SMU" in the field of postgraduate education.

2. General part of the final report of the EEC

2.1 Presentation NJSC "SMU" and an educational residency programme in the specialty "Anesthesiology and resuscitation, including children's".

Study Programme Self-Assessment Report 7R019117 "Anesthesiology and resuscitation, including children's" of the Non-profit Joint Stock Company "Semey Medical University" (hereinafter NJSC "SMU") is presented on 141 pages and contains 10 applications according to the relevant standards. Attached to the institutional self-assessment report is a list of members of the working group on self-assessment and preparation for accreditation of the educational programme 7R019117 "Anesthesiology and resuscitation, including children's", indicating the responsibility of each member of the internal commission; there is information about the person responsible for the self-assessment for compliance with the Accreditation Standards of ECAQA educational programmes.

The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards (Mission and Outcomes, Education Programme, Resident Assessment, Residents, Educators, Educational Resources, Curriculum Assessment, Management and Administration, Continuous Improvement) and includes a description of strengths, areas for improvement for each standard.

2.2 Information on previous accreditation

In May 2016, the department successfully passed the specialized accreditation of the residency specialty "Anesthesiology and resuscitation, including children's" for a period of 5 years.

Post-accreditation monitoring was successfully completed in December 2020.

2.3 Analysis of the self-assessment report of the study programme of residency in the specialty "Anesthesiology and resuscitation, including children's " NJSC "SMU".

Preparation for specialized accreditation of NJSC "SMU" was carried out on the basis of the order dated July 20, 2020 No. 18-n / κ "On approval of the composition of the working group for the preparation for specialized accreditation of the corporate fund" University Medical Center ".

The educational programme in the specialty "Anesthesiology and resuscitation, including children's" has been recruiting and graduating residents for many years under a state grant and targeted residency at the expense of various medical organizations.

The course of anesthesiology and resuscitation was opened in 1971 by assistant B.Sh. Muratov. in 1973, as a part of the department of hospital surgery, the staff of the course worked as assistants B.Sh. Muratov. and A.N. Semakov.

In 1975 the course functions separately. In 1990, at the initiative of associate professor Tuleutayev T.B. the course was reorganized into the Department of Anesthesiology and Reanimatology. In 1992, on the course of anesthesiology and resuscitation, the textbook "Cardiopulmonary resuscitation" was published.

Due to the change in the teaching load in 1996, the course was disbanded and became part of the Department of Hospital Surgery. The course operated independently until 2013.

2013 disbanded in the course of anesthesiology and resuscitation in the department of internship in surgery 2013-2016. Head of the course of anesthesiology and resuscitation was Associate Professor, Ph.D. Kuluspaev E.S. Kuluspaev E.S. is one of the authors on the development of RUP, TUP and internship syllabus 2013. for the preparation of a doctor in the specialty "General Medicine".

2016-2018 the responsible course was the master, anesthesiologist-resuscitator of the highest category, A.E. Karibaeva. developed syllabuses for 6th and 7th year intern obstetricians and gynecologists

In 2018. under the guidance of MD Syzdykbaev M.K the course was reorganized into the Department of Anesthesiology and Reanimatology. In 1997 he graduated from the Semipalatinsk Medical Institute. 2003 defended his Ph.D thesis in Russia. 2005-2008 Under the Bolashak programme entered to doctoral studies. He gives lectures to residents, interns, and his colleagues in two languages (Russian and English). His research is devoted to the study of alveolar surfactant and endopulmonary cytoharmma in the postoperative period, as well as the treatment of acute abscesses and gangrene of the lungs.

At this time, the staff of the departments includes anesthesiologists-resuscitators: head of the department M.K. Syzdykbaev. and 3 main assistants: Temirgaliev M.B., Alpishcheva S.V., Muratkhanova Zh.M. and laboratory assistant Esilkanova A.O. Department staff carry out a significant clinical load at clinical sites, are engaged in scientific work, the introduction of new techniques in anesthesiology and resuscitation in practical health care. Publish scientific articles jointly with doctors at clinical sites. Currently, the staff of the department are located at 7 clinical bases.

The Department of Anesthesiology and Reanimatology is located on the basis of the University Clinic "SMU" on the street. Sechenov 3a. There are 4 study rooms, one office of the head of the department and an assistant's office. Mail: anesthesiology@NJSC-SMU.kz

A working group of 12 people, headed by the chairperson E.A. Taigulov. Some work was done to prepare the self-assessment report: the content of the accredited educational programme, the conditions for its implementation, staffing, educational resources were analyzed, the necessary information was collected in accordance with Accreditation standards for postgraduate education programmes (residency specialties) of medical educational institutions(hereinafter referred to as accreditation standards); a thorough analysis, updating and addition of methodological and educational materials was carried out, their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of strengths, areas for improvement for each of the 9 standards.

All standards show actual practice NJSC "SMU" for the training of residents in the specialty "Anesthesiology and resuscitation, including children's ", taking into account the beginning of the admission of students in the 2016-2017 academic year, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the number of residents, teachers, administration, information on the selection and admission, the results of training, the results of the assessment of knowledge and skills, the material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, development plans and improvement, etc.

Conclusion on each of the 9 accreditation standards includes a description of the strengths and areas for improvement identified in the course of introspection and development prospects for the specialty.

Thus, the self-assessment report of the accredited educational residency programme of NJSC "SMU" contains objective, detailed, structured information on all types of activities in accordance with the ECAQA accreditation standards, and the university made the appropriate corrections in the report at the expert commission stage.

3. Description of external expert commission

External expert work on the evaluation of the educational programme residency in the specialty "Anesthesiology and resuscitation, including children's "was organized in accordance with the Guidelines for conducting an external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director general of the NU "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care" No. 5 dated February 17,

2017 and according to the programme and schedule approved on January 18. 2021 by the Director general of ECAQA Sarsenbayeva S.S. and agreed with the rector of NJSC "SMU".

To obtain objective information on the expert assessment of the accredited educational programme, the EEC members used the following methods: interviews with management and administrative staff, interviews with residents, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and residents, review of resources in the context of the implementation of accreditation standards, the study of regulatory and educational-methodological documents both before the visit to the university and during the visit.

On the part of the team NJSC "SMU" the presence of all persons indicated in the visit programme and according to the lists of interview sites was ensured (Table 1).

