



«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission on the assessment of compliance with the requirements of the standards of specialized accreditation of the educational program 7R01141 "Emergency medicine adult, children" (primary accreditation)

implemented in the "Karaganda Medical University" NCJSC from "24" to "26" May 2022

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External Expert Commission

Addressed to the IAAR
Accreditation Council



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Karaganda "26" May 2022

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(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

AC	Academic Council
AP	Academic policy
HEI	Higher education institution
SMSE	State mandatory standard of education
DAW	Department of Academic Work
DLT	Distance learning technologies
DI and ID	Department of Informatization and Infrastructure Development
DHRM	Department of Human Resources Management
UHEMS	Unified Higher Education Management System
FAC	Final Attestation Commission
FSC	Final state certification
IL	Instructional letter
IC	Individual curriculum
SC	Selection Component
CMIS	Comprehensive Medical Information system
CED	Catalog of elective disciplines
MH	Ministry of Health
IAAR	Independent agency for accreditation and rating
«KMU» NCJSC	"Karaganda Medical University " non - commercial joint - stock company
NCIE	National Center for Independent Examination
RCCH	Regional Children's Clinical Hospital
RCH	Regional Clinical Hospital
EP	Educational program
APS	Assessment of practical skills
AAR	Assessment of the admission rating
OSCE	Objective structured clinical examination
PD	Profile disciplines
Teaching staff	Teaching staff
RK	Republic of Kazakhstan
WP	Work programs
WC	Working curriculum
SSS	Student Support Service
IWR	Independent work of residents
EPMS	Employee performance management system
TVE	Technical and vocational education
SC	Standard curriculum
EMCD	Educational and methodological complex of the discipline
CSET	Center for Simulation and Educational Technologies
SR and PD	School of Residency and Professional Development
AMEE	Associations of Medical Education in Europe
TCC	Training on clinical cases
ECTAS	European Credit Transfer and Accumulation System
WAALAA	Weighted average assessment of the level of academic achievements
PBL	Problem-oriented learning
RBL	Research-oriented learning
TBL	Team-oriented training

(II) INTRODUCTION

In accordance with the order of the Director General of IAAR No. 53-22-OD dated 03/14/2022, from May 24 to May 26, 2022, an external expert commission evaluated educational programs implemented at the NAO "Medical University of Karaganda" (Karaganda) for compliance with the requirements of the standards of specialized accreditation of postgraduate medical education (residency) based on the standards of WFME/AMSE:

7R01108 "Cardiology for adults, children",

7R01118 "Otorhinolaryngology for adults, children",

7R01122 "Psychiatry for adults, children",

7R01127 "Traumatology and orthopedics for adults, children"

7R01144 "Emergency medicine for adults, children (primary accreditation)"

The report of the external expert commission (EEC) contains an assessment of EP 7R01144 "Emergency medicine for adults, children (primary accreditation)", recommendations of the ECC for further improvement of the educational program and parameters of a specialized profile for EP 7R01144 "Emergency medicine for adults, children".

EEC composition:

IAAR expert, Chairman of the EEC – Chernetsky Olga Semenovna N. Testemitsanu State University of Medicine and Pharmacy (Chisinau, Republic of Moldova) online;

IAAR expert - Dmitry Dmitrievich Redko, PhD, Associate Professor, Gomel State Medical University (Gomel, Republic of Belarus);

IAAR expert – Zholdin Bekbolat Kulzhanovich, PhD, NAO "West Kazakhstan Medical University named after Marat Ospanov" (Aktobe, Republic of Kazakhstan);

IAAR expert – Jarbosynova Botagoz Bineshovna, MD, Professor of the NAO "Kazakh National Medical University named after S.D. Asfendiyarov" (Almaty, Republic of Kazakhstan);

IAAR expert – Seidakhmetova Aizat Ashimkhanovna, PhD, JSC "South Kazakhstan Medical Academy" (Shymkent, Republic of Kazakhstan)

IAAR expert – Abilmazhinov Mukhtar Tolegenovich, MD, Professor of the NAO "Astana Medical University" (Nur-Sultan, Republic of Kazakhstan);

IAAR expert, employer – Daniyarova Bayan Lashinovna, KGP "Regional Clinical Hospital" (Karaganda, Republic of Kazakhstan);

IAAR expert, student – Murzabulatova Ainur Chingizovna, resident of 2 years of study, Corporate Foundation "University Medical Center" (Nur-sultan, Republic of Kazakhstan) online;

IAAR expert, student – Amanullayeva Marzhan Serikkyzy, resident of 2 years of study, Kazakh National Medical University named after S.D. Asfendiyarov (Almaty, Republic of Kazakhstan) online;

IAAR Coordinator – Alisa Satbekovna Dzhakenova, PhD, Head of Medical Projects of the Agency (Nur-Sultan, Republic of Kazakhstan).

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

"Karaganda Medical University" non - commercial joint - stock company was established in 1950 on the basis of the Resolution of the Council of Ministers of the Kazakh SSR No. 65 dated January 20, 1950 "On the organization of the Karaganda State Medical Institute" in accordance with the order of the Council of Ministers of the USSR dated December 5, 1949 No. 19630-R. "KMU" NCJSC is the leading medical university in Kazakhstan for the training of qualified personnel for the

healthcare system, has a high reputation in the field of providing educational, scientific and diagnostic services, has a high national rating among medical universities in Kazakhstan.

Currently, the University implements multi-level training of specialists: technical and vocational education (hereinafter - TVE), bachelor's degree, postgraduate (master's, doctoral, residency,) and additional education. The training is carried out in the state, Russian and English languages. Graduates successfully work in Kazakhstan, the countries of the near and far abroad.

The contingent of students (as of May 2022): the total contingent of 7380 people, including undergraduate students – 5462, internship – 638, master's degree – 45, residency – 761, doctoral – 58, TVE – 416.

Training is carried out in the following areas: health and social security (medicine), engineering, natural and interdisciplinary sciences. The training is conducted in Kazakh, Russian and English in 10 bachelor's degree programs, 26 master's degree programs, 5 doctoral programs, 32 residency programs, 7 TVE programs. In addition, additional training is offered for healthcare and education workers in 52 specialties.

The university is taught by highly qualified teachers, 22 academicians and corresponding members of the National Academy of Sciences of the Republic of Kazakhstan, the Academy of Medical Sciences, the Academy of Military Sciences, the National Academy of Natural Sciences of the Republic of Kazakhstan, the Russian Academy of Natural Sciences, the International Academy of Informatization, the Eurasian International Academy of Sciences. The teaching staff of KMU NCJSC is 629 people, including: Doctors of sciences – 55 people, PhD doctors – 31 people, candidates of sciences – 165 people, masters – 129 people.

The organizational structure of the University includes 7 schools (medicine, dentistry, public health and biomedicine, pharmacy, nursing education, science, residency and professional development), an international medical faculty, a Physical health Center, a Center for Simulation and Educational Technologies, a Language Development Center and 15 departments.

The quality of education and scientific research is ensured by a high level of infrastructure - 7 academic buildings with classrooms equipped with interactive equipment, a library and publishing center with reading rooms and an electronic library hall, a center with high-tech simulators and mannequins, a research center and a laboratory for collective use, a research sanitary and hygienic laboratory, 6 dormitories, 57 clinical bases of the university and 9 clinical departments, a medical clinic University "KMU" NCJSC, Occupational Health Clinic, Dental clinic, Student Service Center, student sports and recreation camps.

In the field of medical education, science and practice, the university partners are medical universities and research centers of Kazakhstan, Russia, Belarus, Georgia, Tajikistan, Uzbekistan, Sweden, France, Italy, Japan, etc.: University of London St. George (UK), Lund University (Sweden), University of Milan (Italy), University Poitiers (France), University of Vilnius (Lithuania), Modern Institute of Hospital Management (India), Medical University of Plovdiv (Bulgaria), Aristotle University in Thessaloniki (Greece), Medical University of Lublin (Poland), Lahti University of Applied Sciences (Finland), International Medical University (Malaysia), University of Applied Sciences Jyväskylä (Finland), School of Medicine of the University of Zagreb (Croatia), Ataturk University (Turkey), Shimane University (Japan), University of Porto (Portugal), Center for Modern Medical Technologies "SoMeT" (Israel), Helios Clinic (Germany), Frankfurt am Oder Clinic (Germany).

The University actively participates in the implementation of international projects of the Erasmus+ program.

"KMU" NCJSC is included in the Directories of Avicenna Medical Schools of the World Health Organization and the World Federation of Medical Education. "KMU" NCJSC is a member of the Magna Charta of Universities (MCU), the Association for Medical Education in Europe (AMEE), the Association for the Study of Medical Education (ASME), the Association for Medical Education in

Asia (AMEA), the Organization for the Protection of PhD in Biomedicine and Healthcare in the European System (ORPHEUS), the Organization for University Mobility in Asia and The Pacific Region (UMAP), the International Association for the Development of Education (IADE), the European Association of Universities (EUA).

"KMU" NCJSC is the first medical university of the Republic of Kazakhstan, which successfully passed the certification of the quality management system in 2005 for compliance of educational, scientific and clinical activities with the requirements of the International Standard ISO 9001 series by the certification body NQA – UK (UK), NQA – Russia. In 2015, he was certified by the certification body SGS (Switzerland). In 2016, he was accredited in the field of healthcare for compliance with accreditation standards for medical organizations providing inpatient care with the assignment of the first category.

In 2019, "KMU" NCJSC passed the re-institutional accreditation of the university (IAAR), also in 2019, the institutional accreditation of additional education and the TVE level (IAAR) was passed.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

The educational program of the residency 7R01144 Emergency medicine for adults, children (primary accreditation) has not been accredited before.

(V) DESCRIPTION OF THE VEC VISIT

EEC's work at "KMU" NCJSC was carried out on the basis of the Visit Program of the expert commission on specialized accreditation of educational programs, in the period from May 24 to May 26, 2022. The program of the visit was strictly observed in accordance with the established time.

To obtain objective information about the quality of educational programs and the entire infrastructure of "KMU" NCJSC, to clarify the content of self-assessment reports, meetings were held: with the Acting Chairman of the Board-Rector and Vice-rectors, deans of schools and faculties, heads of departments, responsible accredited EP, teaching staff, students, employers, graduates. During the meeting, EEC experts asked questions about the processes described in the reports, as well as the implementation of programs, and received answers.

During the visual inspection of the university, on the first day, EEC visited the student service center, the Department of Academic Work, the canteen, the library and publishing center, the school of residency and professional development, the center for simulation and educational technologies. In addition to visual inspection and acquaintance with the objects, questions were asked in order to confirm and clarify the information from the report.

