

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 EVALUATION OF THE RESIDENTURE
EDUCATIONAL PROGRAMME 7R09115 "RADIOTHERAPY"
OF NJSC "Semey Medical University"
FOR ACCREDITATION STANDARDS FOR POSTGRADUATE EDUCATION
PROGRAMMES (RESIDENTURE SPECIALTIES) IN MEDICAL
EDUCATION ORGANIZATIONS**

period of external expert commission: 18.05.-20.05.2021

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. 18 dated April 26, 2021, an External Expert Commission was formed to conduct specialized accreditation of the Non-Commercial Joint Stock Company "Medical University of Semey" in the period from May 18 to 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 KAUY SHEVA,
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"



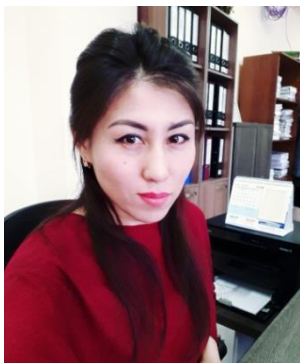
Expert - employers' representative

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
Of "Eurasian Center for Accreditation and
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 7R09115 "Radiation therapy" of NJSC "SMU" for compliance with the Standards of accreditation of postgraduate education programmes (specialties of residency) of medical education institutions of ECAQA, recommendations of the EEC on the further improvement of the educational activities of the university in the field of postgraduate education.

2. General part of the final report of the EEC

2.1 Presentation NJSC "Semey Medical University" and an educational residency programme in the specialty 7R09115 "Radiation therapy"

Non-profit joint stock company "Semey Medical University "(NJSC "SMU") founded on September 1, 1953. The university was opened as the Semipalatinsk State Medical Institute. By the Decree of the Government of the Republic of Kazakhstan dated February 192009 No. 199 PSE on REM "Semipalatinsk State Medical Academy" was reorganized into PSE on REM "State Medical University of Semey" (Certificate of state re-registration of a legal entity No. 2064 -1917-27-ГП dated 05/27/2009. Series B No. 0311105). In 2019, Semey Medical University was reorganized into Semey Medical University. The University implements educational programmes of higher professional education, master's, residency, doctoral programmes, including the specialty of residency 7R09115 "Radiation therapy".

The educational programme (EP) of the specialty 7R09115 "Radiation therapy" is implemented on the basis of the State license No. KZ50LAA00016373 dated 20.06.2019, has passed the examination procedure and is included in the register of educational programmes of the Ministry of Education and Science of the Republic of Kazakhstan.

Currently, residency training takes place at the Department of Clinical and Radiation Oncology, NJSC "SMU". For the period from 2014. 13 students of residency have been trained by 2020. Residency graduates of the specialty 7R09115 "Radiation therapy" are in demand and are employed in various cities of Kazakhstan: Nur-Sultan, Almaty, Pavlodar, Taldy-Kurgan, Ust-Kamenogorsk. EP graduates currently occupy leadership positions in practical health care.

All graduates of residency of the specialty 7R09115 "Radiation therapy" are in demand and are employed in various cities of Kazakhstan: Nur-Sultan, Almaty, Pavlodar, Taldy-Kurgan, Ust-Kamenogorsk.

The main educational, scientific and clinical structural unit of NJSC "SMU", which coordinates the training in residency, is the dean's office of SPE.

2.2 Information on previous accreditation

Accreditation of the educational programme residency in the specialty 7R09115 "Radiation therapy" was accredited in 2016.

2.3 Analysis of the self-assessment report of the educational programme of residency in the specialty 7R09115 "Radiation therapy"

Self-assessment report educational programme presented on 111 pages of main text, appendices on 49 pages (copies or electronic versions), located at the link https://drive.google.com/drive/folders/1fOqgwIQdZVLbEFX1y-dh3CJoNhyw_G9e?usp=sharing...

The report is characterized by the completeness of answers to all 9 accreditation standards, structuredness, taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as the internal unity of information provided by the accredited EP. The report is accompanied by an accompanying a letter signed by the rector prof. E. T. Zhunusova, confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of NJSC "SMU", who is responsible for the self-assessment of educational programmes. Director of the Department of Academic Work - Zhunusova A.B.

Self-assessment of educational residency programmes carried out on the basis of the order on the basis of the order dated January 18, 2021 No. 32 "On the creation of the composition of the Working group on specialized self-assessment of the NJSC" Semey Medical University".

The working group on the preparation of the self-assessment report did some work: 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.

On database, 49 applications pages, are presented in full, sequentially and there are references to them in the text of the report. The report is written in a competent language, the wording for each standard is clear and understandable, the tables contain references in the text and are consecutively numbered.

2.4 General assessment of the educational programme of residency in the specialty 7R09115 "Radiation therapy" for compliance with the Standards of accreditation of programmes of postgraduate education (specialty residency) of medical educational institutions.

Based on the analysis of the self-assessment report by external experts, it was found that The content of the self-assessment report is structured in accordance with the ECAQA accreditation standards and the recommendations of the Self-Assessment Guidelines, at the same time, based on the results of the expert commission, recommendations for adjustments were made, which were taken into account by the working group.

The report is written sequentially in compliance with the logic in the description of the standards, the wording for each standard is clear and understandable, the tables contain references in the text and are consecutively numbered. There are links to regulations, model rules, regulations, teaching documents, website pages <https://semeymedicaluniversity.kz/obuchenie/obrazovatelnye-programmy/>

The self-assessment and description were carried out in accordance with the criteria of the ECAQA accreditation standards and the questions formulated in the Self-Assessment Guidelines were answered. All standards show actual practice of NJSC "SMU" for the preparation residents in the specialty 7R09115 "Radiation therapy", taking into account the beginning of admission of students in 2014-2020, 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 in the specialty 7R09115 "Radiation therapy" of NJSC "SMU" contains an objective, detailed, structured information on all activities in accordance with 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 assessment of the educational programme of residency in the specialty "Radiation therapy" of NJSC "SMU" was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by the order of the Director General of the "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health care " No. 5 of February 17, 2017) and according to the programme and schedule approved by No. 18 of April 26, 2021 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the rector E.T. Zhunusov...