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

No.	Full name	Position
1	Zhunusov E.T.	Chairperson of the Board - Rector
2	Zhanaspaev M.A.	Deputy Chairperson of the Board for Academic Affairs
3	Aidosov N.S.	Deputy Chairperson of the Board for Strategic Development and International Cooperation
4	Turarova E.M.	Chief Specialist of Graduate Employment Department and MF
5	Manatova A.M.	Dean of the School of Graduate Education
6	Tanysheva G.T.	Head of the Department of Obstetrics and Gynecology, including children
7	Aimagambetova A.O.	Head of the Department of Cardiology and Interventional Arrhythmology
8	Abilmazhinova G. D.	Head of the Department of Internal Diseases of the Pavlodar branch, Ph.D.
9	Apbasova S.A.	Assistant at the Department of Pathological Anatomy and Forensic Medicine named after V.I. Doctor of Medical Sciences, Yu.V. Pruglo
10	Temirgaliev M.B.	Assistant at the Department of Anesthesiology, Reanimatology and Narcology
11	Ospanova N.N.	Associate Professor at the Department of Psychiatry
12	Khaibullin T.N.	Professor of the department Bikbaev R.M.
13	Kirillova E.V.	Assistants of the Department of Neurology, Ophthalmology, ENT
14	Nurgalieva D.T.	Assistant at the Department of Hospital Therapy
15	Beketova B.B.	Assistant of the Department of Clinical and Radiation Oncology
16	Bulegenov T.A.	Deputy Chairperson of the Board for Scientific and Clinical Work
17	Krykpaeva S.S.	Director of the Department of Science
18	Kyrykbaeva A.S.	Chief specialist of NIO
19	A.A. Barsukov	Deputy Chairperson of the Board for Organizational and Economic Work
20	Enikeeva D.B.	Director of the Department of Administrative and Personnel Support
21	E.A. Kadirova	Chief Specialist of the Human Resources and Legal Department
22	Balashkevich N.A.	Acting Head of the Department of Medical Education
23	Kadirsizova G.S.	Library manager
24	Socioner D.	Engineer technician PR department

25	Tlemisov A.S.	Chairperson of the CEP of residency, responsible for the specialty of residency "Traumatology and orthopedics, including children", head of the department of orthopedic surgery
26	Zhunusova A.B.	Director of the Department of Academic Work
27	D.K. Kozhakhmetova	Chief Specialist of the Academic Department
28	A.A. Nugerbekova	Chief Specialist of the Youth Policy Department
29	Duysekenova A.A.	Director of the Department of Youth Policy and External Relations
30	Rakhimova A.R.	Director of the Department of Strategy and QMS

The sequence of the visit during May 18-20, 2021 is detailed in the Visit Programme, which is located in the documentation of the accreditation center and in the Attachment to this report.

Interviews were held with teachers (in three groups), residents, employers (representatives of practical health care) and with graduates. Experience and authority of NJSC "SMU" in clinical and educational activities shows the demand for graduates and educational programmes by medical organizations in all regions of Kazakhstan.

In order to validate the performance of the self-assessment report data and obtain evidence of programme quality, 44 residents were interviewed on a zoom platform. Questions were asked about satisfaction with training in NJSC "SMU" sufficiency of time for supervision of patients, work in Damumed with medical documentation, satisfaction with teaching methods and qualifications of teachers, social and moral support for residents in need of this, availability of international databases of professional literature as a resource. In general, residents are satisfied with the training, assessment methods, and purposefully entered this organization, since they believe that NJSC SMU has good educational resources, image and international connections, at the same time, residents would like more independence in managing patients, holding international events ...

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgments on the organization of training, assessment of their skills, advisory support, opportunities to participate in research and development, funding. As part of the audit, the documents of residents were examined (portfolio, results of assessment of residents-checklists, results of a questionnaire survey of residents).

Interviews with employers on all educational programmes of residency of NJSC "SMU" declared for accreditation were conducted online and included such questions as: knowledge of the NJSC "SMU" mission, participation in the development of the mission and proposals for the strategic plan, participation in the work of the advisory bodies of NJSC "SMU", satisfaction with the basic knowledge and skills of residents, participation in training residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and NJSC "SMU" in general, employment of residency graduates.

The review of resources showed that the clinical base of NJSC "SMU", available for review at the time of the external visit, corresponds to the goals and objectives of the corresponding educational programmes in the specialties - anesthesiology and resuscitation, forensic medical examination, neurology, etc., since it has a sufficient number of thematic patients, modern equipment and demonstrates accessibility to residents, and employees who simultaneously fulfill the roles of teachers and mentors (mentors) provide quality training in an ethical and deontological manner. Before starting the corresponding discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

IN NJSC "SMU" training of resident trainees is carried out on the basis of 9 accredited medical centers located in Semey, Ust-Kamenogorsk, Pavlodar...

Much attention is paid to the working conditions of employees. For this purpose, certification of workplaces for working conditions is carried out. Based on the results obtained, measures are planned and implemented to improve the working conditions of employees and residents. NJSC "SMU". Teachers and residents use new information and communication technologies. Each employee has access to the corporate portal "KEYPS"... Resident trainees of NJSC "SMU" have access to the corporate portal "KEYPS", which can be entered both from personal mobile phones and through stationary computers in a computer class or in a library.

Documentation has been reviewed on the educational programme "Anesthesiology and resuscitation, including children's", which confirmed compliance with accreditation standards, including documentation of faculty and resident tutors.

Then a meeting of the EEC members took place following the results of the external evaluation. A final discussion of the results of external assessment, study of documents, results of interviews, interviews, questionnaires was held. The members of the EEC started to design the final report of the EEC.

A meeting of the EEC members was held. EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and criteria for external evaluation of the educational residency programme in the specialty "Anesthesiology and resuscitation, including children's " for compliance with ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC Kuzgibekova A.B. a final open vote was held on the recommendations for NJSC "SMU" and a final vote on recommendations for the ECAQA Accreditation Council. Then the chairperson of the EEC for the management and employees of the educational organization announced recommendations based on the results of an external assessment as part of the accreditation of educational programmes for residency specialties.

Results of the survey.

The ECAQA observer conducted an online survey of residents and teachers of the accredited educational programme from May 18 to May 12, 2021 NJSC "SMU" on the resource <https://webanketa.com/...>

Results of the survey of bachelor's, master's, residents' and alumni students:

The total number of responding residents - 158...

Of the total number of respondents, residents prevailed - 79%, further down the list: bachelor students - 9.5%, undergraduates - 7.5%, graduates - 4%.

Will recommend this university as an educational organization - 86% fully agree, partially - 11%. 90% of those surveyed fully agree and 8.5% partially agree that programme managers and teaching staff are aware of their learning problems. Fully (88.5%) and partially (10%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to 87% (in full) and 11.5% (in part) office equipment is available for residents at practice bases. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - 92% fully agree, partially - 6%. Fully (90.5%) and partially (9%) are satisfied with the library fund and resources. 97% of respondents have access to electronic educational resources, and 3% believe that it is partially.

The organization of clinical training for residents, according to 84.5%, fully satisfies them, and 12.5% partially. There is enough time for practical training (supervision of patients, etc.) - 93.5% fully agree, and 5.5% partially. Satisfied with the methods of assessing my knowledge and skills - 94.5% fully agree, 3.5% partially. In the opinion of 88.5% of teachers in the classroom, they use active and interactive teaching methods regularly, and in the opinion of 9.5% - rarely.

In the opinion of 92% of the respondents, teachers constantly provide feedback after the end of classes, but in the opinion of 5% - sometimes and 0.5% - rarely. 94% are completely satisfied that they are studying at the university, partially 4.5%, disappointed - 1% of the respondents. The university

allows you to improve or acquire the necessary knowledge and skills in the chosen specialty of residency, 97.5% are confident, 2.5% would like to believe it. Fully (94.5%) and partially (5.5%) are satisfied with the organization of teaching at NJSC SMU.

According to 87% of respondents, accreditation is a necessary mechanism to improve educational programmes, but 8.5% believe that it is not necessary to carry out and 4% doubt the answer. The work of the EEC was assessed as positive - 97.5%, satisfactory - 0.5%, i.e. majority.