The second day of the visit began with a visit to the practice bases of the EP department: KGP "Regional ambulance station" Department of Health of the Karaganda region, n/a No. 5 - 7/2 Gapeev str., work was carried out with the documents of the department. During the visit to the clinical bases of the departments, experts observed residents, directly in practical work – carrying out various diagnostic procedures using medical equipment.

The members of the commission were provided with documents, both on electronic media and in paper form at the request of the expert.

After summing up the results and evaluating the parameters, the experts met again with the top management of "KMU" NCJSC, heads of structural divisions, the university staff to announce the results of the work and make recommendations for the further development of certain processes in accordance with the criteria of standards that will be submitted to the meeting of the Accreditation Council.

The work of the external expert commission was organized properly, the documents requested by the EEC members were provided by the university, collegial relations on the part of both experts and university staff were observed. The conditions for effective work were provided by the host party.

(VI) COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1 Standard "Mission and final results"

The evidentiary part

The mission of the ODA specialty 7R01144 "Emergency medicine for adults, children" is based on the quality policy of "KMU" NCJSC and the Development Program of the "Karaganda Medical University" non - commercial joint - stock company for 2019 - 2023 and is designed taking into account the needs of practical healthcare. It consists in the training of a qualified doctor-a specialist in emergency medicine, emergency medical care, air ambulance, with professional competencies, capable and ready for independent activity and the provision of qualified, specialized round-the-clock emergency medical care, with the use of high-tech services, medical supervision of patients (adults and children) in healthcare organizations.

The formation of the mission and goals, the implementation of the educational process are based on the objectives of the strategic plan of the Ministry of Education and Science of the Republic of Kazakhstan for 2017-2021, the Strategic Plan of the Ministry of Health of the Republic of Kazakhstan for 2017-2021, the State Program for the Development of Education and Science in the Republic of Kazakhstan for 2020-2025, the State Program for the Development of Healthcare of the Republic of Kazakhstan for 2020-2025, the Code of the Republic of Kazakhstan "On Health the people and the healthcare system", assuming the introduction of a new system of training medical personnel based on international standards, taking into account the priorities and features of the national health system of the republic, ensuring the competitiveness of specialists.

On 10/22/2021, the educational program "Emergency Medicine for Adults, children" was included in the register of the Unified Higher Education Management System (ESUVO) MES RK.

To disseminate the quality policy and the mission of postgraduate education (residency), the university has developed a set of measures to promote it, bring it to the teaching staff, students, the public, health authorities, residents and other interested persons. The heads of health authorities (employers) take part in the development and examination of the EP, where issues related to the mission are considered. The content of the documents is brought to the attention of the teaching staff at the cathedral meetings, to the attention of residents – at curatorial hours, round tables, meetings with the dean of the School of Residency and Professional Development, and is also posted on the information stands of departments and all structural divisions, the university website.

The mission and goals of the educational residency program "Emergency medicine for adults, children" were discussed at the meeting of the Senate of "KMU" NCJSC on 06/24/2021. Protocol No. 10. Prior to the approval by the Senate of the University, a meeting of the School of Residency and Professional Development was held to discuss proposals and recommendations on the most important aspects of the EP "Emergency medicine for adults, children", to which the heads and responsible educational programs of the university, heads of departments responsible for certain areas of work were invited. SR and PD solutions are mandatory for all structural divisions and are communicated to all interested departments by mailing by corporate mail.

When forming the mission and goal of the EP "Emergency medicine for adults, children", the available resources and requirements of the modern labor market were taken into account.

The information is available to employers, through the Job Fair to interns, through social networks. The educational program is posted on the link on the university's website and is available to the public.

Representatives of the healthcare sector get acquainted with the mission through the work of clinical mentors; representatives included in the Senate, in the SR and PD, through participation in the certification commission for the final certification of representatives of practical healthcare.

The mission and goals of the EP were formed taking into account the needs of the health of society and the system of medical care and are aimed at the professional orientation of the graduate of the residency as a highly professional specialist in demand in the healthcare system of the Republic of Kazakhstan.

The EP of the residency "Emergency medicine for adults, children" is compiled taking into account the requirements of the healthcare market, and its implementation will help to quickly fill the acute shortage of personnel, without which the rapid and successful development and reform of the ambulance service and the entire domestic healthcare is almost impossible.

To improve all areas of the university's activities, including the mission, the university has implemented a system for collecting and analyzing feedback from consumers. The monitoring involves the Department of Strategic Development and Quality Management, DAW, SR and PD, supervising Vice-rector. The results of feedback from students are taken into account when planning work for improvement. The discussion of the students' questionnaires is reflected in the Protocol No. 1 of the meeting of the department dated 27.08.2021. In general, the use of feedback is systematic and contributes to the introduction of changes in the educational program.

The results of the EP training are developed in accordance with the general professional and special competencies of the "KMU" NCJSC graduate, which are aimed at forming a future specialist. The final results of a graduate's education are consumer-oriented, determined taking into account the achievements of scientific and technological progress and international standards in higher medical education in order to ensure competitiveness in the labor market. The final results of the training are aimed at mastering clinical skills in the specialty, communication with patients and colleagues, the formation of professionalism, regulatory and legal literacy, the skill of scientific research, personal and professional growth throughout life.

The University's website contains full information about educational programs, criteria for selecting students for it in the section "Home" - "Education" - "Entrant" - "Training specialties/Admission Rules" - "Postgraduate study specialties (residency, Master's, doctoral studies" (<https://www.qmu.edu.kz/media/qmudoc/PravRez.pdf> .) IPR, information about teachers, UMKD, questionnaires, grades, percentages of academic performance, information about the scientific activities of the university are presented in AIS "Platon" (<https://platon.qmu.edu.kz>) in the "Journal" section, to which teachers have access, and students can see their grades in their personal accounts. The work of the electronic journal is monitored by the DAW. Information about scientific programs in which students can participate is posted on the University's website) (<https://qmu.edu.kz>) in the section "Science" - "Calendar of conferences".

Analytical part

The mission of the educational program in the specialty "Emergency medicine for adults, children" formulated and adopted at the university is based on the existing and prospective requirements of practical healthcare, society and the state.

The development of the EP goal was attended by residents who work daily at the OSSMP, an experienced clinical mentor who also knows the health needs of society; teaching staff who work directly in the EP specialty system and have certificates in the specialty, the vice-rector supervising the residency, the vice-rector for academic work of "KMU" NCJSC. The expert of the educational program is the director of the "OSSMP" UZ of the Karaganda region, who knows the needs of the emergency medical care system and, accordingly, other aspects of social responsibility.

Students have the opportunity to influence the formation of the mission, goals of the OP; representatives of residents are part of the collegial advisory bodies of the university: resident Temirzhanova A.G. and a representative of practical health care (Abilkasimov Z.E. - Director of the "OSSMP" UZ of the Karaganda region) are part of the School of Residency and Professional Development, residents are invited to meetings of departments.

The structure of stakeholders and the analysis of their participation in the formulation of the mission and the final results are presented in detail in the self-report in the form of a table, which reflects the type of contribution of the main stakeholders.

To date, there is an acute shortage of personnel potential for emergency medical care. In the specialty "Emergency medicine for adults, children", 3 residents are studying at "KMU" NCJSC in 2021-22 academic year, all 3 residents are studying under an educational grant from the MIO.

In general, according to the "Mission and final results" Standard:

- "KMU" NCJSC has a long history of existence (since 1950) with its own history of development and established traditions;

- The mission and content of the EP "Emergency medicine for adults, children" meet the requirements of the State Educational Standard, the qualification characteristics of specialists and are posted on the University's website;

- The mission and the final results of the residents' training have been identified and brought to the attention of all interested parties;

- The necessary conditions have been created for the implementation of the EP, as well as ensuring freedom of expression, freedom of publication;

At the same time, when meeting with residents, it was found out that none of them knew about this specialty, they entered and did not enter other specialties and they were asked to enroll in the newly opened specialty "Emergency medicine for adults, children".

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations:

To raise awareness of all interested parties, update information about the EP on a regular basis using social networks, printed materials, banners and other information opportunities. The deadline is 2022-2023.

EEC conclusions on the criteria of the "Mission and Final Results" standard

Satisfactory – 16;

Suggest improvements – 0;

Unsatisfactory – 0.

6.2. Standard "Educational program"

The evidentiary part.

Residency training in the specialty 7R01144 "Emergency medicine for adults, children" at KMU NCJSC is planned, organized and implemented in accordance with the State Standard of the Republic of Kazakhstan 2015. and the standard curriculum for medical specialties of the residency (Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 (with amendments and additions dated 02/21/2020)). The educational process is carried out in accordance with the Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 "On approval of the Rules for the organization of the educational process on credit technology of education" (with amendments and additions dated 12.10.2018), the Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16 "On approval of the Rules training of medical personnel in internship and

Rules of training of medical personnel in residency", as well as regulatory documents of "KMU" NCJSC: "Development program of "KMU" NCJSC for 2019 – 2023".

The procedures for approving educational programs at "KMU" NCJSC are carried out in accordance with the regulatory documents of the Ministry of Education and Science and the Ministry of Health of the Republic of Kazakhstan. The "KMU" NCJSC approved the Regulation on the organization of methodological work, which is part of the Academic Policy of "KMU" NCJSC (AP "KMU" NCJSC 5, version 1), which includes requirements for the development of OP and their methodological support. For unification, the requirements (forms) for the design of educational and methodological documentation have been developed and approved, presented on the corporate portal "KMU" NCJSC, SharePoint in the section University Forms, subsection Education, Residency Forms. The Regulation on the organization of methodological work presents the procedure for reviewing and approving the syllabus and the educational and methodological complex of disciplines. The educational program was approved by the Commission for Quality Assurance of the School of Residency and Professional Development (Chairman Zhusupova A.M.), Protocol No. 3 "05" May 2021.

The educational program was discussed by the Council of the School of Residency and Professional Development (Chairman V.B. Tashkent). Protocol No. 9 "19" May 2021, purpose, mission discussed at the meeting of the Senate "KMU" NCJSC 24.06.2021. Protocol No. 10.

The external evaluation of the educational program was carried out in the review of the educational program. The EP expert in the specialty of the residency "Emergency medicine for adults, children" is the director of the KGP "OSSMP" UZ in the Karaganda region, Abilkasimov Z.E. The EP was also discussed at the meeting of SR and PD (Dean of Tashkent V.B. protocol No. 9 of 19.05.2021), approved by the Decision of the Board of Directors (protocol No. 30 of 24.06.2021).