To obtain objective information on the expert assessment of the accredited educational programme, the members of the EEC 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 educational and methodological documents both before the visit and during the visit, the automated information platform was studied (Capes with its tools for providing students with the necessary UM block, test tasks (validity and reliability are assessed by the Capes system), formative and integrated assessment, etc.), publications of teachers, rules for admission to residency, personnel policy, internal quality assurance system programme.

On the part of the NJSC "SMU" staff, 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

N o.	FULL NAME.	Position
1.	Zhunusov Ersin Tursynkhanovich	Chairperson of the Board - Rector
2.	Zhanaspaev Marat Amangazievich	Deputy Chairperson of the Board for Academic Affairs
3.	Aidosov Nurzhan Sarsynbekovich	Deputy Chairperson of the Board for Strategic Development and International Cooperation
4.	Barsukov Andrey Sergeevich	Deputy Chairperson of the Board for Organizational and Economic Work
5.	Bulegenov Tolkyn Alpysbaevich	Deputy Chairperson of the Board for Scientific and Clinical Work
6.	Zhunusova Aigul Bitimbaevna	Director of the Department of Academic Work
7.	Kozhakhmetova Dana Kenzhebaevna	Chief specialist of the department
8.	Turarova Elmira Merkhatorvna	Chief Specialist of the Graduate Employment Department
9.	Kyrykpaeva Ainur Serikovna	Chief specialist of the research department
10.	Krykpaeva Saltanat Sayatovna	Director of the Department of Science
11.	Enikeeva Dilyara Bulatbekovna	Director of the Department of Administrative and Personnel Support
12.	Kadirova Elmira Asylbekovna	Chief Specialist of the Human Resources and Legal Department
13.	Balashkevich Natalia Alexandrovna	Acting Head of the Department of Medical Education
14.	Mansurova Jamilya Anvarovna	Clinic Department Director
15.	Ainur Tasbolatovna Karsakova	Chief Specialist of the Department of Strategic Development and QMS
16.	Dzhakubekova Zhanar Sayatovna	specialist of the department of strategic development and QMS

17.	Nurtoleu Madina Khamitovna	specialist of the department of strategic development and QMS
18.	Sultakeeva Aizhan Beisenovna	specialist of the department of strategic development and QMS
19.	Kadirsizova Gulzhan Sayatovna	Library manager
20.	Alieva Altyn Ermekovna	Senior Specialist
21.	Shaimerdenova Aigul Zhaksylykovna	Senior Specialist
22.	Usserbaeva Orasbibi Savetkanovna	Senior Specialist
23.	Serikbayeva Togzhan Argyngazyevna	Librarian
24.	Zhetpisova Baktygul Bazhakovna	Librarian
25.	Kozhakhmetova Dana Kenzhebaevna	Chief Specialist
26.	Kamalieva Anar Zakenovna	Methodist
27.	Akhmetzhanova Natalia Vladimirovna	Methodist
28.	Duisekenova Anar Aydinovna	Director of the Department of DMPiVS
29.	Nugerbekova Ainur Askhatovna	Chief Specialist
30.	Muratova Asem Muratovna	Specialist
31.	Khasenov Dauren Almasovich	Specialist
32.	Turgali Olzhas Kuatovich	Specialist
33.	Asylbekova Aigerim Mukhametbekovna	Psychologist-sociologist
34.	Zhakupbekova Elmira Aitkalievna	Psychologist-sociologist
35.	Tlebaldin Nurlan Berikovich	Chief Specialist
36.	Egizekov Diaz Bulatovich	Software engineer
37.	Dmitry Krivobokov	Software engineer
38.	Tashetov Medet Myrzagalievich	Technician engineer
39.	Nikolaev Sergey Vladimirovich	Technician engineer
40.	Sartov Nurzhan Kairatovich	Technician engineer
41.	Belokopytov Ivan Yurievich	Technician engineer
42.	Madrakhimov Mergali Beysengazievich	Technician engineer
43.	Musin Zhandos Malikovich	Technician engineer
44.	Klyshbekov Tolman Zhenisuly	Technician engineer
45.	Krivososov Artyom Sergeevich	Operator
46.	Seitkanova Ainur Serikkazievna	Operator
47.	Tlebaldin Nurlan Berikovich	Chief Specialist
48.	Egizekov Diaz Bulatovich	Software engineer
49.	Tatybaeva A.N.	Head of the Student Service Center (SSC&O)
50.	Raisova A.K.	Specialist
51.	Dzhakupova G.K.	Specialist
52.	Sarzhanova K.T.	Clerk
53.	Rakhimbekova A.T.	Archivist
54.	Zhumagali G.S.	Secretary
55.	T.K. Nesipbaeva	Secretary
56.	Nygymetova A.K.	Archivist
57.	Adylkhanov Tasbolat Alpysbesovich	Head of Department "Clinical and radiation oncology"
58.	Beketova Bayan Beysengalievna	Assistant of the Department of "Clinical and Radiation Oncology"