Results of the survey of teachers of residency programmes:

The total number of teachers on the list is 00. The total number of respondents is 67, including those with up to 5 years of experience - 20.9%, up to 10 years - 14.93%, over 10 years - 64.18%. Among the respondents, teachers of Pharmacy (bachelor's degree) - 23.88%, Master's degree in Medicine - 20.9%; Master's Degree in Health Care Management - 7.46%; Masters in other directions - 8.96%; Residencies - 38.81%.

82.09% are fully satisfied with the organization of the educational process, 16.42% are partially satisfied. At the university, ethics and subordination are observed in full agreement 94.03%, in part - 5.97%. 89.55% of respondents are completely satisfied with the organization of work and workplace, partially 8.96%. In the organization there is an opportunity for career growth and development of competence for teachers - 83.58% fully agree, partially - 14.93%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish the results of research work - 77.61% fully agree, partially 14.93%. 68.66% of respondents are fully satisfied with the work of the personnel department, 28.36% are partially satisfied. Most of the respondents underwent advanced training during this year. Only 91.04% fully agree that they can realize themselves as professionals, and 8.96% - partially. Unfortunately, 17.91% did not answer the question of whether the university supports the teacher in participating in international and national events, and 16.42% did not contact the management or the relevant administrative staff of the university with this. The majority of respondents (85.07%) completely agree, and 13.43% partially agree that the discipline that is taught is provided with sufficient resources (audience, equipment). 59.7% do not know about the implementation of social programmes to support teachers and 1.49% of respondents doubt their existence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are compiled and solved (71.64%). 64.18% fully agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes; 28.36% partially agree with this. 7% and 1.49% of respondents doubt their presence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are compiled and solved (71.64%). 64.18% fully agree that this survey will be useful for developing recommendations for improving the university and residency educational programmes; 28.36% partially agree with this. 7% and 1.49% of respondents doubt their presence. Management and administration systematically listen to the opinion of teachers - 62.69%, sometimes - 25.37% of respondents. When teaching students, a variety of teaching methods are used, but more often the analysis of situational tasks (88.06%), work in small groups (62.69%), oral questioning and analysis of the topic (64.18% and 71.64%, respectively), also problem-oriented learning (38.81%), test solving (71.64%), less often cases are

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The results of the questionnaire are presented in the Attachment and, in general, demonstrate the effective management of educational programmes, the positive aspects of training on residency programmes, at the same time, identify areas for improvement (social support programmes for teachers, the availability of leadership and administration for teachers and residents, pedagogical competencies and professional development of teachers) ...

Conclusion on the basis of the external evaluation:

Within the framework of accreditation, the main indicators of the educational programme were studied and evaluated residency in the specialty "Anesthesiology and resuscitation, including children's". The information obtained during the study of the self-assessment report, preparation of a written review with recommendations for improvement, implementation of the activities of the visit programme of NJSC "SMU" from 18 to 20.05.2021 All the information received was compared with the data of the self-assessment report, the information was validated for each criterion of accreditation standards and the indicators of the Attachment to the self-assessment report were verified, which made it possible to make sure of the reliability of the information provided by NJSC "SMU" information and supporting documents for compliance with ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme of NJSC "SMU" described his real educational practice in postgraduate education, before visiting the organization by accessing https://drive.google.com/drive/folders/1FxoHeU2F2_zbWaoYqbxjgmzvvgM3rT8Oe?usp=sharing_eil&invite=CPCAY5 during an external expert commission, members of the EEC studied the main documents (mission, strategic plan until 2023, teaching materials of disciplines, syllabuses, control and measuring instruments, checklists, portfolio of residents, individual plans of residents for the 2019-2020 academic year, publications of teachers, rules for admission to residency, personnel policy, internal programme quality assurance systems, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for residents to work with literature, patient documentation, educational and methodological literature), which made it possible to identify the compliance of the educational organization with basic accreditation standards.

When conducting an external examination, the Rules for the training of medical personnel in residency were taken into account (order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KP DSM-16), paragraph 13. It was established that the clinical bases of the educational programme residency in the specialty "Anesthesiology and reanimatology, including children's "there are 2 clinical bases, of which 1 were visited. The volume of the study load and treatment and preventive work in specialties is determined by the individual work plan of the student of residency for one year and is monitored by monthly reports of the resident in any form. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

In connection with the new edition of order No. 647 On the approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated 02.21.No. KR DSM-12/2020 Chapter 2. Requirements for the content of residency educational programmes with a focus on learning outcomes), there have been changes and additions in the educational programme in relation to the development of the research competence of residents, which must participate in the work of the research team.

In this regard, the experts assessed the involvement of residents in research. There is no general provision or requirements for the implementation of scientific work at the university, at the same time, the departments conduct proactive research, in which residents participate through writing reviews, collecting patient data, analyzing the literature and patient examination results, preparing reports and presentations at conferences). Also, in accordance with Article 222 of the Residency of Clause 4 of the Code of the Republic of Kazakhstan on People's Health and the Health care System of July 7, 2020 No. 360-VI ZRK, external experts studied the activities and conducted conversations with mentors of residents, and it was established that each resident was provided with a mentor.

All educational, methodological, personnel and resource bases were assessed for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development and evaluation of educational programmes, decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for the admission and assessment of residents, the development of the content of individual plans of residents and the selection of mentors.

At the same time, this substantiated the need for inclusion in post-accreditation monitoring along with the implementation of the EEC recommendations, an analysis of the implementation of the criteria of Standard 9, an annual report on the contingent of residents.

Recommendations for improving activities in the field of implementation of the educational residency programme in the specialty "Anesthesiology and resuscitation, including children's" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert assessment, were presented at a meeting with the management on 20.05.2021.

The programme of the 3-day visit (May 18-20, 2021) of the external expert assessment of the EEC was completed in full. On the part of the team NJSC "SMU" participation of all persons specified in the programme is ensured.

Thus, the external assessment and the visit of the EEC members made it possible to verify and validate the data of the self-assessment report of the residency programme in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external assessment of the medical organization ECAQA education.

For the work of the EEC, comfortable conditions were created, access to all necessary information and material resources of the accredited educational programme was organized. Experts note the high level of corporate culture and discipline of employees responsible for postgraduate education NJSC "SMU", department, employees of clinical bases, a high degree of openness of the team in providing information to members of the EEC.

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational residency programme in the specialty "Anesthesiology and resuscitation, including children's " and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

The mission of the educational residency programme (EPR) of the Non-profit Joint Stock Company "Semey Medical University" (NJSC "SMU" specialty 7R09117 - "Anesthesiology and resuscitation, including children's" is to promote the improvement of the health of the population of Kazakhstan through the training of qualified, competitive personnel that meet modern requirements to the quality of specialist doctors for independent work in the specialty of anesthesiology and resuscitation (adult, pediatric) The process of training resident anesthesiologists-resuscitators is carried out in accordance with the Development Programme and the mission of the university the practice of education, science and clinic." The mission defines the goals of training, competencies and qualifications of a future specialist, determined by the authorized body of the Ministry of Health of the Republic of Kazakhstan in agreement with professional organizations and meets the needs of all interested parties.

The educational programme was developed collectively (minutes of the meeting of the department No. 8 dated May 11, 2020) and approved at a meeting of the Academic Committee (No. 8

dated June 25, 2020) and the Academic Council of the University (No. 10 dated June 19, 2019). The mission of the educational programme in the specialty 7R09117 - "Anesthesiology and resuscitation, including children's" was brought to the attention of all interested parties, residents by posting on the university website (<https://semeymedicaluniversity.kz/o-nas/>).