The duration of mastering the EP in the specialty 7R01144 "Emergency medicine for adults, children" is 3 years. Residency students who have completed their residency training and successfully passed the final certification (IA) are awarded the qualification of "Emergency Medicine Doctor – adult", "Emergency Medicine Doctor – child", "Emergency Medicine Doctor", "Air Ambulance Doctor" and are issued a state-issued document approved by the order of the Minister of Education and Science of the Republic of Kazakhstan from 28.01.2015 No. 39 "On approval of types and forms of State-issued Educational Documents and Rules for their Issuance".

The total number of credits for 3 years of study is 210 credits (6300 academic hours). In the academic year, one academic period is provided, ending with an intermediate certification (or final certification in the final year). Vacations are granted to students once during the academic year, the total duration of which is at least 7 weeks, with the exception of the final course. 1 academic credit is equal to 30 academic hours. Residency training includes classroom work, independent clinical work under the guidance of a clinical mentor and the actual independent work of the student (hereinafter referred to as SRO). The volume of classroom work is 10% of the volume of each discipline, independent clinical work under the guidance of a clinical mentor – 75%, SRO – 15%.

The ratio between cycles within the EP in the specialty "Emergency medicine for adults, children" is determined by the SSE 2015 standard. A total of 6,300 hours/210 credits were allocated, of which the mandatory component is 5880 hours/196 credits (ECTS). The component of choice is 240 hours/8 credits (ECTS) from the total volume of core disciplines. The intermediate certification is 120 hours/4 credits (ECTS), final certification – 60 hours / 2 credits (ECTS).

This training involves modular training. According to the SC in the specialty "Emergency medicine for adults, children", the module "Anesthesiology and resuscitation" consists of 870 hours / 29 credits (ECTS), the module "Emergency conditions in therapy" - 1080 hours / 36 credits (ECTS), the module "Emergency conditions in neurology and psychiatry" - 480 hours/ 16 credits (ECTS), module "Emergency conditions in obstetrics and gynecology" - 540 hours/18 credits (ECTS), module "Emergency medicine in pediatrics and neonatology" - 720 hours/24 credits (ECTS), module

"Emergency conditions in traumatology, orthopedics and accidents" - 660 hours/ 22 credits (ECTS), module "Emergency conditions in surgery in adults and children" - 570 hours/ 19 credits, module "Emergency conditions in infectious diseases in adults and children" - 420 hours/14 credits, module "Radiology and functional diagnostics" - 270 hours/9 credits, module "Emergency conditions in ophthalmology and otorhinolaryngology" - 270 hours / 9 credits.

In accordance with the SES specialty, standard curricula, the department has developed a working curriculum, discussed at a meeting of the department, the School of Residency and Professional Development, agreed with the DAW and approved by the supervising Vice-Rector for Clinical Work (minutes of the meeting of the Department No. 9 dated 04/23/2021; minutes No. 9 of the School of Residency and Professional Development dated 05/19/2021).

According to the Instruction Letter on the organization of residency training in the 2020-2021 academic year No. PR-44181 dated 08/27/2020, developed in accordance with the Code of the Republic of Kazakhstan "On the Health of the People and the Healthcare System", by Order of the Minister of National Economy of the Republic of Kazakhstan dated March 20, 2015 No. 239 "On approval of the Rules for the implementation of restrictive measures", By Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency" "KMU" NCJSC organized training of residents in the blended-learning format, with 90% being practical training on a clinical basis, 10% - theoretical training using distance learning technologies. At the same time, the load of clinical mentors is 75% in the form of independent work of a resident under the guidance of a mentor, the load of a teacher is 10%, independent work of a resident is 15% of the entire academic time. Residents of 1 year of study in the specialty "Emergency medicine adult, children" are trained at the place of employment – on the basis of the OSSMP of Karaganda.

Methods of teaching and learning within the framework of the EP, according to the Regulations on Residency, include both traditional (clinical analysis of thematic patients, solving situational problems, discussing issues on the topic of the lesson in accordance with the thematic plan) and active CBL teaching methods, working in small groups; research-based learning (RBL), project method. An important feature of the use of innovative educational technologies is its focus on creating a variety of forms and content of education for the development of students' giftedness. Active teaching methods are aimed at the formation and development of clinical thinking among residents, at finding information independently, the ability to work in a team and make decisions in the management of patients, at the development of initiative and creativity, teamwork and leadership qualities.

Within the framework of IWRT, residents independently go to call patients as part of the SMP and SAN teams. aviation, participate in clinical reviews and consultations together with clinical mentors, participate in the work of hospital reception departments, morning medical conferences, pathologic-anatomical conferences, as part of mobile teams of the SMP.

IWR includes, as an independent work at the OSSMP, the san service. aviation, reception departments of hospitals, and extraclinical activities aimed at the development of research and professional competencies of the resident. IWR includes the development of practical skills in the management of patients on calls, participation in conferences of OSSMP, hospitals, SAN services. aviation.

In the process of training residents in the specialty "Emergency medicine for adults, children" at "KMU" NCJSC, in order to increase the effectiveness of the mentoring system, in order to achieve professional competence, clinical mentors are actively involved in the work, whose activities are regulated by the "Residency Regulations" and the "Job Description of the clinical mentor".

A part-time person from practical healthcare / teaching staff of the department is appointed to the position of clinical mentor for no more than 0.5 rates, who has a higher medical education, as well as a medical category (in residency - first/ highest).

3 clinical mentors who meet the requirements of the university participate in the implementation of the educational program "Emergency medicine for adults, children".

Analytical part

The analysis showed that the content, volume and sequence of courses of the educational program of the residency in the specialty "Emergency medicine for adults, children", implemented by KMU NCJSC, correspond to the State Standard. In WC, EP, the logical sequence of mastering modules/disciplines that ensure the formation of competencies is displayed. The basis for achieving the objectives of training in the specialty is the acquisition by residents of the necessary knowledge and key competencies in the core disciplines of the main component and the component of choice. Clinical work of residents during training is conducted under the guidance of clinical mentors, teachers. When forming the EP in the specialty "Emergency medicine for adults, children", the following factors were taken into account: the contribution of each discipline to the formation of competencies at a certain level (course), i.e. the responsibility of both specialized disciplines and elective disciplines for the formation of a competent graduate, the definition of competencies in each discipline.

The teaching and learning methods used in the educational process are focused on the active and independent training of the resident, contributing to the formation of key competencies of the student. In order to improve the quality of the educational process in the residency at the Department of "SMP, AIR", feedback from residents of the 1st year of study is regularly studied. The study of feedback is carried out on the basis of a questionnaire. Questionnaire: "Teacher through the eyes of a student" - according to the module "Anesthesiology and resuscitation"; according to the modules: "Anesthesiology and resuscitation" and "Urgent conditions in therapy" - "Resident feedback questionnaire".

The EP adheres to the principles of continuity of competence development, a well-thought-out list of final learning outcomes. The training is conducted through mentoring, regular evaluation and feedback, residents are informed about their rights and obligations, obligations on ethics issues in the program. Various structural units are involved in the implementation of the EP in the residency, united by a common goal - the training of a highly qualified specialist.

The Department of Academic Work (DAW) carries out the planning, organization, provision, coordination and control of educational activities at the university.

In general, this Standard demonstrated the development of an EP taking into account the needs of the healthcare system and human resources, which contribute to the gradual deepening of professional training of residents under the guidance of a teacher and a clinical mentor. Regular evaluation and revision of programs with the participation of students, teaching staff and other interested parties.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

The strengths of this standard have not been identified.

EEC Recommendations:

There are no recommendations

EEC conclusions on criteria:

Satisfactory - 25

Suggest improvements – 0

Unsatisfactory – 0

6.3. The Standard "Residency Student Assessment Policy"

The evidentiary part

The policy and procedures for assessing the educational achievements of residents at "KMU" NCJSC are carried out in accordance with the set goals and objectives for the implementation of EP and assigned qualifications within the framework of the current rating system and control of the educational process, in accordance with the directive, regulatory and internal documents:

1. Law of the Republic of Kazakhstan dated July 27, 2007 No. 319-III "On Education" (with amendments and additions as of 07.07.2020)

2. Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan "On approval of state mandatory standards and standard professional training programs in medical and pharmaceutical specialties" dated July 31, 2015 No. 647 (with amendments and additions dated 02/21/2020) to the Standard professional training program in medical specialties of residency - in the specialty "Emergency medicine for adults, children".

3. Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 152 dated 20.04.2011 "On approval of the Rules for organizing the educational process on credit technology of education" (with amendments and additions dated 12.10.2018).

4. Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency"

5. Order of the Minister of Health of the Republic of Kazakhstan dated December 21, 2020 No. KR DSM-305/2020 "On approval of the nomenclature of specialties and specializations in the field of healthcare, nomenclature and qualification characteristics of positions of healthcare workers"

6. "Instructional letter on the organization of residency training in the 2020-2021 academic year" from No. PR-44181 dated 08/27/2020

7. "Regulations on residency "KMU" NCJSC", approved by the decision of the Board of 26.08.2019.

8. "Academic policy "KMU" NCJSC.

In order to determine the degree of mastering by residents of the EP according to the State Educational Standard 2015, focused on the final results of training and mastered competencies, ongoing monitoring of academic performance, intermediate and final certification are carried out in accordance with the "Regulations on residency "KMU" NCJSC.

With the current control of academic performance, students' academic achievements are evaluated on a 100-point scale and the final result of the current control of academic performance, i.e. the assessment of the admission rating (ORD) is determined by calculating the arithmetic mean sum of all grades received during the academic period.

Intermediate certification of residents in "KMU" NCJSC, is carried out in accordance with the WS, academic calendar. The frequency and timing of the interim certification are approved by the Chairman of the Board - Rector of "KMU" NCJSC. Intermediate certification of residents at "KMU" NCJSC is carried out in the form of a 3-stage examination in modules /disciplines: stage I – clinical examination (30% - certification of practical skills at the bedside), stage II - portfolio protection (40% - according to the evaluation sheet), stage III – written exam or computer testing (30% based on the evaluation criteria of the written exam). The written exam is conducted on the session.kgmu platform.kz with the verification of the resident's written response to the originality in the "Turnitin" system, as well as with the coding of the residents' works, ensuring the objectivity of the assessment. The materials of the interim and final control are reviewed by internal and external reviewers (representatives of practical healthcare). Grades for disciplines are placed in electronic statements in the Platonus Platonus system.