59.	Nurgazin Murat Tolegenovich	Assistant of the Department of "Clinical and Radiation Oncology"
60.	Omarbaeva Aigerim Sergazyevna	Resident of 2 years of study of the specialty "Radiation therapy"
61.	Akasheva Symbat Askhatkyzy	Resident of 2 years of study of the specialty "Radiation therapy"
62.	Kenzhegalieva Nadezhda Vladimirovna	Resident of 2 years of study of the specialty "Radiation therapy"
63.	Kopeeva Azalia Kanatovna	Graduate of the EP specialty "Radiation therapy»2019
64.	Omirsarik kharkyn	Graduate of the EP specialty "Radiation therapy»2020
65.	Zhanybekova Aigerim Slyamovna	Graduate of the EP specialty "Radiation therapy»2020
66.	Zhurkina Nadezhda Andreevna	Graduate of the EP specialty "Radiation therapy" 2019
67.	Zhumakanova Nurgul Sagandykovna	Graduate of the EP specialty "Radiation therapy" 2016
68.	Zhabagin Kuatkhan Talgatovich	Deputy Director for Clinical Work, Center for Nuclear Medicine and Oncology (CNM&O), Semey
69.	Zakirova Raushan Tursynkhanovna	Head of the Department of Radiation Therapy, Center for Nuclear Medicine, Semey
70.	Karnakova Natalia Yurievna	Head of the department - day hospital of the Center for Nuclear Medicine, Semey

The sequence of the visit within 3 days is detailed in the Visit Programme, which is in the documentation of the accreditation center and in the Attachment to this report.

The first day of the visit is 05/18/2021.

An interview with the management and key employees of NJSC "SMU" made it possible to determine the fulfillment of most of the criteria for accreditation standards 1,2,5,7,8,9, namely, to identify approaches to the development of the mission of the educational programme and its compliance with the strategic goals of the university, the role and place of the postgraduate clinical education in the university strategy (plan), mechanisms in determining the appropriate specialty of residency of clinical sites and qualified teachers, guaranteeing the adequacy of educational resources through planning public procurement and concluding agreements with country and international partners. The accredited residency programme is, the experts have studied in detail the documentation, working curricula, syllables, control and measuring instruments, examination sheets,

The experts found that the university strictly adheres to the requirements of regulatory legal acts and SCES in the implementation of educational programmes, and the management systematically monitors this process during internal audits (QMS, mutual control, control of the vice-rector for academic work, reporting, etc.).

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" - departments and KOP, AK, which include representatives of practical health care, students, teachers and administrative staff.

Quality assurance of postgraduate training at NJSC "SMU" is carried out thanks to the process approach to EP management. The university has developed a map of the postgraduate training process, which contains indicators of the quality of the implementation of residency programmes, a description

of the management life cycle. In addition, the university annually approves the Regulation of standard procedures, which includes the main activities for the process of postgraduate training, including the frequency of monitoring the EP.

Conversation with the Dean of the Faculty of Postgraduate Education allowed the experts to find out that the implementation of the EPR is carried out on the basis of educational and methodological complexes of the specialty and the EMCD, the latter includes: a modular educational programme; syllables; control and measuring equipment; residency student portfolio.

The NJSC SMU has a Mentoring School, including all clinical mentors of radiation therapists residents have been trained in this school, all have certificates. Clinical mentors are experienced professionals of CNM&O Semey and have the highest qualification category.

The second day of the visit is 05/19/2021.

This day was devoted to visiting clinical sites for the implementation of residency programmes. The clinical base of the programme in the specialty "Radiation therapy "is the SPE on the REM" Center for Nuclear Medicine and Oncology "of the city of Semey, located at st. Kutzhanova 3. Residents acquire practical skills by taking an active part in diagnostic and therapeutic (initial examination of the patient, gynecological examination on a chair, palpation of the mammary glands, etc.).

At the clinical base, experts surveyed the resources of the accredited educational programme, their compliance with the training courses in residency, accessibility for teachers and residents, how modern this equipment is and meets the needs of students and practical health care.

The University signed agreements on cooperation with medical organizations for residency: Pavlodar Regional Clinical Hospital named after Sultanov (PRCH surgery), Oncological dispensary in Ust.Kamenogorsk city, Pavlodar regional oncological dispensary.

To implement the educational residency programme in the specialty "Radiation therapy", there is modern equipment for conducting radiation treatment methods (high-energy linear accelerators ("TrueBeam"; gamma-therapeutic apparatus "Teragam", brachytherapy complex HDR "GammaMed Plus", X-ray therapy apparatus for close-focus X-ray therapy " Gulmay "). Students have open access to modern diagnostic (CT, MRI, ultrasound, X-ray rooms) and therapeutic medical equipment.

The experts obtained evidence of the fulfillment of accreditation grades 2 and 6, as well as the validation of the information in the self-assessment report of the educational programme.

On the same day, interviews were held with teachers, residents and experts (representatives of practical health care).

When interviewing graduates, it was found that there is 100% employment and their demand remains high.

Interviews with teachers, as providers of the residency programme, showed that there are both successes and problems in the management of the educational programme, depending on the specific clinical base (access of residents to equipment, a sufficient number of thematic patients, time for maintaining medical records, independent work of residents) ... The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers. The teaching staff regularly undergoes certification in ICT (information and communication technologies), in the level of proficiency in the language of instruction, as well as in knowledge of legal regulations in the field of education.

On the same day, experts studied materials on the admission of residents and the selection of teachers.

In order to validate the fulfillment of the data of the self-assessment report and obtain evidence of the quality of the programmes, interviews with residents and instigators were conducted during the work process in the radiology department of the Center for Nuclear Medicine. 3 residents attended 2 years of study specialty "Radiation therapy "Omarova A.S., Akasheva S.A., Kenzhegalieva N.V. and mentors doctors of departments Zakirova R.T., Uderina S.R., Karnakova N.Yu.

The experts asked questions about satisfaction with studying at the university, sufficient time for practical training, supervision of patients and work with medical records, as well as satisfaction with

teaching methods and qualifications of teachers. In general, residents are satisfied with the training, assessment methods, and purposefully entered this university, since they believe that NJSC "SMU" has excellent clinical bases and experience in teaching residents, at the same time, residents would like to participate more in choosing a catalog of elective disciplines, academic mobility.