The procedure for determining the goals and objectives of the residency educational programme, the content of training provides for discussion and approval at meetings of the collegial bodies of NJSC "SMU" - the departments and the committee of educational programmes (CEP), the Academic Committee (AC), which include representatives of practical health care, students, teachers and administrative and management staff. Coordination with external stakeholders is carried out in the form of reviewing the working training programmes of the residency by practical Health care specialists, questioning independent experts based on the results of participation in examinations, involving experienced doctors in conducting residency classes, as well as direct participation in meetings of collegial bodies.

So, for example, in the formation of the mission of the EPR of the specialty "Anesthesiology and resuscitation, including children", the recommendations of external stakeholders - R.K. Kikimbaeva were taken into account. (Deputy director for medical work of the NJSC "SMU"), Alibaeva G.A. (deputy director for medical work of the emergency hospital (emergency hospital), Semey.

The content, additions and changes in the EPR are carried out at meetings of collegial bodies, which include representatives of practical health care, students, teachers and administration staff. Doctors from practical health care are admitted to the staff of NJSC "SMU" as part-time workers and clinical mentors. Clinical mentors are involved in the development of the ERP.

Residents express their opinion on the educational programme in the form of feedback through the proposed questionnaires on various aspects of the programme.

NJSC "SMU" encourages and appreciates the possibility of using independent certification and examination with the involvement of external experts, which undoubtedly contributes to improving the quality of the educational process.

Strengths:

1. Clear vision and strategic planning, effective management structure of NJSC SMU;
2. Use in the educational process of the automated information platform "KEYPS" in order to ensure the quality of the educational process and other digital technologies;
3. Highly qualified teaching staff of the department.
4. Improving the competence of teaching staff on teaching methodology, assessing the knowledge of students, on an ongoing regular basis;
5. Copyright information programmes developed by the university: Orion, Talent pool "Nadezhda", "Catalog of scientific projects", "Register of debtors", etc.

Standard 1: completed

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely - 13, significantly - 4, partially - 0, do not correspond - 0.

Standard 2: EDUCATIONAL PROGRAMME

EP specialty 7R09117 - "Anesthesiology and resuscitation, including children's" was developed on the basis of regulatory legal acts: SCES 2015, SES 2018, the Code of the Republic of Kazakhstan "On public health and the health care system" from 2020, the Law of the Republic of Kazakhstan "On education" from July 27, 2007 (with amendments and additions as of 07.07.2020), by the Order of the Ministry of Health of the Republic of Kazakhstan dated September 18, 2018 No. Professional standard 7R09117 - "Anesthesiology and resuscitation, including children's", Industry qualification framework, Qualification characteristics of a specialist, regulated by Order No. 699 of 12.11.2009).

The training is based on the practice of attracting residency students to personal participation in providing assistance to patients in medical organizations recognized as residency bases.

In the process of implementing the EP specialty 7R09117 "Anesthesiology and resuscitation, including children's", such teaching methods are used as: lectures, clinical rounds, supervision, situation analysis (SA), discussion of a clinical case (DCB), direct observation with feedback in real conditions and DOPS method. The strengths and weaknesses of the resident are determined when performing practical skills, for which checklists have been developed with an algorithm for their implementation.

According to the Regulations on the clinical mentor of the resident of the NJSC "SMU" dated 10/14/2020, clinical mentors from among the teaching staff of departments or doctors of practical health are involved in the management of clinical training. Thus, the department of anesthesiology, resuscitation and narcology as clinical mentors involved leading anesthesiologists-resuscitators of the region, chief freelance anesthesiologist EKR Zakiryanov T.Kh., chief freelance anesthesiologist of Semey Tokenov D.S., heads of ICU UG adult Masalov E.A. and ICU of the children's hospital Uruzbaev K.O., head of the cardiac resuscitation department of the NJSC SMU Zhuravlev E /

Control over the development of academic knowledge by residents, as well as the necessary skills that affect personal development and are necessary in further medical activities, is carried out through the resident's electronic portfolio.

The EP provides for training in research skills, taking into account the real needs of modern medicine, aimed at developing the skills of medical research methodology using scientific foundations. Elective component from 2019: (1) Research Management - 1 year of study; (2) Biostatistics - 2nd year of study.

All EP disciplines include training from the standpoint of evidence-based medicine, research management and public health. Residents are trained to search for reliable and high-quality information, the ability to differentiate it according to the degree of value and effectively use it in clinical practice and research work.

For in-depth training within the framework of residency at clinical sites, residents begin independent clinical practice. Residents lead patients, together with teachers and clinical mentors, determining not only the clinical, but also the social aspects of the disease, determine the tactics of patient management, get acquainted with the plan of examination, treatment, the plan of anesthetic provision of the patient, learn teamwork with the use of communicative competence (contacts with doctors various departments, middle and junior medical personnel).

The applied innovative technologies contribute to the achievement of the final learning outcomes, the development of competencies: TBL, CBL, interdisciplinary training with the discussion of clinical cases, allowing the resident to enter the role of a practicing physician, a specialist in the relevant profile with an interdisciplinary approach. Conducting an audit examination of medical records allows the resident to master the skills of an expert. Implementation of scientific projects (RBL) develops the skills of a researcher, medical expert, manager.

All stakeholders (teaching staff, residents, employers) are involved in the process of developing ERP through representation in the relevant structures. The structure of management of the educational programme of residency of the specialty "Anesthesiology and resuscitation, including children" includes collegial bodies (COP PDO, EMC, US) and structural units (profile department, School of Postgraduate Education - SPE). The work of all structures that ensure the implementation and evaluation of the EPR is regulated by the University Development Programme, annual plans and university reports. The results of the discussion are heard at meetings of the Academic Council, the Academic Committee, and are published on the website of the university.

Strengths:

1. The EP has a pronounced practice-oriented approach that ensures the personal participation of residents in the provision of medical care and the formation of responsibility when working with patients;
2. To implement the EP, electronic resources are used, such as an automated information system, electronic catalogs, and an electronic library. Residents have access to international databases in the field of fundamental and applied medicine - Cochrane, Scopus, Rubmed, RINC, UptoDate, Medline, [Academic Journals](#) etc

Conclusions of the EEC on the criteria. Out of 31 standards conform: fully - 26, significantly - 5, partially - 0, do not correspond - 0.
Standard 2: completed

Standard 3: ASSESSMENT OF STUDENTS

The policy of evaluating residents is formulated in the Regulations on the residency of NJSC "SMU". On the example of the strategic partner of NJSC "SMU" - Bashkent University (Turkey), the Assessment Committee was created.

During the training, according to the IRUP, 1/3 of the hours of the total number of residents are allocated to the CPR, which includes work in the department: participation in the supervision of patients, in nosocomial and pathological conferences, participation in consultations, consultations of patients outside school hours through a ZOOM conference, mastering the practical skills provided by the training programme, etc. Forms of CPP indicating topics, tasks, amount of hours and control are reflected in the teaching materials for the discipline, syllabus of each discipline.