According to the Order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency" dated October 12, 2018, EP quality control is carried out in the form of final certification (hereinafter referred to as FC).

The content of the materials for control, the choice of the evaluation method is carried out in accordance with the learning outcome that needs to be evaluated. Reliability and validity of methods for assessing students' knowledge is carried out in the form of studying and analyzing the control and measurement fund (situational tasks, tests, etc.). All UMKDS undergo internal examination at the department, are annually reviewed and approved at a meeting of the department, the SR and PD Council, the Academic Council of "KMU" NCJSC. The department develops control and measuring tools to assess the knowledge, skills and abilities of residents in the discipline, including h standardized tests and advanced clinical tasks for the written exam.

The reliability of the assessment of residents' knowledge in all forms of control of residency students is ensured by the use of the Order of the Minister of Health of the Republic of Kazakhstan dated September 18, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency", "Regulations on residency "KMU" NCJSC, as well as the requirements of the "Regulations on the rating system for assessing the progress of students "KMU" NCJSC.

Methods of assessment of residents in the specialty "Emergency medicine adult, children" are being developed and are subject to discussion with external stakeholders. The materials of the final control are subject to review by the Faculty of the University and representatives of practical healthcare. The final certification of residents will be conducted within the framework of the independent examination of the NCNE RK.

External experts - doctors of practical health care are involved to assess the UMKD: heads of substations, senior shift doctors, visiting doctors. External experts are doctors of the first and highest medical category.

According to the "Academic Policy" of "KMU" NCJSC, electronic (Platonus - <http://platon.kgmu.kz/>) educational magazine, portfolio.

At "KMU" NCJSC, the registration of the entire history of educational achievements of residents is handled by the DAW, the purpose of which is the organization, planning, provision and control of educational activities of "KMU" NCJSC.

Responsibility for the formation of the portfolio is assigned to the student, and control is assigned to the clinical mentor. The portfolio is formed during the entire period of study, starting from the first year. The portfolio, in addition to the personal data of the resident, contains a list of individual achievements: assessment of the level of development and formation of practical skills in the context of courses; a list of additional educational and/ or medical programs mastered by residents; research and clinical work of the student; information about achievements during the training period. The portfolio of residents is evaluated according to the checklist on a 100-point system.

To ensure that residents are informed about the requirements and rules of assessment based on the portal of the collective (<https://portal.kgmu.kz/>) and student use of SharePoint (<https://kgmukz.sharepoint.com/>) in the section "General documents", "UMKD" and "Educational process" there are regulatory documents related to the educational process: UMKD, syllabuses, QED, class schedule, etc.

After passing each discipline, a survey of residents is conducted.

Analytical part

"KMU" NCJSC has formulated and implemented a resident assessment policy, defined, established and published principles, goals, methods for assessing residents, which are presented in the internal documents of the University.

Monitoring and evaluation of educational achievements of residents is carried out in the form of current, boundary, intermediate and final control in the studied disciplines. A credit system of training is used, which provides for a differentiated point-rating assessment of knowledge on a 100-point scale, an appeal procedure is functioning in case of disagreement with the exam results. Feedback to residents is provided with free access to the AIS "Platonus", where the results of the assessment of residents are reflected. The forms, methods and quantity of all types of control are reflected in the syllabuses of the disciplines.

According to the quality assessment of the CIS, all control and measuring instruments in the disciplines are reviewed by practical healthcare and specialists of related departments. All test questions go through the anti-plagiarism procedure in Turnitin.

"KMU" NCJSC has established a procedure for documenting, studying evaluation methods, analyzing their reliability and validity during the internal audit of quality management system units. External experts - doctors of practical healthcare of the first and highest medical category are involved in the assessment of UMKD.

In the formation and implementation of new assessment methods, responsibility is distributed between the department and the School Council. In addition, students have a real opportunity to participate in the introduction of new assessment methods during the direct discussion of the approval of the latter at the School Board level. Resident students are involved in the composition of the School Board. The work of the School Council is attended by teaching staff of the departments of "KMU" NCJSC, as well as internal resident stakeholders. The department annually analyzes the results achieved in the training of residents in various types of activities: clinical, scientific, semi-annual and final state certification. The results obtained are covered in the cathedral protocols, annual reports of the department. In connection with the achieved results, the department annually reviews the goals in the training of residents, taking into account the wishes of stakeholders.

The university has a procedure for documenting, studying evaluation methods, analyzing their reliability and validity, but when experts met with DAW, it was found out that the review of the database of test tasks is carried out within the departments by teachers, there is no independent examination of the database of test tasks, the analysis of the validity of the CIS is carried out on a small number of students.

At the same time, attention should be paid to the optimization of the CIS validation system in the specialty. The algorithm of the CIS validation procedure should be more unified and unambiguously interpreted. In addition, taking into account the limited number of resident students, and therefore the possibilities of internal validation of CIS, external experts should be more widely involved in the validation of CIS. The expert opinions of the departments on the results of the audit of the CIS database indicate the compliance of the CIS with the content of the Syllabus, but their validity is not reflected. The procedure of independent examination of the database of test tasks is recommended.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

Implementation of automation of student assessment with the help of its own proprietary program developed at the university session.kgmu.kz .

EEC Recommendations:

To unify and improve the reliability of the procedure for documenting the validity of methods and formats for evaluating the achievement of final results. The deadline is the beginning of 2023-2024.

EEC conclusions on the criteria of the "Assessment of Residents" standard

Strong - 1

Satisfactory – 9;

Suggest improvements – 0;

Unsatisfactory – 0.

6.4. The standard "Residency Trainees"**The evidentiary part**

At "KMU" NCJSC, the procedure for admitting citizens to residency is established by Order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency" dated October 12, 2018, by Order of the Minister of Education and Science of the Republic of Kazakhstan dated 10/31/2018 No. 600 "On approval of standard rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education" (with amendments and additions as of 08.06.2020). At "KMU" NCJSC, admission of students to the residency is carried out on the basis of the approved document "Admission Policy of students to "KMU" NCJSC, which is reviewed annually.

On the basis of the current Law of the Republic of Kazakhstan "On Education", Order of the Ministry of Health of the Republic of Kazakhstan dated October 12, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency", Order of the Minister of Education and Science of the Republic of Kazakhstan dated 31.10.2018. No. 600 "On approval of the standard rules for admission to study in educational organizations implementing educational programs of higher and postgraduate education" (with amendments and additions as of 08.06.2020), "Admission policies of students "KMU" NCJSC admission of persons to educational residency programs is carried out by placing an educational grant at the expense of the republican budget or local the budget, as well as tuition fees at the expense of citizens' own funds and other sources.

The procedure for admission of citizens to the residency corresponds to the Standard Rules for admission to educational organizations implementing educational programs of higher and postgraduate education", approved by Order of the Minister of Education and Science of the Republic of Kazakhstan dated 31.10.2018 No. 600, "Rules for training medical personnel in residency", approved by Order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-16 dated 18.09.2018", "Academic policy "KMU" NCJSC. Admission of residents to "KMU" NCJSC is carried out according to the "Admission Policy of students "KMU" NCJSC.

Persons who have mastered the educational programs of higher education and internships are accepted to the residency. Admission of persons entering "KMU" NCJSC for educational programs in residency is carried out according to their applications on a competitive basis based on the results of the entrance exam. In the first year, 3 residents are studying in the specialty "Emergency medicine for adults, children", they were enrolled under the state educational order at the expense of the local budget of the Karaganda region (MIO): in the 2021-2022 academic year – 5 people. 2 residents were expelled on the basis of personal statements of residents.

The criteria for applicants entering the residency program in the specialty "Emergency medicine for adults, children" are determined in accordance with the requirements of the State Educational Standard of the Republic of Kazakhstan-2015, the current Law of the Republic of Kazakhstan "On Education" "Rules for training medical personnel in residency", approved by the Order of the Ministry of Health of the Republic of Kazakhstan No. KR DSM-16 dated 18.09.2018, "Standard rules for admission to training in educational organizations implementing educational programs of higher and

postgraduate education", approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated 31.10.2018 No. 600.

In the 2021-2022 academic year, according to the "Admission Policy of students to KMU NCJSC, the result of the entrance exam was calculated from three parameters: GPA (by transcript) – 30%; The result of independent examination - 30%; Assessment of the objective structured clinical exam (OCE) - 40%. The OCE was conducted for emergency conditions, at five stations: "Emergency care for anaphylactic shock", "Reception and management of physiological childbirth", "Cardiopulmonary resuscitation", "Emergency care for injuries", "Emergency care for ACS".

In the 2020-2021 academic year, in accordance with the "Policy of admission of students to "KMU" NCJSC (approved by the decision of the Senate on 27.08.2020, ave.1.), the entrance exam was conducted in the form of an assessment of the candidate's portfolio, including: 1) GPA score for the previous period of study according to the submitted diploma supplement; 2) Documented results of the first stage of independent examination or comprehensive testing (for graduates of previous years); 3) Documented results of the second stage of the independent examination (practical skills) or the results of the practical examination for the assignment of a qualification category (for graduates of previous years who did not pass the second stage of the independent examination). The results of the entrance exams are announced on the day of the exam. Persons with an entrance score of at least 50 are allowed to study at the residency. Persons who have scored the highest entrance points, but not less than 75, are enrolled for training under the state educational order on a competitive basis. In the case of identical indicators of competitive points, the persons who have the highest score in the profile of the group of the educational program receive the preferential right to enroll in the residency.

According to the Law of the Republic of Kazakhstan "On Education"; Order of the Ministry of Health of the Republic of Kazakhstan dated October 12, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency", Order of the Minister of Education and Science of the Republic of Kazakhstan dated 31.10.2018. No. 600 "On approval of the standard rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education" (with amendments and additions as of 08.06.2020), "Regulations on residency "KMU" NCJSC defines the procedure and organization of training specialists in residency in the context of clinical specialties at clinical departments of the university, as well as the order of payment for academic loads of university teaching staff.

Analytical part

The number of accepted residency trainees corresponds to the possibilities of clinical and practical training, the maximum permissible load on managers, as well as the logistical capabilities of the organization.

Residents are constantly supported in professional orientation and career planning by both group curators and clinical mentors. Residents are registered in the IIA and were able to demonstrate their practical skills.