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, funding, etc.). The experts studied the documents of residents (portfolio, results of assessment of residents-checklists, results of a questionnaire survey of residents).

Interviews with 13 employers on all educational programmes of residency of NJSC "SMU" declared for accreditation were conducted online and included such questions as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of NJSC "SMU" , satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, providing feedback, employment of residency graduates, etc.

A review of resources showed that clinical base SPE on REM "Center for Nuclear Medicine and Oncology" of the city of Semey corresponds to the goals and objectives of the accredited educational programme in terms of the profile of beds, the number of thematic patients, modern equipment and its availability to all students, and the staff of the department ensure collegial and ethical relations with the medical staff, the leadership of the clinical base to achieve the final results of the educational programme. On the clinical site, most of the time residents spend at the patient's bedside, in the radiology and diagnostic departments. 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.

The third day of the visit May 20, 2021

The experts studied the university's documentation in the context of the educational process and the Department of Clinical and Radiation Oncology (51 documents in total), which confirmed the compliance with accreditation standards (nomenclature of the department's affairs, plan for 5 years, annual plan for 2019-2020 academic year and report for 2019 ., a journal of the progress of residents, EMCD, feedback questionnaires with residents, teachers, reports on the results of the questionnaire and the measures taken, the code of ethics, etc., control and measuring instruments), including documentation at the request of members of the EEC.

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. Experts have individually completed the "Quality Profile and Criteria for External Evaluation of the NDC for Compliance with the Standards of residency programme accreditation of medical education institutions of ECAQA ". 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 prof. Kuzgibekova A.B. a final open vote on recommendations for NJSC "SMU" and a final vote on recommendations for the ECAQA Accreditation Council were held. 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.

An observer from ECAQA in November 16-18, 2020 conducted an online survey of residents and teachers of NJSC "SMU" on the resource [https://webanketa.com/...](https://webanketa.com/)

Residents survey results:

The total number of responding residents - 200...

Of the total number of respondents, residents of 1 year of study prevailed - 34%, 2 years of study - 22.5%, 3 years of study - 22.5%, 9.5% bachelors, 7.5% undergraduates.

Will recommend this university as an educational organization - 86% completely agree, 11% partially, 2% completely disagree with this statement, 1% doubt to answer.

90% of the respondents fully agree and 8.5% partially agree that programme managers and teaching staff are aware of their problems in learning, completely disagree with this statement 1 and 0.5% of students hesitate to answer.

Programme managers and teachers involve students in the work of advisory bodies (methodological council, academic council, committee of educational programmes) in 86.5%, 3% are not involved, they know nothing about it 5.5, 2% of respondents doubt to answer, sometimes 3 %.

Most of the students are satisfied with the conditions and equipment of classrooms, the audience of this educational organization - 88.5%, partially satisfied 10%, completely dissatisfied 0.5%, partially dissatisfied 0.5%, 0.5% of respondents doubt to answer.

Teachers provide students with methodological and didactic materials, additional literature to prepare for classes in 92% of cases, partially in 6%, 1% completely disagree with this statement, 0.5% partially disagree, 0.5% of students doubt the answer. 91.5 respondents are completely satisfied with the activities of mentors, curators, scientific advisers, partially 6%, not completely satisfied 1.5%, partially dissatisfied 0.5%, do not know their mentor, curator 0.5% of students. According to 81% of respondents, teachers constantly provide feedback after the end of classes. Respectfully

According to 93% of students believe that the educational organization has access to participation in research work, partially 6%, completely disagree 0.5% and partially agree 0.5%. 90.5% of students are completely satisfied with the library fund, 9% are partially satisfied, 0.5% are partially satisfied. 97% of students noted sufficient access to electronic educational resources, 3% are partially satisfied.

According to the respondents, 90.5% are completely satisfied with the availability of medical services, 7% are partially satisfied and 2% are not completely satisfied.

94.5% believe that social programmes to support students exist and are being implemented in the educational organization, 0.5% do not agree with this opinion, 4% have not heard about such programmes and 1% do not know what they are asking about.

93.5% fully agree that the educational organization has established a system of self-study for students, residents, undergraduates, doctoral students, 5.5% partially agree, 0.5% partially disagree, 0.5% doubt the answer.

The organization of clinical training for residents, according to 84.5%, fully satisfies them, and 12.5% partially. Fully (74%) and partially (22%) satisfied with the teaching methods. There is enough time for practical training (supervision of patients, etc.) - 93.5% fully agree, 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 0.5% - 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. The availability of educational guidance for students was noted by 99%.

According to a survey, 74.5 students are engaged in research work. And 7.5% plan to start research work, 3% are looking for research and development work. During training, 55.5% of students have published works during training, while 23.5% have more than one publication

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:

Members of the EEC have carefully studied and assessed the main indicators of the accredited educational programme. The information obtained by external experts 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 for NJSC "SMU" was analyzed. All the information received was compared with the data of the self-assessment report, which made it possible to make sure of the reliability of the information provided by NJSC "SMU" and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, NJSC SMU described its best practice in adherence to accreditation standards, during the external expert commission, the EEC members studied the main documents (mission, strategic plan until 2023, teaching materials of disciplines, syllabuses, control measuring instruments, checklists, portfolios of residents, individual plans of residents for the 2020-2021 academic year, publications of teachers, rules for admission to residency, personnel policy, an internal quality assurance system programme, resources for training were viewed directly on 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 the 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 all residency programmes are 40 bases that provide training for all levels of medical care (from primary care to highly specialized). There are 4 clinical sites on the accredited educational programme, of which 2 experts have visited. The volume of the study load and treatment and prophylactic work by specialty sections is determined by the individual work plan of the student of the residency (clause 14) for one year and is monitored by monthly reports of the resident in an arbitrary 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.