The clinical mentor monitors the volume of work performed using his own Case Log username and password, if necessary, notifies the resident about the implementation or non-fulfillment of the plan and gives advice on achieving the final training goals.

A resident is assessed for one patient of each nosological group prescribed in the EP in the framework of CbD. The clinical thinking of the resident is assessed using the CbD checklists. In the second half of the discipline, each resident must receive an assessment of the quality of medical records either from a clinical mentor or teacher. At the same time, evaluation in the form of formative feedback is carried out regularly.

Technical Skills Assessment - OSATS is given from a clinical mentor or instructor. For technical skills, the resident receives a pass / fail grade. In case of unsuccessful delivery, the resident retakes the skill until the skill is completed at the required level.

To assess the theoretical knowledge of the student, the MCQ methodology is used, which during the educational process is not included in the official protocols, but is a method of assessment and feedback for the academic mentor, who gives recommendations to the resident.

At the end of each discipline, the resident takes a mini-clinical exam at the patient's bedside. At the end of each semester, an exam is held in the form of a test.

Score 360 (MSF). Held once a semester. The goal is to obtain objective feedback from others (clinical mentor, medical staff, patient, resident colleague, self-esteem, curator).

In the course of training, residents can apply to the Appeals Commission, which includes the Deputy Chairperson of the Board for Academic Affairs, the Dean of the School, the Chief Specialist of the Digital Technologies Department of the Information Technology Center, the Chief Specialist of the Registrar's Office.

Since the 2020-2021 academic year, the electronic system "KEYPS" has been introduced, which reflects the achievements (current grades, midterm control assessments, final grades) of residents, where examination sheets are automatically generated.

Strengths:

1. Assessment of educational achievements of students is carried out using criteria, regulations and procedures developed in accordance with the goals and objectives for the implementation of the educational programme;

2. Skills assessment is carried out using summative assessment forms.

Conclusions of the EEC on the criteria. Conform out of 11 standards: completely - 7, significantly - 4, partially - 0, do not correspond - 0.

Standard 3: completed

Standard 4: STUDENTS

Information on the examination procedure is available on the university website. The admission of students to residency is carried out by placing a state educational order, as well as paying for training at the expense of students' own funds and other sources.

To monitor entrance exams, independent examiners are involved: Head of the Department of the Anti-Corruption Agency of the Republic of Kazakhstan in the city Semey Turganbaev T.; Chairperson of the anti-corruption committee of NJSC "SMU" O. Usenova, member of NUR-OTAN Efendiev I. M. and representative of the public Atameken Luy A. V.

Admission to residency with an indication of the specialty is announced through the media, by placing announcements on the university website.

The programme of entrance examinations to residency is formed by the staff of the departments of the university, approved at the meeting of the department, at the CEP, the dean, the vice-rector for academic activities and posted on the website. The site also contains introductory questions on educational residency programmes.

In order to ensure transparency of the examination procedure, an annual live broadcast on Facebook is carried out, with the possibility of re-viewing the video. Observers and members of the commission are present in the hall.

The process of developing admission and selection policies is ensured by the participation of residents at meetings of collegial bodies, where they are official members and express their opinions and suggestions for improvement. In order to develop the policy and the selection process, feedback analysis is carried out in the form of a questionnaire survey of residency graduates and employers.

The number of admitted residents is regulated by the State Order of the Ministry of Health of the Republic of Kazakhstan for the training of medical personnel and taking into account the possibilities of clinical, practical training, the maximum permissible load on the curators, the provision of educational, educational, methodological and scientific literature, the throughput capacity of clinical bases, as well as the material and technical resources of the NJSC SMU ...

The counseling service for students of residency is represented by the School of Postgraduate Education, curators of residents, the head of the department of legal support, and a psychologist.

The teaching load of residents is compiled in accordance with the Law of the Republic of Kazakhstan "On Education", the mode of classes from 08.00 to 17.00 students is regulated by educational programmes developed on the basis of the State Educational Standard of Education 2017, 2020, sanitary and epidemiological rules and norms, curricula and recommendations of health and education authorities. The relationship between training and participation of a resident in the provision of medical care is regulated by the rules for organizing the educational process in the SMU residency.

The schedule of classes for the department is formed by the EP. In the future, the schedule of classes is drawn up according to the approved form by the department, agrees with the methodologist of the EP, and is placed in the AIS of the University. Responsibility for placing the schedule in the AIS SMU is borne by the head of the OUMR, EP. The form of conducting contact classes is carried out by the decision of the meeting of the department / module. Experienced specialists of practical health care and pharmacy (doctors and candidates of medical sciences (if any), doctors of the highest qualification category) are involved in conducting classes.

In NJSC SMU, trust boxes are posted in educational buildings to provide them with an opportunity for anonymous feedback. Support is provided to protect the health of students. In case of illness, residents are provided with medical services from the University Hospital and Polyclinic No. 7.

The SMU has developed a programme of social support for students, in accordance with the Labor Code of the Republic of Kazakhstan, the Law on Trade Unions and the Collective Agreement, source: university funds (budgetary and extra-budgetary), funds of the workers' union, funds of the student union and other sources (from the speech of the chairperson of the SMU trade union Smailov N.S., 2019).

For psychological support and psychosocial counseling of residents in the event of a professional crisis, the university operates a psychological service <https://semeymedicaluniversity.kz/studentam/psihologicheskaya-sluzhba/>, a "helpline" is functioning. Systematic work is underway to implement the anti-corruption programme (monitoring, transparency).

The principles of organizing the educational process using distance learning technologies (DLT) are detailed in the Academic Policy of the University of November 18, 2019 and the Academic Policy

of Distance Education of the University of January 20, 2020.

According to the concluded clinical agreement between the University and the base clinic, residents, under the supervision of doctors (mentors) of the medical institution, are allowed to consult, intensive care of patients, to anesthetic aids, to watch. The resident maintains the necessary documentation (residency diary), which displays all the work done for the entire period of study in this specialty. The resident is trained according to an individual plan for the entire period of training.

Strengths:

1. For students (residents) conditions for the successful development of the EP are provided - an internal microclimate, social guarantees, mentoring, appropriate training resources and support services for residents;

2. Involvement of students in the work of consultative and advisory bodies to participate in decision-making regarding the educational programme;

Conclusions of the EEC on the criteria. Out of 30 standards conform: fully - 14, significantly - 6, partially - 0, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit:

1. Make more active use of modern simulation educational technologies in the practical training of residents. Develop modules of practical manipulation skills and clinical scenarios "Full Scenario & Video-based Debrief" to practice clinical thinking, critical communication skills, resource mobilization in a crisis situation and team interaction, including in interdisciplinary training.

Standard 5: ACADEMIC STAFF / FCAULTY

The NJSC "Semey Medical University" has adopted a personnel policy (Regulation on personnel policy dated 10.03.2018, with additions and amendments dated 30.09.2019), which determines the policy and procedures for recruiting personnel.

The selection of teaching staff on a competitive basis is carried out in accordance with the norms "On the approval of the rules for the competitive replacement of positions of the teaching staff and scientific workers of higher educational institutions", and the order of the Minister of Education and Science of the Republic of Kazakhstan No. 230 dated 04/23/2015.