The university adheres to the requirements of EP, syllabuses on disciplines, the content of which reflects the forms and methods of control of students' knowledge. Control and measuring tools for assessing the knowledge of residents are developed by departments in the form of questions, tests, solving situational problems. Practical skills are tested on a clinical basis during the curation of patients, using the OCE method in a simulation center equipped with a sufficient number of mannequins and simulators. At the end of the academic year, the residency student is certified for the implementation of an individual work plan and the development of step-by-step competencies.

Informatization of the educational process is carried out through the AIS "Platonus" system and allows students to remotely access educational and methodological materials, control and measuring tools, lesson schedules, and make a choice of elective disciplines.

Thus, admission to the residency is carried out on the basis of clearly developed criteria that are accessible and transparent to applicants with a description of the training conditions, goals and final results of the EP, as well as future employment opportunities. There are approved methods of current and final monitoring of training, conducting questionnaires regarding EP disciplines and the opportunity for residents to give their independent assessment and feedback on the educational program, which contributes to increasing the attractiveness of the EP, taking into account feedback from stakeholders. The possibility of forming an individual learning trajectory and the formation of additional competencies within the EP and the "Resident Portfolio", which reflects the individual achievements of the student. But there is no self-government body among the residents. Residents should be encouraged to participate in activities that promote better and thorough monitoring of learning and participation in public life. It is recommended to create an association as a self-governing body of residents.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations:

1. The management of the university to create a self-governing body of residents. Deadlines: from January 1, 2023.

EEC conclusions on the criteria of the standard "Residents" EP "Emergency medicine for adults, children"

Satisfactory – 17;

Suggest improvements – 0;

Unsatisfactory – 0.

6.5. The "Teachers" Standard

The evidentiary part

Recruitment, promotion, incentives, dismissals, familiarization of personnel with rights and obligations are carried out in accordance with the Labor Code of the Republic of Kazakhstan. Admission to teaching positions at the university is carried out in accordance with the Rules of admission of employees for employment at "KMU" NCJSC (KP KMU NCJSC 12/4), the Rules of competitive replacement of vacant positions of heads of structural divisions, heads of departments, teaching staff, researchers and employees of the internal audit service of "KMU" NCJSC (KP KMU NCJSC 12/8). Every year, the university holds a competition among the teaching staff to fill positions with the participation of newly accepted and teachers declared for higher vacant positions. The normative documents establishing the guarantee of labor rights and freedoms of employees, the creation of favorable working conditions for them, are collective and labor contracts, Rules of labor (internal) regulations. In accordance with the requirements of the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated July 13, 2009 No. 338 (with amendments and additions as of 03/31/2022) "On approval of standard qualification characteristics of positions of teaching staff and persons equated to them", when hiring for the replacement of teaching positions, candidates' compliance with qualification requirements is mandatory.

The policy of the personnel base of "KMU" NCJSC is reflected in the documents "Rules of labor (internal) regulations of "KMU" NCJSC (PP KMU NCJSC 1/1 dated August 26, 2019 No. 8 and the Charter of the organization), Personnel Policy ("KMU" NCJSC" dated July 08, 2019), which

describes the priorities for the formation of human resources and criteria for the selection of personnel, including scientific, pedagogical and clinical merits of applicants.

Based on the "Regulations on Residency "KMU" NCJSC (PP "KMU" NCJSC 4-4), residency training is carried out under the guidance of a teaching staff and a clinical mentor. The heads of the EP residency are appointed by the order of the Chairman of the Board – Rector on the basis of the decision of the Council of the School of Residency and Professional Development. For the effective development of practical competencies by residents, clinical mentors, with the first and highest category, from among experienced field doctors of the SMP, senior shift doctors or heads of substations are involved in work at the clinical base.

The requirements for staffing, the educational process of the residency are determined by the qualification requirements for educational activities during licensing. According to the GOSO-2015 residency in specialties, which was approved and put into effect by the Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 (with amendments and additions dated 02/21/2020), training sessions in the residency can be conducted by persons with an academic degree of doctor or candidate of sciences, an academic degree of doctor PhD, as well as doctors of the first and highest category.

Teachers preparing residents for the EP "Emergency medicine for adults, children" took part in scientific research carried out both within the framework of scientific and technical programs (STP) and proactively. Teachers of the department participated in the scientific and technical research: "Development of models of innovative technology for the development of medical organizations serving the rural population of the Republic of Kazakhstan", "Screening clinical and epidemiological study and primary prevention of cerebral strokes at the level of primary health care of the population of the Karaganda region"; "Ways to improve the diagnosis, optimization of prevention and treatment of socially significant diseases of the adult population", "Improving the technology of diagnosis and emergency care for diseases of the circulatory system at the pre-hospital stage".

The results of the research work of the teaching staff are presented in the form of publications at scientific and practical conferences in the Republic of Kazakhstan and abroad.

Employees of the Department of SMP, AI R "KMU" NCJSC have publications in foreign and domestic scientific, including indexed publications. The range of scientific research includes a number of both applied and fundamental studies. In the 2016-2021 academic year, the department published the results of scientific papers in peer-reviewed publications: the data are presented in Table 5, including the reflection of the materials of the work in peer-reviewed publications: Scopus, Clarivate Analytics, Thomson Reuters - 1.

The teaching staff is formed based on the needs for the effective implementation of educational programs, as well as based on the total amount of academic load. The norms of time by types of academic work are approved in accordance with the State Standard of the Republic of Kazakhstan-2015 "Education system of the Republic of Kazakhstan. Academic work and teaching load".

According to the "Regulations on remuneration of "KMU" NCJSC (PP KMU NCJSC 27) dated 22.01.2020, the procedure for organizing the Remuneration System in "KMU" NCJSC is regulated. Also, the order of the staff schedule of teaching staff, the teaching load is approved annually at a meeting of the University Senate.

In accordance with the Order of the Ministry of Health of the Republic of Kazakhstan No. 628 dated 11.09.2012 "On approval of the Regulations on clinical bases of medical educational organizations", teachers teaching residents are practicing specialists. Based on their job responsibilities, teachers carry out clinical work (consultations, rounds, curation of patients) at clinical bases: KGP "OSSMP" UZ of Karaganda region.

Quantitative and qualitative indicators of the teaching staff for residents in the specialty "Emergency medicine adult, children" are presented in the table:

№	Full name	Academic degree /title	Post	Work experience, years		Experience in "KMU" NCJSC
				general	pedagogical	
1	Alpysova A.R.	c.m.s., docent	professor	38	22	32
2	Vasiliev D.V.	c.m.s.	head of the department	21	18	18

Teaching staff of the department have passed the improvement of pedagogical qualifications. According to the results of the department's activities, one-time bonuses of teaching staff are assigned for the year. Various types of non-material incentives are also used at the University: declaration of gratitude; awarding with a certificate of honor; presentation to titles, medals and badges of the Ministry of Health of the Republic of Kazakhstan and the Ministry of Education and Science of the Republic of Kazakhstan. The promotion of university teaching staff is based on the principles of legality, publicity.

Analytical part

The personnel policy of "KMU" NCJSC allows creating a learning environment for the formation of professional competence and comprehensive personal development, providing training of competitive specialists based on the achievements of medical education, science and practice, able to continue lifelong learning and adapt to changing conditions in the healthcare system; having an active civic position, meeting the needs and expectations of society, states.

Teachers, conducting scientific research, actively involve students in research, transfer scientific and practical experience to residents, young specialists.

The qualification of the teaching staff of the department, conducting classes in residency, corresponds to the level of their positions and ensures the implementation of educational programs. The qualification of the teaching staff is confirmed by the corresponding academic degree, academic title, work experience, the presence of a qualification category of a specialist and the trust of colleagues.

In the 2021-2022 academic year, residents in the specialty "Emergency medicine for adults, children" are taught by teaching staff of the Department of Emergency Medicine, Anesthesiology and Resuscitation (2 candidates of medical Sciences, 3 clinical mentors).

According to the EP mission, the teaching staff of the department participate in the training of emergency medicine doctors with in-depth clinical training who are able to provide qualified primary medical care to patients in accordance with modern principles of evidence-based medicine.

According to the results of the questionnaire to the question -assess how much you agree on the following points, respondents answered with full consent to the following statements: - the teacher uses effective teaching methods – 81.4%, owns the taught material – 81.4%, presents the material in an interesting form – 83.7%, and the teacher's presentation is clear- 83.7%, the material is relevant and reflects the latest achievement of science and practice - 79.1%.

The university organizes and conducts courses on the study of Kazakh and English languages for employees and teachers in accordance with the plan to improve the language competence of teaching staff and administrative and managerial staff. The training is conducted at various levels, preparation is underway for the IELTS and KAZTEST certified language exam. Teachers of the department have these certificates.

Teachers and residents are provided with opportunities to use information and communication technologies for self-study, access to information, patient management and work in the healthcare system, as well as training in evidence-based medicine and preparation for continuing medical education and professional development.

Due to the equipment of each department with computers, laptops, office equipment and other technical means of training, each university teacher has the opportunity to independently access information, the Internet. There is no mobility of the teaching staff. There are no procedures for evaluating the activities of clinical mentors.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations:

- To evaluate the activities of clinical mentors, introduce a questionnaire procedure for residents. The deadline is September 1, 2022.

- Develop and implement an academic mobility plan for teachers involved in the implementation of the EP. The deadline is the beginning of the 2022-2023 academic year.

EEC conclusions on the criteria of the "Teachers" standard:

Strong - 0

Satisfactory - 5

Suggest improvement - 0

Unsatisfactory – 0

6.6. Standard "Educational resources"

The evidence-based part

"KMU" NCJSC has sufficient material and technical base, information resources, educational and information technologies, resources for clinical training of residents and for conducting scientific research.

The main bases of the department are based in the KGP "OSSMP" UZ of the Karaganda region in substations №1, №2, №3, №4, №5 Karaganda; Temirtau substation; Shakhtinsk substation; Saran substation; Abai substation. (table 14).

To organize the educational process on the basis of the KGP "OSSMP" of the Karaganda region in substation No. 5, the department has a lecture hall for 50 seats (40 m²), classrooms and a laboratory room (32.2 m²), there are also study rooms (23.1 m²) at substation No. 5 in Karaganda and (15.1 m²) at the substation G.Temirtau. The premises meet sanitary and hygienic standards, fire safety. There are no auxiliary rooms.

The policy of "KMU" NCJSC is aimed at the evaluation and effective use of information and communication technologies in the training program. Information technologies have been introduced into the educational process of the university (for the development of work programs and UMKD, teachers use the information resources of the library and publishing center, TSOT (electronic textbooks, discs with films and illustrations, electronic manuals, simulators and dummies with software), interdepartmental laboratories, the center for evidence-based medicine, research center, as well as educational Internet resources).