The accredited educational programme and the entire educational, methodological, personnel and resource base were assessed according to the current state educational standard and for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development (CEPs, meetings of departments),

the assessment of educational programmes (CEP), decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for admission and assessment of residents, development of the content of individual plans of residents and 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 students.

Recommendations for improving activities in the implementation of the educational residency programme in the specialty 7R09115 "Radiation therapy" for compliance with the Accreditation Standards, developed by the EEC based on the results of an expert assessment, were presented at a meeting with the management on 05/20/2021.

The programme of the 3-day visit of the external expert evaluation of the EEC has been fully completed. On the part of the NJSC "SMU" team 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 of 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 of compliance with accreditation standards based on the results of an external assessment of the residency educational programme in the specialty 7R09115 "Radiation therapy" of NJSC "SMU" and an overview of the strengths for each standard.

Standard 1: MISSION AND END OUTCOMES

Department staff clinical and radiation oncology, NJSC "SMU" implementing the residency programme by specialty 7R09115 "Radiation therapy" as the basis of the mission of the educational programme, and the goals, he adopted the mission of the university and informed the interested parties (teachers, employers, residents) about it in order to clearly understand the tasks and strive to meet the needs of practical Health care. The structure of the educational programme, where there is a dominance of practical training (75%), the sufficiency of clinical bases and a mentoring system allow strengthening the patient-centered approach in the care and treatment of patients. The university organized training and clinical practice in compliance with safety for all participants in the educational process (safety precautions, use of PPE, instructions before training).

Department responsible for the residency programme clinical and radiation oncology applies a variety of innovations in the learning process, allowing the development of basic and special competencies of residents, namely at the patient's bedside, clinical analyzes, solving situational problems, protecting medical records, training in laboratories.

At the same time, the involvement of residents in the scientific work of the department is insufficient, it is not of a systemic nature (1.1.7).

The experts received convincing data that the university is autonomous in making decisions in the development of an educational programme in terms of the elective component, the current and final assessment policy, including the choice of assessment methods (testing, oral questioning, clinical examination), selection and admission of residents (specialty exam) , personnel policy in relation to teachers under the accredited educational programme, as well as the distribution of resources (classroom fund of clinical bases according to contracts).

The EMCD defines the final learning outcomes in accordance with the qualification requirements for the residency specialty.

The university has developed a Student Ethics Code with which residents are familiarized and work on the development and improvement of communication skills is carried out systematically and integrated into the work programme.

At the same time, the participation of practical Health care in the development of the mission and goals of the educational programme is not sufficiently reflected, expert commission is formalized and feedback from practical Health care is not collected when forming optional components.

Overall, Standard 1 demonstrates compliance.

Strengths:

1. Clear vision and strategic planning, effective management structure of NJSC SMU
2. Collaboration with practical Health care to train residents through a mentoring system.
3. A clear vision and strategic planning in postgraduate clinical education and an appropriate management structure.

Conclusions of the EEC on the criteria. Out of 17 standards conform: completely - 16, significantly - 1, partially - 0, do not correspond - 0.

Standard 1: completed

There are no recommendations for improvement identified during the external visit.

Standard 2: EDUCATIONAL PROGRAMMES

The accredited residency programme in the specialty 7R09115 "Radiation therapy" is implemented in accordance with the State Compulsory Standards and Model Professional Curricula for 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 educational programmes of residency with a focus on learning outcomes) for 2 years and during this period, a lot of work has been done to develop teaching materials, organize a place of training for residents, form the composition of departments and identify mentors. A model of residents' competencies has been introduced in accordance with the qualification requirements for the specialty. The structure, content and duration of the programme are clearly defined. The mechanism for the development and approval of the residency programme is determined and regulated by the CEP.

1) The staff of the departments has the necessary competencies for training, at the same time, the mentors represented by the staff of the clinical bases, despite their professional level, do not fully possess pedagogical techniques, which limits the implementation of a high-quality transfer of professional knowledge and skills. The teachers of the departments use a variety of methods of active (business games, brainstorming, clinical analyzes, case studies, etc.) and traditional (oral analyzes, mini-lectures) training, according to which staff members are mainly periodically trained within the university. The dean's office is trying to monitor this process through the School of the Mentor, however, mechanisms for improving EP based on the study of the results of feedback from students and graduates by the university have not been sufficiently developed.

Due to the availability of clinical bases for residents, they spend most of their study time in close contact with patients, medical records, including automated Health care systems. Residents are taught by mentors to work with the latter. When conducting interviews with residents, the experts were convinced that the organization of training and work is focused on patients, at the same time, there is not always a sufficient number of thematic patients (for example, when studying the discipline "Oncorehabitation") time for theoretical analysis of complex topics and study of literature in modern databases ...

In total, according to the accredited educational programme, there are 3 mentors at the main clinical base, who carry out their activities in accordance with the Regulation on mentors. No

precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external evaluation.

Despite the fact that the main disciplines of the EP residency in the specialty "Radiation therapy" provide for the inclusion of a scientific component with the conduct of SRP research work, the university decided to include it in the educational programme as part of the component for choosing the discipline "Fundamentals of Evidence-Based Medicine in Clinical Practice" for residents without the right to choose.

Overall, Standard 2 demonstrates compliance.

Strengths:

1) There is a model for training residents through the integration of education and clinical training with a sustainable mentoring system.

2) Effective strategic partnership with Bashkent University (Turkey) in matters of quality assurance and further improvement of the EP.

Conclusions of the EEC on the criteria. Out of 31 standards correspond: fully - 31, significantly - 0, partially - 0, do not correspond - 0.

Standard 2: completed

Recommendations for improvement identified during the external visit:

1. In order to ensure the academic freedom of residents, it is possible to involve residents in the formation of QED during the first semester of the first year of study.
2. Systematic analysis of feedback from employers, followed by corrective actions.