The Department of Anesthesiology, Reanimatology and Narcology employs experienced specialists with extensive experience in their specialty, such as the head of the Department of Anesthesiology, Reanimatology and Narcology, Ph.D. Syzdykbaev M.K., Responsible for residency, Ph.D., Temirgaliev M.B., Muratkanova Zh.M. All of them have a certificate of the highest medical category in the profile specialty, research achievements and pedagogical experience.

In the 2020-2021 academic year, 23 residents (including 17 Pavlodar branch) of the third year, 6 residents (of which 1 Pavlodar branch) of the second year and 38 residents (of which 18 Pavlodar branch) of the first year of study are trained on the basis of NJSC "SMU" specialty "Anesthesiology and resuscitation, including children." The number of residents per teacher in 2020 is slightly higher than the standard (three residents per teacher), which is due to the uneven distribution of residents by courses and the lack of teachers in the Ust-Kamenogorsk branch.

The teaching staff, observing the principle of the trinity of education, science and practice in accordance with an individual plan, along with academic activities, carry out clinical work and scientific work. Along with educational and methodological work, all employees of the department carry out a therapeutic load, in particular, the head of the department conducts 30 consultations every month, and conducts 8 anesthetic aids, not counting the participation in remote consultations of patients with COVID. Assistants provide 8 or more anesthetic treatments at their clinical sites.

Head of the department, MD Syzdykbaev M.K., regularly conducts advanced training (PC) cycles in the specialty "anesthesiology and resuscitation, including children" for anesthesiologists-resuscitators, doctors of other specialties on the topics of anesthesiology and resuscitation, emergency medicine. The staff of the department conducts monthly seminars, conferences for doctors of the clinical base, if necessary, for doctors of Semey and East Kazakhstan region.

The development of teachers and mentors is carried out in accordance with the personnel policy of the university, the Regulation on advanced training of teaching staff. The teaching staff have the opportunity to participate in master classes, seminars, conferences, which ensures the development of teaching staff competencies. The university gives teachers the opportunity to improve their language competencies by inviting them to study in English and Turkish courses within the Medical Foundation.

From the 2020-2021 academic year, the teaching load of the teaching staff in residency is 650 hours, for the head teachers - 600 hours, for the head of the department - 500 hours.

According to clause 3 - Criteria and form of selection of a mentor of the Regulations on a clinical mentor of NJSC "SMU", approved on October 14, 2020, a mentor is appointed from among qualified specialists in practical Health care working at residency bases with the first or highest qualification category and work experience in the relevant specialty for at least 5 years. The selection of clinical mentors is made on the basis of proposals from the head of the department.

Periodic assessment of teachers is carried out in accordance with the Regulations on the certification of employees of the NJSC "Semey Medical University". The results of regular attestations are kept in the personnel management department of the university.

The main motivational tool for the PSS and employees at NJSC "SMU" is the annual rating. At the same time, the processes of developing principles and a system of incentives and motivation for employees are in constant dynamics. The CPI system includes constant and non-constant indicators.

Strengths:

1. Motivated team of teaching staff of a high level of qualifications and close communication employees with practical health care;
2. Policy of selection and recruitment of teachers;
3. System of clinical mentoring of residents;
4. Programme for the development of pedagogical competencies and educational organizers programmes.

Conclusions of the EEC on the criteria. Out of 7 standards conform: completely - 4, significantly - 3, partially - 0, do not correspond - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

1. To increase the research and publication activity of the department staff in republican and foreign specialized publications in the relevant specialty, especially in journals included in international citation bases;
2. Promote the development of innovative educational technologies by teachers, including simulation, by sending employees to undergo training in trainings conducted by recognized international societies of simulation training (ROSOMED, SESAM, SSIH, AMEE, ERC, AHA) and / or initiate training for employees in the workplace. place with the involvement of leading Russian and international specialists in the field of simulation training.

Standard 6: EDUCATIONAL RESOURCES

Departments, for the implementation of educational activities, use the administrative and educational laboratory buildings, clinical bases, laboratories, the Educational and Clinical Center, computer classes in the OCT of the NJSC SMU, lecture halls, a library, mini-libraries, which are on the balance of NJSC "SMU" at the clinical bases of the NJSC "SMU", study rooms and computers with an electronic library, as well as access to Damumed at departments and departments, auxiliary rooms, hostels.

For the purpose of a safe learning environment in NJSC "SMU", in the university hospital of NJSC "SMU", video cameras are installed, a smoke alarm system, alarm buttons are installed in the buildings, there is an emergency exit and tools for emergency situations.

On the initiative of the Chairperson of the Board-Rector of NJSC "SMU" in 2018, mini-libraries were opened in all departments, including clinical ones. Mini-libraries are open from 8:00 to 17:00 h. on weekdays, equipped with stationary computers with free access to world medical resources - UpToDate, Cochrane, PubMed. The library has modern professional literature on the specialty of both

domestic and foreign authors. The convenient location of the mini-library allows residents to visit it and prepare in their free time, without interrupting clinical practice. In the main building of NJSC "SMU" there is a library, which has an extensive book and electronic information fund in three languages.

The material and technical base of the department is systematically updated and expanded in accordance with the submitted application of the department. For example, recently the Department of Anesthesiology, Reanimatology and Narcology received 2 computers, 2 multifunctional devices, 100% Internet access, the university purchased new textbooks, monographs, manuals on anesthesiology, reanimatology.

The clinical bases of the department are: University Hospital of the NJSC "Semey Medical University", where there are 3 ICU departments (departments of anesthesiology, resuscitation and intensive care): for cardiopatients for 7 beds, for adult patients - 13 beds, for children - for 6 beds, as well as ICU in the emergency hospital - for 18 beds; in Ust-Kamenogorsk ICU - regional hospital - 18 beds, mother and child center - 13 beds, 1 city hospital - 13 beds, 4 city hospital - 5 beds; in Pavlodar - 1 city hospital - 18 beds, children's regional hospital - 12 beds, regional hospital - 12 beds, cardiac surgery center - 12 beds, emergency hospital -, 3 city hospital - Perinatal center №1 in Pavlodar - 7 beds. All medical institutions are equipped with the necessary equipment and instruments.

Students and faculty of the university have free access to the Internet, including Wi-Fi at the department, mini-library and reading room of the main building of the SMU. Residents at any time can replenish their knowledge base in modern databases in the field of fundamental and applied medicine: Cochrane, Scopus, Rubmed, RINC, UptoDate, Medline, [Academic Journals...](#)

The university implements 17 programmes of international cooperation based on agreements signed with international universities, 1 planned research programme and 2 scientific grants.

NJSC SMU supports two international agreements with higher educational institutions of foreign countries: with the Faculty of Medicine of the University of Nagasaki (Japan), with the Houston Medical Center (Texas - USA) and the center for training resident doctors in Tulsa, Oklahoma - USA). NJSC SMU cooperates with the European Bank for Reconstruction and Development, the Source - Kazakhstan Foundation and the Japanese Development Fund, ManavBharti University (India), OrangeSmile LLC (Spain), Santosh University (India), Sharda University (India), Kharkiv National Medical University (Ukraine), Slovak Medical University (Slovak Republic).

Strategic partnership with Bashkent University (Ankara, Turkey) allows the university to carry out certain benchmarking work to improve EPR, taking into account the experience of foreign medical education. GPR in the specialty "Anesthesiology, resuscitation, including children's" was compiled in accordance with the State Educational Standard of 2015.