All teaching staff and residents have access to their own and other necessary web resources and electronic media.

Information and library services for university residents are provided by the library, where a significant fund of scientific, educational and methodical literature and periodicals on all cycles of the studied disciplines is collected.

The provision of general education, basic and profile disciplines with literature on electronic media has changed in dynamics over 3 years: 2019 - 99,4%, 2020 – 99,5%. In 2021, the provision of users with educational, methodological and scientific literature in electronic form is 99.5%.

Today, students and teachers have access to full-text databases.

Conducting research work by residents allows you to consolidate the theoretical knowledge, practical skills and use their creative potential for further solving urgent health problems. The management of research activities is carried out by the faculty of the department. The research work of residents is included in the educational process and is carried out during extracurricular time in the form of IWR.

Analytical part

The University has provided every department, including clinical departments, with Internet access. This guarantees access to new achievements of science and practice, new legislative acts, clinical protocols, through the specified addresses, websites, links of the necessary sources. Students are provided with the names of the websites of the Ministry of Health of the Republic of Kazakhstan, the Republican Center for Health Development of the Ministry of Health of the Republic of Kazakhstan, where the necessary information is available. Students have the opportunity to use all information resources to increase the level of training and expand information competence.

The number and composition of teaching staff is planned based on the needs of the educational process, the normative academic load per full-time teacher and the contingent of students. In the learning process, students use existing and new information and communication technologies for independent learning. There is access to relevant patient data and health information systems.

Residents use existing and new information and communication technologies for self-study. It should be noted that there is a well-equipped Center of simulation and educational technologies for the development of clinical / practical skills by students, a sufficient number of clinical bases of various levels of medical care, continuous improvement of the material and technical and educational and information bases of the university.

During the training, residents acquire knowledge and skills on the use of existing information systems in healthcare. The material and technical base is constantly being expanded and updated with modern equipment for the implementation of the EP residency. Rational management of the library's educational and scientific literature fund, electronic library resources is carried out, access to international full-text electronic databases is provided, computer classes, Internet, corporate mail, residents' access to the health information system, the availability of a counseling system, sufficient funding for educational programs.

Due to the fact that only first-year residents are currently studying, academic mobility is not planned, and there are no publications.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

1. To activate the research work and publication activity of teaching staff and residency students, to increase the number of teaching staff and residents participating in medical/scientific research and their publications. Due date: 2023

2. The University should take measures for regional and international exchange of teachers and residents, expand the possibility of studying in alternative institutions both within the country and outside the Republic of Kazakhstan. Due date: 2023-2024.

3. Develop and implement a plan for 3 years of academic mobility of residents and teachers participating in the implementation of the EP residency. Due date: 2022-2023.

EEC conclusions on the criteria of the standard "Educational Resources":

Strengths – 0

Satisfactory - 9

Suggest improvements – 2

Unsatisfactory – 0

6.7. The standard "Evaluation of the educational program"

The evidentiary part

The evaluation of the EP is carried out in accordance with the regulations on the Academic Policy of "KMU" NCJSC. The EP monitoring and evaluation system in the specialty "Emergency medicine for adults, children" covers all aspects of the organization, implementation and evaluation of the EP: collecting information, developing, approving the EP, organizing and conducting the educational process, achieving the final results of training residents, through peer review by employers, through the approval of the QED, analysis of the results of external and internal audit of educational programs and educational process at the university, analysis of feedback data from all participants of the educational process and interested parties.

At the university, monitoring of the implementation of the EP is carried out within the framework of intra-university control during the audit of all types of activities of teaching staff and students, evaluation of quality assurance commissions, through peer review by external and internal experts, through the quality of the educational program itself.

Monthly meetings of the department discuss the results of monitoring the educational process, the implementation of the curriculum, the results of quality control of the educational process.

Monitoring of academic performance and attendance is carried out by the departments according to the schedule of classes, with data recorded in the journal; in the absence of students or their debts, SR and PD are informed every 25th day of the month.

In order to control and improve the quality of the EP ,:

1. internal quality assessment procedures (internal audit);
2. Results of PA, IA, survey of students and graduates, feedback from employers, feedback from patients.
3. external quality assessment procedures: accreditation in accordance with the documented procedure "Organization of preparation for institutional and specialized accreditation in "KMU" NCJSC and other external inspections by authorized bodies.

The Quality Assurance Commission carries out an internal audit of the educational program at least once every 3 years.

In accordance with the "Regulations on the management of the educational program" of "KMU" NCJSC (Board decision 09.09.2020, ave.14), the quality of the EP is ensured by the participants in its implementation: the Dean of SR and PD, the Head of the EP, module coordinators responsible for discipline, heads of departments, teachers. The quality assessment at the level of the educational program is provided by the Quality Assurance Commission to the Regulation on the management of the educational program "KMU" NCJSC Regulation on the Quality Assurance Commission in "KMU" NCJSC. Ensuring quality assessment at the institutional level is provided by the Department of Strategic Development and Quality Management. In order to control and improve the quality of the EP,: 1. internal quality assessment procedures (internal audit); 2. external quality assessment procedures: accreditation in accordance with the documented procedure "Organization of preparation

for institutional and specialized accreditation in "KMU" NCJSC (in the Academic Policy of "KMU" NCJSC) and other external inspections by authorized bodies.

According to the Order of the Ministry of Health of the Republic of Kazakhstan dated October 12, 2018 No. KR DSM-16 "On approval of the Rules for training medical personnel in internship and the Rules for training medical personnel in residency", "Academic Policy "KMU" NCJSC quality control of EP is carried out in the form of final certification. Intermediate and final attestation is carried out in the form of a comprehensive exam with the involvement of external examiners, which allows you to objectively assess the achievements of EP training results. The results of the independent examination of the NCNE are discussed annually at a meeting of the department, the SR and PD Council, the Senate and determine the need to improve the EP. There was no graduation in the specialty "Emergency medicine for adults, children".

Analytical part

The evaluation of the EP carried out at "KMU" NCJSC covers all aspects of the organization and implementation of the EP. Assessment of the EP in the specialty "Emergency medicine for adults, children" is carried out according to the intra-university system of quality control of education and involvement of residents and employers in the evaluation of the university's activities. A dynamic assessment of clinical bases is carried out.

EP improvement is carried out through feedback from residents, stakeholders. The evaluation of educational programs is carried out taking into account the admission policy, the needs of the healthcare system, the process of implementing the educational program, evaluation methods, identified problems and shortcomings.

The transparency of the evaluation of curricula at all stages of the learning process is ensured: AIS "Platon" allows you to actively monitor the progress of residents and the activities of teaching staff. All participants of interested parties have access to the study of the EP in the specialty "Emergency medicine for adults, children" and its components, to get acquainted with educational resources and material and technical equipment of clinical bases for training.

All interested parties - teachers, residents, employers - participate in the evaluation of educational programs using the feedback tool. The results of feedback from stakeholders on educational programs are regularly analyzed. The University monitors qualified specialists through feedback from employers about the clinical practice of qualified specialists. The procedure for evaluating educational programs is carried out both at the department level and at the university level as a whole - discussion of the results of the independent examination, analysis of feedback from residents, graduates and employers.

Educational programs are approved by the authorized body on the basis of the established criteria for evaluating the educational program. Agreements on practical training of residents have been concluded with clinical bases. All educational programs undergo an independent examination procedure and are included in the Register of Educational Programs of the Ministry of Education and Science of the Republic of Kazakhstan.

The results of the evaluation of educational programs are used to improve them. Transparency of the evaluation process and results is ensured for all stakeholders. Teachers, residents, and employers are provided with access to the evaluation results of educational programs. Close cooperation with employers (practical healthcare) in terms of improving educational programs is demonstrated.

EEC IAAR, based on meetings, conversations and interviews of vice-rectors in areas of activity, heads of departments, heads of structural divisions, faculty, employers, notes the proper organization of monitoring and evaluation of educational programs with the participation of all interested parties – teachers, residents, employers. However, syllabuses are approved only at the department level, by the head of the EP. In the syllabus, a table indicating the comparability of the results of EP training and discipline needs to be finalized, one discipline cannot achieve all the RO EP.

Quantitative indicators reflecting the organization's compliance with the criteria of the standard.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations:

1. Develop a procedure for monitoring the quality of the development and approval of EP syllabuses. The deadline is the beginning of 2023.
2. Ensure compliance in syllabuses with the comparability of RO EP with RO disciplines. The deadline is the beginning of 2023.

EEC conclusions on the criteria of the standard "Evaluation of Educational Programs":

Strong - 0

Satisfactory - 2

Suggest improvement - 2

Unsatisfactory – 0

6.8. Management and Administration Standard

The evidentiary part

The university has developed and is implementing a University Development Program for 2019-2023, focused on continuous improvement of all types of university activities. The strategic development plan of the University provides for a continuous assessment of the quality system of the university's activities through a systematic analysis of the QMS, monitoring feedback to determine the degree of customer satisfaction.

The Chairman of the Management Board - the Rector of the University determines the development strategy of the University and acts in accordance with the duties defined by the legislation of the Republic of Kazakhstan. The Vice-Rector for Academic Affairs determines the goals and strategy for the development of the university's educational activities, ensures the quality and efficiency of the university's activities in order to ensure the training of highly qualified specialists, the organization and control of the educational, methodological, social and educational work of the University, the effectiveness of the work of structural units.

The Vice-Rector for Strategic Development and Science determines the development strategy of all types of university activities, ensures the organization, control, further development of the university in accordance with the requirements of modern society, the needs of healthcare, science, innovation and international cooperation.

The Vice-Rector for Clinical Work determines the goals and strategy for the development of effective clinical activities of teaching staff of clinical departments, takes measures to develop the clinical base of the University, ensuring the quality of clinical training of specialists of pre-graduate and postgraduate education.

The EP residency programs are directly managed by the School of Residency and Professional Development. The residency School is an educational, scientific, methodological, administrative and educational unit of "KMU" NCJSC, which implements educational programs of higher professional education.

The residency school and departments involved in the training of residents in the specialty "Emergency medicine for adults, children" are clearly focused on the final result, are characterized by a high level of responsibility, the ability to manage tasks, solve problems, and the ability to motivate residents to effective training.

The Rector and Executive Director of "KMU" NCJSC directly manages the activities of the structural units involved in the annual business planning and in the distribution of finances for the purpose of material and technical support of the educational residency program. The resource provision of the educational program 7R01144 "Emergency medicine for adults, children", including the target budget for training, is carried out by the Department of Economics and Finance, which in turn oversees the activities of the Public Procurement Department, the Department of Economics and Finance. The resources for the provision of ODA are funded under the program "Training of specialists with higher, postgraduate education and providing social support to students (training of specialists with higher medical and pharmaceutical education)".