Standard 3: ASSESSMENT OF STUDENTS

In NJSC "SMU" a policy for assessing residents has been developed and implemented, including the principles and methods of assessment, which are reflected in the "Academic policy of the university" (order No. 195 of 08/28/2019), the Regulation on the current monitoring of progress, intermediate and final certification of students NJSC "SMU"... Responsibility for the implementation of the policy for assessing the educational achievements of residents is borne by the teaching staff of the departments, heads of departments (modules), the office of the registrar.

The assessment of the educational achievements of residents covers the assessment of key competencies, and the assessment tools themselves are developed by departments / modules - control questions, tasks in test form (MCQ tasks with several options for correct answers), a list of practical skills, situational tasks, clinical situations. Information about the point-rating system of assessment is posted on the website [https://semeymedicaluniversity.kz/obuchenie/akademicheskij-rejting-obuchajushhegosja/...](https://semeymedicaluniversity.kz/obuchenie/akademicheskij-rejting-obuchajushhegosja/)

As an additional method for assessing residents, the portfolio is used, which the experts got acquainted with at the departments supervising the residency programmes. Residents are engaged in research work, which must necessarily end with the publication of a scientific article or a report at scientific and practical conferences. The assessment of scientific work also affects the overall assessment of the discipline.

The number of exams in each course is regulated by the Standard Curriculum, which is an integral part of the State Educational Standard of the Republic of Kazakhstan 2020. in the specialties of residency. The results of the achievement of students are exhibited in the electronic journals of the system "Sirius until 2019", "Platonus 2020", "Keys-2021".

The possibility of an appeal based on the results of the interim and final certification of residents is determined in the "Academic Policy" (<https://semeymedicaluniversity.kz/obuchenie/politika-disciplin/>).

Planning procedure, organization, monitoring and analysis of assessment methods in KazNMU ensures the reliability and validity of these methods. The development of new control and measuring

instruments is carried out by teachers through the study of world experience in assessing knowledge in residency, then it is introduced at the department.

Thus, this standard is generally implemented at the university.

Strengths:

1) 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.

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

Recommendations for improvement identified during the external visit:

1. Monitor the implementation of innovative educational technologies by teachers in the educational process with the formalization of results (acts of implementation).

Standard 4: STUDENTS

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, methodological and scientific literature, the throughput capacity of clinical bases, as well as the material and technical resources of the NJSC "SMU". The Regulations on the admission of students to higher and postgraduate education at NJSC "Semey Medical University" for the corresponding academic year, based on regulatory legal acts, are applied. Information about the required list of documents for admission to residency is posted on the website of NJSC "SMU", as well as in the selection committee.

2014-2020 16 students of residency entered the specialty "Radiation therapy". In the current academic year, 3 residents are studying for 2 years - A.S. Omarova, Akasheva S.A., Kenzhegalieva N.V.

Thus, the university has created all the conditions that provide balance and opportunities for the preparation and recruitment of students.

Strengths:

1) Availability in the structure of the university of a system of health protection of students, psychological service, department for employment of graduates and medical foundation of NJSC "SMU".

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

Standard 4: completed

Recommendations for improvement identified during the external visit:

1. Provide students with an alternative choice of elective disciplines.

Standard 5: ACADEMIC STAFF / FACULTY

Department implementing the programme in the specialty of residency 7R09115 "Radiation therapy" is department of clinical and radiation medicine with a sufficient number of teachers. Head of the Department - Doctor of Medical Sciences, Professor Adylkhanov Tasbolat Alpysbesovich. The degree of degree is more than 50%. The average age is 50 years.

Over the past few years, they have taught master classes, field training cycles on various topics of radiology - "Brachytherapy of prostate cancer" (Poland); "Brachytherapy of the breast, lungs, esophagus" (Master class of the Maria Skladowska - Curie Institute (Poland)); "High-tech radiation therapy (intensity modulated and image-guided)" (Latvia); "Quality control on linear accelerators for modern methods of radiation therapy (IMRT, IGRT, RapidArc)"; "High-tech radiation therapy - radiosurgery" (KRIOR); "Quality assurance of methods of progressive radiation therapy from Varian" (Astana). In view of the supply of radiation equipment by Varian (USA) within the framework of

training, as well as through the IAEA, radiation therapists and medical physicists of the Institute in the neighboring countries (Latvia, Estonia, Azerbaijan, Russia) and far abroad (Switzerland, Germany, Austria, Italy, Spain). In addition, all teachers have certificates in pedagogy: Modern innovative methods in improving medical education, science and practice, Development of communication skills for clinical students, Process excellence tools: European EFQM model, Effective teacher.

At the same time, when questioning teachers, which was carried out by the observer of the accreditation center, only 52.24% noted the support of the university for participation in international and republican events with payment for travel, travel expenses, registration fees. 59.7% are aware of the implementation of social programmes to support teachers, 31.34% do not know about this, 7.46% doubt the answer. Management and administration systematically listen to the opinion of teachers - 62%, sometimes - 25.32% of respondents.

Strengths:

- 1) Effective interaction of the staff of the department with employers, clinical bases on the preparation of highly qualified graduates.
- 2) Improving the competence of teaching staff and mentors on teaching methodology, assessing the knowledge of students, on an ongoing regular basis.

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

Standard 5: completed

Recommendations for improvement identified during the external visit:

1. To increase the publication activity of the department staff in foreign publications, especially in journals included in international citation bases.