In 2018, the EPR was developed, reviewed and approved by the EPR for the accredited EP (Minutes of the 1st meeting of the department dated 09/12/2018, Minutes No. 1 of the CEP meeting of 12/24/2020). In 2019-2020 The residency programme was adapted from the residency programme of the strategic partner NJSC "SMU" Bashkent University.

Strengths:

1. Effective strategic partnership with Bashket University in matters of quality assurance and further improvement of the EP;
2. Providing the educational process with appropriate medical equipment and access to clinical resources of practice bases;
3. Support of educational programmes with appropriate IT technologies, library resources with access to international databases of professional literature;
4. International cooperation programme with foreign partners.

Conclusions of the EEC on the criteria. Out of 21 standards conform: fully - 20, significantly - 1, partially - 0, do not correspond - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

1. Regularly update the material and technical equipment of the department (simulation center) through targeted purchases of simulation equipment (phantoms, dummies, dummies, patient

simulators) in order to safely master medical manipulations and algorithms for actions in critical situations before contact with patients.

Standard 7: PROGRAMME EVALUATION

For the development and implementation of the EP, the chairperson of the CEP forms a working group headed by the person responsible for the specialty, which determines educational trajectories in accordance with the State Educational Standard of Education in accordance with the Regulations on the procedure for the development, approval and examination of educational programmes in NJSC "SMU" dated March 29, 2019.

Evaluation of the EP's effectiveness based on a systematic study of feedback from students, employers and teachers is automated. QCDME from the 2020-2021 academic year conducts a questionnaire "Satisfaction with the organization of the educational process" for all levels of education twice a year after the end of the winter and summer sessions.

EPR evaluations conducted on a regular basis by the CEP and the Academic Committee take into account the mission, the expected learning outcomes. Methods for assessing knowledge and skills, as well as teaching methods prescribed in the GPW, are especially actively evaluated and revised, taking into account trends in medical education of the Republic of Kazakhstan and the world.

In NJSC "SMU" regular surveys of students are carried out on the issues of satisfaction and quality of the educational process, qualifications of the teaching staff, sufficiency of resources, etc. In addition to the analysis of the questionnaires, the analysis of the results of tests and exams is carried out. At the end of the academic year, a SWOT analysis of the department's activities is carried out.

The improvement of RDA from the standpoint of external quality assurance is guaranteed by the accreditation procedure, by the institute of mentoring in the person of doctors of the highest and first categories, who are clinical mentors of residents.

The improvement of EPR is also carried out on the basis of the Regulations "On enrollment in elective disciplines" developed in NJSC "SMU", according to which the Department annually revises the Catalog of Elective disciplines, taking into account the opinions and wishes of residents and employers. Doctors-anesthesiologists-resuscitators from practical health care gave recommendations and reviews on disciplines: Rakhimzhanov N.R., head of the department of medical care of the NJSC "ICU" until 2020, Kalkenov, M.T. A., Head of ICU UG NJSC "SMU" since 2020, Zhuravlev E.G., head of cardio ICU UG NJSC "SMU", Uruzbaev K.O., head of the children's ICU UG NJSC "SMU", Tokenov D.S., head of ICU UG NJSC "SMU" since 2020.

Informing about the results of the work carried out on the assessment, revision, change of the EPR is carried out through the placement of all relevant information on the website of NJSC "SMU" in the public domain. (<https://semeymedicaluniversity.kz/prepodavatelyam/vnutrennie-normativno-pravovye-akty/>).

Strengths:

1. A system for monitoring the quality of educational programmes through external review at the planning and approval stage, assessment by the educational and methodological council, feedback from participants in educational relations and indicators of the demand for programme graduates;
2. Actively applied feedback from students and teachers.

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 12, significantly - 3, partially - 0, do not correspond - 0

Standard 7: completed

Standard 8: GOVERNANCE AND ADMINISTRATION

The strategic direction of the development of NJSC "SMU" is to promote the health of the population through the integration of education, science and clinical practice, which is reflected in the mission of the university.

The key link in the management of EPD is the dean's office of the School of Postgraduate Education (SPE), whose employees provide advice to residents on employment and organization of the educational process: schedule, appointment of a curator, selection of a clinical base, formation of an individual working curriculum, enrollment in elective disciplines, referral to a conference, participation in competitions, Olympiads.

The main management bodies of the EPR are the Academic Committee (AC) - the supreme governing body of educational and methodological activities of NJSC "SMU", the collegial management body - the Committee of Educational Programmes (CEP), the subcommittee of residency programmes, which coordinates educational and methodological work through ensuring a competence-based approach to training of graduates in the framework of educational programmes in the relevant specialty or field of study.

Evaluation of the effectiveness of management and employees in relation to the achievement of the ERP mission is carried out by the Strategic Planning Department based on the results of monitoring the implementation of the CPF, plans of structural units. The results of the assessment are brought to the attention of the university management in the form of memos, analytical reports, as well as at the meeting of the Council, whose meetings are broadcast on the social network Facebook.

The material assets of the university are formed in accordance with the public procurement plans approved by the rector of the university based on the decision of the commission for consideration of applications for public procurement annually, the meeting of which is also broadcast online on the university's Facebook page. Information on the results of the financial and economic activities of the university and the execution of the cost estimate is heard annually on the CA, which is broadcast online on the university's Facebook page.

The report on the formation of the budget, income and expenses is provided on the RS. The management of NJSC "SMU" fully supports the implementation of the pilot project, allocating the necessary funds for the purchase of the necessary equipment, literature, creating conditions for training residents-anesthesiologists-resuscitators.

In addition to the material and technical support, the employees of the department themselves control human resources: the degree of the department, the training of a personnel reserve. Residency graduates are involved in master's and doctoral studies.

The university's governance system involves all stakeholders, including the health sector, and reflects the responsibility of the academic leadership. Representatives of practical health care, employers are obligatory members of the examination commission for state certification of graduates. Doctors with extensive work experience are part-time workers in the departments of senior courses, which also makes it possible for the other 30 interested parties to participate in the implementation of the university's curriculum. The chief doctors of clinical bases are officially included in the US, AK, KOP.

Strengths:

1. Transparency of educational programme management;
2. Awareness of the participants in the educational process through the placement of information on the educational programme on the website of the NJSC "SMU";
3. Financial and economic activity of NJSC "SMU" is aimed at ensuring financial stability;
4. Ensuring the efficient use of financial resources.

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 12, significantly - 3, partially - 0, do not correspond - 0

Standard 8: completed

Thus, 8 accreditation standards have been met, standard 9 Continuous improvement is recommended to be included in post-accreditation monitoring. No discrepancies were found in the fulfillment of the criteria for each of the basic accreditation standards in the process of analyzing the self-assessment report and conducting the examination as part of the implementation of the tasks of the external expert assessment programme.