Analytical part

The educational program of the residency is implemented in accordance with regulatory documents in the field of healthcare, which ensures the improvement of competence and achievement of the final results of training in the specialty "Emergency medicine for adults, children". The academic leadership structure ensures the quality and efficiency of the university's activities in order to ensure the training of students in residency. The university management and teachers are jointly and severally responsible for the quality of the educational program.

It is necessary to note the improvement of the quality of training in the residency based on regular monitoring of the implementation of the Educational program in the specialty "Emergency medicine for adults, children", the stable financial condition of JSC "KMU" NCJSC, the availability of funding from the M&E, regular analysis of the results of feedback from interested parties (students, teaching staff, employers, graduates, etc.) in order to improving the quality of training in residency.

Strengths/Best practices

According to this standard, no strengths have been identified.

EEC Recommendations

There are no recommendations for this standard.

EEC conclusions by criteria:

strong – 0;

satisfactory – 5;

suggest improvements – 0;

unsatisfactory – 0.

(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD

The standard "Mission and Final Results"

According to this standard, no strengths have been identified.

The standard "Educational program"

According to this standard, strengths have not been identified.

The standard "Residency Student Assessment Policy"

1. Introduction of automation of student assessment with the help of its own proprietary program developed at the university session.kgmu.kz .

The standard "Residency trainees"

According to this standard, no strengths have been identified.

The standard "Teachers"

According to this standard, no strengths have been identified.

The standard "Educational resources"

According to this standard, no strengths have been identified.

The standard "Evaluation of educational programs"

According to this standard, no strengths have been identified.

The standard "Management and Administration"

According to this standard, no strengths have been identified.

(VIII) OVERVIEW RECOMMENDATIONS FOR QUALITY IMPROVEMENT FOR EACH STANDARD

The standard "Mission and Final Results"

1. To raise awareness of all stakeholders, update information about the EP on a regular basis using social networks, printed materials, banners and other information opportunities. The deadline is 2022-2023.

The standard "Educational program"

has no recommendations for this standard.

The standard "Residency Student Assessment Policy"

To unify and improve the reliability of the procedure for documenting the validity of methods and formats for evaluating the achievement of final results. The deadline is the beginning of 2023-2024.

The standard "Residency trainees"

The management of the university to create a self-governing body of residents. Deadlines: from January 1, 2023.

The standard "Teachers"

1. To evaluate the activities of clinical mentors, introduce a questionnaire procedure for residents. The deadline is September 1, 2022.

2. Develop and implement an academic mobility plan for teachers involved in the implementation of the EP. The deadline is the beginning of the 2022-2023 academic year.

The standard "Educational resources"

1. To activate the research work and publication activity of teaching staff and students of the residency, to increase the number of teaching staff and residents participating in medical/scientific research and their publications. Due date: 2023.

2. The University should take measures for regional and international exchange of teachers and residents, expand the possibility of studying in alternative institutions both within the country and outside the Republic of Kazakhstan. Due date: 2023-2024.

3. Develop and implement a plan for 3 years of academic mobility of residents and teachers participating in the implementation of the EP residency. Due date: 2022-2023.

The standard "Evaluation of educational programs"

1. Develop a procedure for monitoring the quality of the development and approval of EP syllabuses. The deadline is the beginning of 2023.

2. Ensure compliance in syllabuses with the comparability of RO EP with RO disciplines. The deadline is the beginning of 2023.

The standard "Management and Administration"

There are no recommendations for this standard.

(IX) REVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

EEC members came to the unanimous opinion that the educational program 7R01144 Emergency medicine for adults, children "KMU" NCJSC is recommended for accreditation for a period of 5 years.



Appendix 1. Evaluation table "PARAMETERS of a SPECIALIZED PROFILE" according to EP 7R01144 "Emergency medicine adult, children"

N\N	N\N	EVALUATION CRITERIA	Comments	The position of the organization of education			
				strong	satisfactory	implies improvement	unsatisfactor
"MISSION AND LEARNING OUTCOMES"							
Mission definition							
1	1	The medical educational organization should define the mission of the residency educational program and widely inform the public and the healthcare sector about the stated mission.		+			
2	2	The medical organization of education should determine the mission of the educational program based on consideration of the health needs of society, the needs of the medical care system and, accordingly, other aspects of social responsibility.		+			
3	3	The medical organization of education should ensure that the main stakeholders are involved in the development (formulation) of the mission of the educational program.		+			
4	4	The medical organization of education must ensure that the mission of the educational program corresponds to the mission of the organization and allows to prepare a competent researcher at the level of postgraduate medical education.		+			
5	5	The mission statement should contain goals and an educational strategy that allow to prepare a competent scientist, researcher at the level of postgraduate medical education.		+			
6	6	The mission of the educational program: - must meet the available resources, opportunities and market requirements; - ways to support it should be defined; - access to information about the mission of the educational program for the public should be provided (availability of information on the university's website).		+			
7	7	The mission and objectives of the educational program should be discussed at the advisory councils/commissions of the university and approved by the advisory council of the university.		+			
8	8	The medical organization of education should systematically collect, accumulate and analyze information about its activities in preparation for the implementation of the residency program; conduct an assessment of strengths and weaknesses (SWOT analysis), on the basis of which the management of the		+			

		medical organization of education, together with the advisory council, should determine policy and develop strategic and tactical plans.					
Final learning outcomes							
9	9	The medical education organization should determine the final learning outcomes that future residents should achieve as a result of the training program in relation to: their achievements at the postgraduate level in knowledge, skills and thinking; the appropriate basis for their future careers in the chosen field of medicine; future roles in the health system; commitment and skills in lifelong learning throughout the needs and problems of the health of society, the needs of the health system and other aspects of social responsibility; professional behavior.			+		
10	10	The medical organization of education should determine the final results of training in general and discipline-specific/ specialty components that students need to achieve upon completion of the program.			+		
11	11	The medical educational organization should determine the final learning outcomes regarding appropriate behavior and attitude towards patients and their relatives.			+		
12	12	The medical organization of education should have mechanisms to guarantee proper professional behavior and attitude of the residency students to colleagues and other medical personnel, teachers, other health care workers, compliance with the Code of Honor.			+		
13	13	The medical organization of education should inform the public about the established final results of the training of the residency program in the relevant specialties.			+		
14	14	The medical organization of education should guarantee continuity between the final learning outcomes of the basic and postgraduate medical education programs.			+		
Participation in the formulation of the mission and final results							
15	15	The medical organization of education should determine the mechanisms for involving stakeholders in the formulation of the mission and the final results of training in the educational program.			+		
16	16	The medical organization of education should formulate the mission of the educational program and determine the final results of the training program, taking into account proposals from other interested parties, which are representatives of other medical specialties, patients, society, organizations and authorized health authorities, professional organizations and medical scientific societies.			+		
		Total			16		
STANDARD 2 "EDUCATIONAL PROGRAM"							
Framework parameters of the postgraduate medical education program							
17	1	The medical organization of education should determine the educational framework parameters based on the			+		

		established final results of training under this program and the qualifications of a resident graduate, develop them in accordance with the required results of existing basic medical education and organize systematic and transparent training.					
18	2	The medical organization of education must ensure that the content of the residency program meets the requirements of the State Educational Standard of the Republic of Kazakhstan and ensure the breadth of training of specialists in accordance with the name of the program and the necessary depth of training in the field determined by the specialty.			+		
19	3	A medical educational organization should use practice-oriented training, ensuring the personal participation of residency students in the provision of medical care and responsibility for patient care.			+		
20	4	The medical educational organization should use appropriate teaching and learning methods and guarantee the integration of components in practice and theory, which include didactic classes and experience in helping the patient as well as independent and active learning.			+		
21	5	The medical organization of education must ensure that the training will be conducted in accordance with the principles of equality.			+		
22	6	A medical education organization should use a student-centered approach to teaching that encourages, prepares and supports future residency students to take responsibility for their own learning process and demonstrate in their practice.			+		
23	7	The medical organization of education should provide mechanisms for mentoring, regular evaluation and feedback, informing about the program and the rights and obligations of future residency students, as well as include ethical obligations in the program.			+		
24	8	The medical organization of education should provide mechanisms to increase the independence and responsibility of the residency students regarding their knowledge, skills and experience development.			+		
25	9	Medical educational organizations should recognize gender, cultural and religious characteristics and prepare future residency students for appropriate relationships with patients.			+		
Scientific method							
26	10	The medical organization of education should introduce the scientific foundations and methodology of medical research, including clinical research.			+		
27	11	The medical organization of education should ensure that future students of the residency are able to use scientific justifications, will study and know evidence-based medicine through broad access to relevant clinical/practical experience on the bases of the appropriate profile in the chosen field of medicine.			+		