Standard 6: EDUCATIONAL RESOURCES

The clinical base of the Department of Clinical and Radiation Oncology is the Center for Nuclear Medicine, Semey, with a total bed capacity of 140 beds and 40 beds in a day hospital (accredited in 2020)... The structure of CNMiO includes Departments: intensive care, surgical, gynecological, radiological, chemotherapeutic, cytological, pathomorphological, radiological, clinical and diagnostic. The main place of practice is the radiological department of the Center for Nuclear Medicine. High-tech radiation therapy methods such as 3D conformal therapy, IMRT and RapidArc are used in the treatment of patients in the radiation therapy department. To implement the EP residency in the specialty "Radiation Therapy", there is modern equipment for conducting radiation treatment methods (high-energy linear accelerators (TrueBeam; Teragam gamma therapy apparatus, HDR brachytherapy complex GammaMed Plus, X-ray therapy apparatus for close-focus X-ray therapy "Gulmay Students have open access to modern diagnostic (CT, MRI, ultrasound, X-ray rooms) and therapeutic medical equipment.

In addition to the main clinical base CNMiO of "SMU" signed 4 agreements on cooperation with medical organizations for undergoing residency 7R09115 "Radiation therapy". In order to expand the possibilities of clinical training, NJSC "SMU" opened 2 branches (in Ust-Kamenogorsk, Pavlodar).

To implement the EP, electronic resources are used, such as automated Information system, electronic catalogs, 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.

According to the survey data, the majority of students are satisfied with the conditions and equipment of classrooms, the audience of this educational organization - 88.5%, partially satisfied 10%, completely dissatisfied 0.5%, partially dissatisfied 0.5%, doubt to answer 0.5% of respondents ... 90.5% of students are completely satisfied with the library fund, 9% are partially satisfied, 0.5% are partially satisfied. 97% of students noted sufficient access to electronic educational resources, 3% are partially satisfied.

Strengths:

- 1) A sufficient number of clinical sites to conduct rotations in the study of disciplines.
- 2) Copyright information programmes developed by the university: Orion, Talent pool "Nadezhda", "Catalog of scientific projects", "Register of debtors", etc.

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

There are no recommendations for improvement identified during the external visit.

Standard 7: PROGRAMME EVALUATION

NJSC "SMU" has developed mechanisms for the approval of educational programmes, providing for the assessment of programmes at the stages of planning, implementation, analysis of results and implementation of changes, which allows monitoring the process of implementation of the EP and progress of residents, and ensures the identification and timely solution of emerging problems. The quality of the training is assessed by a group of independent experts (at the request of the COPs and / or specialized educational departments). The monitoring of the quality of the educational process and the satisfaction of consumers of educational services is carried out by experts from the COP, AC.

The CEP carries out a systematic study and a comprehensive assessment of the EP in order to improve and guarantee quality (determining the value of the programme, achieving the goal, implementing tasks, the degree of compliance with the needs of society, the requirements of employers, the effectiveness of the teaching methodology), as well as assessing the educational and methodological support and support of the educational process, assessment of the quality of EP in areas of specialization. For this purpose, the external assessment of the EP is carried out by a competent representative of practical health care.

Thus, this standard as a whole demonstrates compliance.

Strong point:

- 1) The presence of a stable and effective system for evaluating residency educational programmes and the presence of a responsible body - COP, AC.

Conclusions of the EEC on the criteria. Out of 15 standards conform: fully - 13, significantly - 2, partially - 0, do not correspond - 0

Standard 7: completed

Recommendations for improvement identified during the external visit:

- 1) Active participation of stakeholders, including foreign partners, in the development and discussion of educational residency programmes in the specialty "Radiation therapy"

Standard 8: GOVERNANCE AND ADMINISTRATION

Quality management of EP formation and implementation in the specialty "Radiation therapy" and educational and methodological documentation for training in residency is entrusted to the Department of Academic Work (DAW), the educational department, the registrar's office, the quality control department of medical education, the library, the digital technology department. This process also involves the School of Postgraduate Education, the Department of Strategic Planning and the Department of Clinical and Radiation Medicine.

Criteria for the selection of applicants for residency in the specialty "Radiation therapy" are described in the Regulations on admission to residency of the NJSC "Semey Medical University" and include the obligatory presence of basic medical education, internship. The rules for admitting applicants to residency are indicated on <https://semeymedicaluniversity.kz/postuplenie/rezidentura/>

Duration of studies in residency in the specialty "Radiation therapy" is 2 years.

Teachers and mentors of the Department of Clinical and Radiation Oncology of Semey Medical University are responsible for the high-quality implementation of the educational process in the

specialty "Radiation Therapy", which is regulated by job descriptions, as well as the implementation of the individual development plan (IDP) of the student in residency.

To achieve transparency in the work of management, all decisions regarding quality management of the educational residency programme in the specialty "Radiation therapy" are made collectively through the Committee of Educational Programmes (CEP), as well as the decision of the Academic Council (AC).

Thus, Standard 8 meets the requirements of the accreditation standard.

Strengths:

1) The development of NJSC "SMU" is based on the principles of improving the management system and quality, taking into account a flexible response to market requirements

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

Standard 8: completed

Recommendations for improvement identified during the external visit:

1) Develop international cooperation within the framework of residency programmes and in particular "Radiation therapy".

Standard 9: CONTINUOUS RENEWAL

Strengths:

1) Availability of a sufficient number of clinical bases of various levels of oncological care (Semey, Ust-Kamenogorsk and Pavlodar).

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

Standard 9: completed

Recommendations for improvement identified during the external visit:

1) exchange of teachers and students between NJSC "SMU" and Bashkent University (Ankara, Turkey).

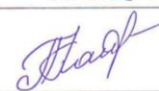

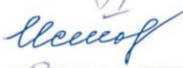
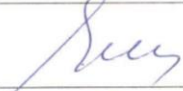


Thus, all 9 accreditation standards have been met, no inconsistencies in the fulfillment of the criteria of each of the basic accreditation standards in the process of analyzing the self-assessment report and conducting the examination as part of the tasks of the external expert commission programme were found.