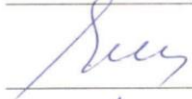






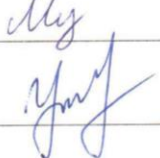
5. Recommendations for improving the educational residency programme

"Anesthesiology and resuscitation, including children's " NJSC "SMU":

1. To actively use modern simulation educational technologies in the practical training of residents. To develop modules of practical skills for performing manipulations and clinical scenarios "Full Scenario & Video-based Debrief" for practicing clinical thinking, critical communication skills, mobilizing resources in a crisis situation and team interaction, including during interdisciplinary trainings (Standard 2).
2. To increase the research and publication activity of the department staff in republican and foreign specialized publications in the relevant specialty, especially in journals included in international citation bases (standard 5.1.1).
3. Promote the development of innovative educational technologies by teachers, including simulation, by sending employees to undergo training in trainings conducted by recognized international societies of simulation training (ROSOMED, SESAM, SSIH, AMEE, ERC, AHA) and / or initiate training for employees in the workplace. place with the involvement of leading Russian and international specialists in the field of simulation training (standard 5).
5. Regularly update the material and technical equipment of the department (simulation center) through targeted purchases of simulation equipment (phantoms, mannequins, dummies, patient simulators) in order to safely master medical manipulations and algorithms for actions in critical situations before contact with patients (standard 6.1.).

6. Recommendation to the ECAQA Accreditation Council

The EEC members came to a unanimous opinion to recommend the Accreditation Council to accredit educational programme in the specialty "Anesthesiology and resuscitation, including children's " of NJSC "SMU" for a period of 5 years.

Chairperson		KUZGIBEKOVA ALMA BOLATOVNA
Foreign expert		RIPP EVGENY GERMANOVICH
Academic expert		ALMAGUL AMANGELDINOVNA KAUYSHEVA
Academic expert	Ha 	SHUKIRBEKOVA ALMA BORANBEKOVNA,
Academic expert		ISENOVA SAULE SHAIKENOVNA,
Academic expert		ESENKULOVA SAULE ASKEROVNA,
Academic expert		KUDABAEVA KHATIMIA ILYASOVNA
Academic expert		KENZHEGULOVA RAUSHAN BAZARGALIEVNA
Academic expert		RINAT MUZAFAROV,
Academic expert		SADIEVA ZHANAR ZAMANKHANOVNA
Academic expert		RAKHMANOV ELTAI UTEMURATOVICH, PhD
Academic expert		RAMAZANOVA MANSHUK ANEROVNA
Expert - employers' representative		SARSENBINA LYAZZAT KYRYKBAEVNA
Representative of undergraduates		MAZANBEKOVA MERUERT YERZHANOVNA
ECAQA Observer		UMAROVA MAKPAL ALDIBEKOVNA

Quality profile and external evaluation criteria (summary)
Of educational programme in the specialty
"Anesthesiology and resuscitation, including children's " of NJSC "SMU"

Standard	Criteria for evaluation Number of standards = BS * / SU	Grade			
		Totally coincides	Significantly corresponds	Partially compliant	Does not match
1	MISSION AND END OUTCOMES 17 = 10/7	9/4	1/3		
2.	EDUCATIONAL PROGRAMME 31 = 22/9	20/6	2/3		
3.	ASSESSMENT OF STUDENTS 11 = 7/4	4/3	3/1		
4.	STUDENTS 30 = 18/12	13/8	5/4		
5	ACADEMIC STAFF / FACULTY 7 = 5/2	2/2	3/0		
6.	EDUCATIONAL RESOURCES 21 = 10/11	10/10	0/1		
7.	PROGRAMME EVALUATION 15 = 10/5	8/4	2/1		
8	GOVERNANCE AND ADMINISTRATION 15 = 8/7	7/5	1/2		
9.	CONTINUOUS RENEWAL 4 = 1/3	0/0	1/3		
	Total: 151 = 91/60	73/42	18/18		
		151			

* BS - the basic standard must be fulfilled by each medical educational organization, and the fulfillment must be demonstrated during an external assessment of the medical educational and scientific organization.

List of documents requested by EEC members within the framework of accreditation

No.	Title of the document	Quantity	Date of approval
1.	Questionnaire forms "Assessment 360 ⁰ " in the context of specialties	1	EMC Minutes No. 6 dated November 22, 2016
2.	Duty schedule	4	Monthly
3.	Job descriptions of the Foundation's health workers	3	Different periods for each provider
4.	Resident job description	1	10.10.2016 EMC protocol No. 5
5.	Job descriptions of employees	1	03.03.2020 year
6.	Catalog of elective disciplines	1	Minutes 10 dated 09/02/2020
7.	Mission of NJSC "SMU" and development strategy	1	2019 year
8.	Educational programmes for accredited EP	1	2016, 2018 and 2020
9.	Agreements and memorandums: agreements with clinical bases, agreements with residents, Memorandums of cooperation	3	2016 to 2020
10.	Research work of residents	1	05/30/2017 Minutes No. 5
11.	Code of Conduct	1	12/30/2015 Minutes of the Management Board No. 3
12.	Evaluation forms	1	2016-17 years
13.	Regulations for Clinical Academic Departments	1	06/19/2020, No. 12
14.	Regulation on the Department of Science and Education	1	29.10.2018, No. 26
15.	Regulations of other departments	1	
16.	Portfolio of residents, personal file of residents	2	
17.	Rules for the organization of the educational process of residency of NJSC "SMU"	1	02/15/2018
18.	Rules for the search, selection, recruitment and certification of workers in NJSC "SMU"	1	11/19/2015
19.	Rules for the search, recruitment, selection and certification of employees of NJSC "SMU"	1	November 19, 2015 as amended in 2016, 2018
20.	Rules for admission to residency	1	2018, as amended from 2019
21.	Orders	7	From 2016-2020
22.	Working curricula for the accredited EP	4	2016, 2017, 2018, 2020
23.	Working curricula	4	From 2017-2020
24.	Schedule	4	2016-2020 years
25.	Syllables	3	2016-17, 2018, 2020
26.	Resident lecture attendance log	1	1.09-12.09.2020

27.	Resident duty schedule	2	09.2020, 12.2020
28.	Educational and methodical council		Protocols from 2016 to 2020
29.	Materials of the educational and methodological council	2	For 2019, 2020
30.	Staffing table	3	NRCMCH - 11/30/2020, RDC - 11/30/2020, AMP - December 2020
31.	Operational plan for the implementation of the strategy	1	03/27/2020
32.	Regulation on teaching staff	1	Minutes 9 dated 28.08.2019
33.	Charter of NJSC "SMU" (as amended)	1	05/12/2020
34.	Instruction checklist of internal training	2	
35.	SCES	1	2015 and 2020
36.	Mission of NJSC "SMU"	1	2019 year
37.	Documents of the Educational and Methodological Council	4	06.11.2020
38.	Guidebook for applicants and students in residency	1	2020 year
39.	List of residents	3	
40.	Residency budget for 2020	1	2020 year
41.	Quality management programme	1	
42.	Employer Application Form	1	2020 year
43.	Privilege list of resident Zhakupova A.B. specialty "A&R"	1	2020-2023
44.	Scientific works of residents	2	2019, 2020
45.	PC Certificates in Teaching Skills	3	2015, 2017, 2017
46.	Certificates for the successful completion of the course-seminar "Methodology for the development of examination material" to assess the key competencies of students "	2	November 24, 2020 NCIE
47.	Certificates / Testimonials PC "Methodology for developing the image of results-oriented programmes" 54 hours	2	11/18/2019 NJSC "SMU"
48.	Examination materials for the accredited EP	1	2017-2018
49.	Interim certification results for accredited EP	1	2017-2018
50.	Sheets and tests for the accredited EP	3	2017-2018
51.	Library attendance log	1	2019-2020