28	12	The medical organization of education should provide for the teaching and training of critical evaluation of literature, articles and scientific data, the use of scientific developments.			+		
Program content							
29	13	A medical educational organization should include in the training program clinical work and the relevant theory or practice of basic biomedical, clinical, behavioral and social sciences, preventive medicine, clinical decision-making, communication skills, medical ethics, public health, medical jurisprudence and forensic medicine, management disciplines, patient safety, responsibility for one's own health, knowledge of complementary and alternative medicine.			+		
30	14	A medical education organization should organize educational programs with due attention to patient safety and autonomy.			+		
31	15	The medical organization of education should ensure in the educational program the development of knowledge, skills and professional attitudes corresponding to various roles of a doctor, such as a practicing doctor or medical expert, communicator, employee and team member, leader/manager or administrator, advocate for the interests and health of the patient, scientist/researcher.			+		
32	16	The medical organization of education should provide mechanisms for adjusting and changing the content to the changing conditions and needs of the medical care system.			+		
Program structure, content and duration							
33	17	The medical organization of education should describe the general structure, composition and duration of the educational program, clearly establish the mandatory component and the component of choice, integrate practice and theory, take into account the requirements of national legislation and provide an adequate representation of how local, national or regional health systems are focused on the needs of providing medical care to the population.			+		
34	18	The medical organization of education should, when deciding on the duration of the program, take into account the required final results of postgraduate medical education in relation to the chosen field of medicine, the requirements for performing different roles of certified specialists in the health sector, possible alternatives for using training based on time parameters.			+		
Organization of training							
35	19	The medical education organization should define the responsibility and authority for the organization, coordination, management and evaluation of each training base/clinical base and educational process.			+		
36	20	The medical organization of education should guarantee clinical training in the conditions of multidisciplinary clinics and mechanisms for coordinating training on the			+		

		basis of these clinics in order for future residency students to acquire adequate training in various aspects of the chosen field of medicine.					
37	21	The medical organization of education should guarantee training in conditions of various clinical bases, which are characterized by the profile of clinics, different categories of patients, the level of medical care (primary medical care, specialized medical care, highly specialized medical care), hospitals and outpatient clinics.			+		
38	22	The medical organization of education must observe, when planning an educational program, the proper representation of employees, residency students and other relevant stakeholders.			+		
39	23	A medical educational organization should have access to the resources necessary for planning and implementing teaching methods, evaluating students, and innovating a training program.			+		
The relationship between postgraduate medical education and medical care							
40	24	A medical educational organization should describe and recognize the role of mentoring in professional development, guarantee integration between training and medical care (on-the-job training), ensure that training is complementary and consistent with the requirements for medical care.			+		
41	25	The medical organization of education should effectively organize the use of the capabilities of the healthcare system or the provision of medical care for training purposes, which involves using the capabilities of various clinical bases, patient problems and clinical problems for training purposes, and at the same time, observing the requirements for medical care.			+		
		Total			25		
Standard 3 "RESIDENCY STUDENT ASSESSMENT POLICY"							
Evaluation methods							
42	1	A medical education organization should formulate and implement a residency student evaluation policy that includes principles, goals, methods and practices for evaluating residency students, including specialist qualification exams, and ensure that the assessment covers knowledge, skills and professional behavior and attitude.			+		
43	2	A medical educational organization should use an additional set of assessment methods and formats in accordance with their "applicability", which includes a combination of validity, reliability, impact on learning, acceptability and effectiveness of assessment methods and formats in relation to established learning outcomes.			+		
44	3	The medical organization of education should formulate criteria for passing exams or other types of assessment, including the number of allowed retakes.			+		

45	4	A medical educational organization should study and document the reliability, validity and fairness of assessment methods.			+		
46	5	The medical organization of education should use the system of appeal of evaluation results based on the principles of fairness and through compliance with the legal process.			+		
47	6	The medical organization of education should promote the involvement of external examiners, introduce new assessment methods if necessary.			+		
48	7	The medical organization of education should keep a record of various types and stages of training in a training journal or protocols.			+		
The relationship between assessment and learning							
49	8	A medical education organization should use evaluation principles, methods and practices that are compatible with established learning outcomes and teaching methods.			+		
50	9	The medical organization of education should have mechanisms for providing timely, specific, constructive and fair feedback to future residency students based on the results of an assessment of their knowledge and skills.			+		
51	10	The medical organization of education should use the principles, methods and practices of assessment that promote integrated learning and involvement in practical clinical work, provide interprofessional training.			+		
		Total			1	9	
STANDARD 4 "RESIDENCY TRAINEES"							
Admission policy and selection							
52	1	The medical organization of education should consider the relationship between the mission of the university, the educational program and the selection of residency students.			+		
53	2	The medical organization of education should ensure a balance between the available potential and opportunities for training and recruitment of residency students.			+		
54	3	The medical educational organization should formulate and implement a policy on the criteria and selection process for students, including admission of students with disabilities who require the necessary conditions and equipment in accordance with national legislation and regulations, and take into account the safety of doctors and patients.			+		
55	4	A medical educational organization should formulate and implement a policy of transferring residency students from other national or international programs.			+		
56	5	The medical organization of education should guarantee a high level of understanding of biomedical sciences, achieved at the basic level before the start of postgraduate education.			+		

57	6	The medical organization of education should guarantee transparency of the selection procedure and equality of access to postgraduate education.			+		
58	7	The medical organization of education should consider, as part of its selection procedure, the specific abilities of applicants in order to improve the outcome of the learning process in the chosen field of medicine.			+		
59	8	The medical organization of education should develop an appeal procedure against the decision of the admissions committee.			+		
60	9	The medical organization of education should provide mechanisms for periodic review of the admission policy, based on relevant social and professional data, in order to meet the health needs of society.			+		
Number of students							
61	10	The medical educational organization should establish the number of residency trainees that corresponds to the possibilities of clinical/practical training, the potential of clinical mentoring and other available resources, national and regional needs of human resources in accordance with the chosen field of medicine, and if the medical educational organization does not independently determine the recruitment of students, then it should demonstrate its responsibility by explaining the existing relations with the authorized authorities and paying attention to the consequences of admission decisions, for example, the imbalance between the recruitment and the available capacity and capabilities of bases and resources for training.			+		
62	11	A medical educational organization should have accessible information about the health needs of society, which includes consideration of balanced recruitment in accordance with the gender, ethnic and social characteristics of the population, including the potential need for a special recruitment and admission policy for their groups of small peoples and doctors from rural areas.			+		
63	12	The medical organization of education should determine the number of residency trainees through consultation with interested parties.			+		
Support and consultation of residency students							
64	13	A medical educational organization should have a system of academic counseling for future residency students.			+		
65	14	A medical educational organization should have mechanisms for supporting residency students focused on social, financial and personal needs, allocating appropriate resources for social and personal support.			+		
66	15	The medical educational organization must guarantee confidentiality in relation to counseling and support provided and provide support for vocational guidance and career planning.			+		

67	16	The medical organization of education should provide support in the event of a professional crisis and problematic situations.			+		
Representation of residency students							
68	17	The medical educational organization should develop and implement a policy on the representation of residency students, including in the formulation of the mission and final learning outcomes, participation in the development of the training program, planning of working conditions, evaluation of the training program, management of the training program.			+		
		Total			17		
STANDARD 5 "TEACHERS"							
69	1	A medical educational organization should develop and implement a policy of recruitment and admission of teachers, supervisors and mentors, which determines the required experience, criteria for scientific, educational, pedagogical and clinical achievements, including the balance between teaching, scientific activities and specialist qualifications, their responsibilities, duties of employees and, in particular, the balance between teaching, research and provision of medical care.			+		
70	2	The medical organization of education should take into account the mission of the educational program, the needs of the education system and the needs of the medical care system in its selection policy.			+		
71	3	The medical organization of education should, in the development and implementation of personnel policy, determine the responsibility of all doctors as part of their professional duties to participate in postgraduate education based on practice, reward for their participation in postgraduate training of specialists, ensure that teachers are practitioners in the relevant fields, ensure that teachers in sub-specialties are appointed only for a certain period of training in accordance with the specifics of the training program and their qualifications.			+		
72	4	The medical organization of education should ensure that teachers have enough time for teaching, mentoring and training, provide a program for the development of teachers and mentors, guarantee periodic evaluation of the activities of teachers and mentors.			+		
73	5	The medical organization of education should, when developing and implementing personnel policy, include in the staff development program and support for teachers their training and further professional development of both professional and pedagogical qualifications; evaluate and recognize academic activities as teachers, mentors; determine the ratio between the number of teachers who have received recognition and the number of residency students, guaranteeing their individual relationship and			+		

		monitoring of the achievements of the residency students.					
		Total			5		
STANDARD 6 "EDUCATIONAL RESOURCES"							
Logistics And Equipment							
74	1	The medical organization of education should provide the residency students with a base and opportunities for practical and theoretical training, access to the latest professional literature and sources, adequate information and communication technologies and equipment for teaching practical skills, a safe environment for self-directed learning.			+		
Clinical bases							
75	2	The medical educational organization should select and approve training bases and provide access to appropriate clinical/practical training bases, a sufficient number of patients, relevant patients and information about patients with various problems to achieve training goals, including the use of both inpatient and outpatient care, and duty.			+		
76	3	The medical organization of education should, when choosing the learning environment and clinical base, ensure that the training program includes issues on health promotion and disease prevention, training in other relevant clinics/institutes and PHC.			+		
77	4	A medical educational organization should develop and implement a quality control system for clinical bases and other educational resources, material and technical equipment, including visits to training bases or other established procedures.			+		
Information technology							
78	5	The medical organization of education should guarantee access to web and electronic media and effectively use information and communication technologies, in compliance with ethics, as an integrated part of the educational program.			+		
Medical research and achievements							
79	6	The medical organization of education should provide information about the research base and priority directions in the field of scientific research of the medical organization of education				+	
80	7	The medical organization of education should provide for future students of the residency the appropriate time in the training program for conducting scientific research.			+		
81	8	The medical organization of education should be provided with access to equipment for conducting scientific research and scientific events held at the training bases.			+		
Training in other institutions							
82	9	The medical educational organization should develop and implement an accessibility policy for future				+	

		residency students and provide them with training opportunities in alternative institutions inside or outside the country.					
83	10	The medical organization of education should create a system for the translation and offsetting of learning outcomes through active coordination of programs between educational institutions and the use of academic credits.			+		
84	11	The medical education organization should develop relations with relevant national and international bodies in order to facilitate the exchange and mutual recognition of learning elements.			+		
		Total			9	2	
STANDARD 7 "EVALUATION OF EDUCATIONAL PROGRAMS"							
85	1	The medical organization of education should have mechanisms for monitoring the educational program, taking into account the mission, the required final learning outcomes, the content of the educational program, assessment of knowledge and skills, educational resources.				+	
86	2	The medical organization of education should evaluate the program regarding the policy of admission of residency students and the needs of education and the health care system for medical personnel.			+		
87	3	The medical organization of education should guarantee the participation of stakeholders in the evaluation of the program.			+		
88	4	The medical organization of education should provide mechanisms to ensure transparency of the process and results of the evaluation of the educational program for management and all interested parties.				+	
		Total			2	2	
Standard 8 "MANAGEMENT AND ADMINISTRATION"							
89	1	The medical organization of education should determine the structural unit responsible for educational programs and the achievement of final learning outcomes.			+		
90	2	The structural unit responsible for educational programs should have the authority to plan and implement the educational program, including the allocation of allocated resources for planning and implementing teaching and learning methods, evaluating residency students, evaluating the educational program and training courses.				+	
91	3	The medical organization of education should determine the responsibilities and responsibilities of the management/staff for postgraduate medical education.			+		
92	4	A medical educational organization should develop a quality management assurance program, including regular reviews.				+	
93	5	The medical organization of education should have a clear range of responsibilities and powers to provide educational programs with resources, including the				+	

		target budget for training, should allocate the resources necessary for the implementation and implementation of the training program and allocate educational resources in accordance with the needs.					
		Total			5		
		Total		1	88	4	