5. Recommendations for improving the educational residency programme in the specialty 7R09115 "Radiation therapy» of NJSC "SMU":

1. Ensure the participation of residents of the first year of study in the formation of a catalog of elective disciplines.
2. Provide residents with an alternative choice of elective disciplines.
3. Carry out a systematic analysis of feedback from employers, followed by corrective actions.
4. Ensure the active participation of stakeholders, including foreign partners, in the development and discussion of the educational residency programme.

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 of residency 7R09115 "Radiation therapy» 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	на 	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)
educational programme in the specialty of residency 7R09115 "Radiation therapy» 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	10/6	1		
2.	EDUCATIONAL PROGRAMME 31 = 22/9	22/9			
3.	ASSESSMENT OF STUDENTS 11 = 7/4	7/4			
4.	STUDENTS 30 = 18/12	18/12			
5	ACADEMIC STAFF / FACULTY 7 = 5/2	5/2			
6.	EDUCATIONAL RESOURCES 21 = 10/11	9/11	1		
7.	PROGRAMME EVALUATION 15 = 10/5	8/5	2		
8	GOVERNANCE AND ADMINISTRATION 15 = 8/7	8/7			
9	CONTINUOUS RENEWAL 4 = 1/3	1/3			
	Total: 151 = 91/60	88/59	3/1		
		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 interviewees with EEC

Teachers of the Department

N o.	FULL NAME.	Position, department	Academic degree and title
1	Adylkhanov Tasbolat Alpysbesovich	Head of Department "Clinical and radiation oncology"	Doctor of Medical Sciences, Professor
2	Beketova Bayan Beysengalieвна	Assistant of the Department of "Clinical and Radiation Oncology"	Ph.D.
3	Nurgazin Murat Tolegenovich	Assistant of the Department of "Clinical and Radiation Oncology"	Ph.D.

Residents

N o.	FULL NAME.	Specialty, course, (GPA)
1	Omarbaeva Aigerim Sergazyevna	Radiation therapy
2	Akasheva Symbat Askhatkyzy	Radiation therapy
3	Kenzhegalieva Nadezhda Vladimirovna	Radiation therapy

Graduates

N o.	FULL NAME.	Specialty, year of graduation	Position, place of work, Contact information (mobile phone)
1	Kopeeva Azalia Kanatovna	2020	Center for Nuclear Medicine, Semey, radiation oncologist
2	Omirserik kharkyn	2019	MMC Nur-Sultan, radiation oncologist
3	Zhanybekova Aigerim Slyamovna	2019	Center for Nuclear Medicine, Semey, radiation oncologist
4	Zhurkina Nadezhda Andreevna	2019	EKR CNM&O Ust-Kamenogorsk, radiation oncologist
5	Zhumakanova Nurgul Sagandykovna	2016	NJSC "SMU", PhD candidate 2 year of study

Employers

N o.	FULL NAME.	Position, place of work, Contact information (mobile phone)
1	Zhabagin Kuatkhan Talgatovich	Deputy Director for Medical Work, CNM&O
2	Zakirova Raushan Tursynkhanovna	Head of the Department of Radiation Therapy, CNM&O
3	Karnakova Natalia Yurievna	Head of the department - day hospital CNM&O

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 3600" 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.	Portfolio of residents, personal file of residents	2	
16.	Rules for the organization of the educational process of residency of NJSC "SMU"	1	02/15/2018
17.	Rules for the search, selection, recruitment and certification of workers in NJSC "SMU"	1	11/19/2015
18.	Rules for the search, recruitment, selection and certification of employees of NJSC "SMU"	1	November 19, 2015 as amended in 2016, 2018
19.	Rules for admission to residency	1	2018, as amended from 2019
20.	Orders	7	From 2016-2020
21.	Working curricula for the accredited EP	4	2016, 2017, 2018, 2020
22.	Working curricula	4	From 2017-2020
23.	Schedule	4	2016-2020 years
24.	Syllables	3	2016-17, 2018, 2020
25.	Resident lecture attendance log	1	1.09-12.09.2020

26.	Resident duty schedule	2	09.2020, 12.2020
27.	Educational and methodical council		Protocols from 2016 to 2020
28.	Materials of the educational and methodological council	2	For 2019, 2020
29.	Staffing table	3	NRCMCH - 11/30/2020, RDC - 11/30/2020, AMP - December 2020
30.	Operational plan for the implementation of the strategy	1	03/27/2020
31.	Regulation on teaching staff	1	Minutes 9 dated 28.08.2019
32.	Charter of NJSC "SMU" (as amended)	1	05/12/2020
33.	Instruction checklist of internal training	2	
34.	SCES	1	2015 and 2020
35.	Mission of NJSC "SMU"	1	2019 year
36.	Documents of the Educational and Methodological Council	4	06.11.2020
37.	Guidebook for applicants and students in residency	1	2020 year
38.	List of residents	3	
39.	Residency budget for 2020	1	2020 year
40.	Quality management programme	1	
41.	Employer Application Form	1	2020 year
42.	Scientific works of residents	2	2019, 2020
43.	PC Certificates in Teaching Skills	3	2015, 2017, 2017
44.	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
45.	Certificates / Testimonials PC "Methodology for developing the image of results-oriented programmes" 54 hours	2	11/18/2019 NJSC "SMU"
46.	Examination materials for the accredited EP	1	2017-2018
47.	Interim certification results for accredited EP	1	2017-2018
48.	Sheets and tests for the accredited EP	3	2017-2018
49.	Library attendance log	1	2019-2020
50.	Development programme of NJSC "Semey Medical University" for 2020-2024	1	at the meeting board of directors December 2, 2020 protocol No. 8
51.	Methodical instructions for IGA students NJSC "Semey Medical University"	1	Rev.3 dated 10/30/2019
52.	Residency regulation NJSC "Semey Medical University"	1	Rev.4 dated 02/01/2021