

To the Accreditation Council  
of the Eurasian Center for Accreditation  
and Quality assurance in Higher education and Healthcare  
31.05.2023

**REPORT  
OF THE EXTERNAL EXPERT COMMISSION  
ON THE RESULTS OF THE EVALUATION OF THE EDUCATIONAL  
PROGRAMME  
6B10114 "ERGOTHERAPY"  
OF NJSC "ASTANA MEDICAL UNIVERSITY"  
FOR COMPLIANCE WITH THE ACCREDITATION STANDARDS OF  
BACHELOR PROGRAMMES OF MEDICAL EDUCATIONAL  
ORGANIZATIONS**

**external expert evaluation period: May 16-18, 2023**

**Astana, 2023**

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## LIST OF SYMBOLS AND ABBREVIATIONS

Abbreviation	Designation
AIS	automated information system
LBC	library and bibliographic classification
DB	Database
IRD	internal regulatory document
SAC	state attestation commission
SCES RK	state compulsory educational standard of the Republic of Kazakhstan
ECAQA	NU "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Healthcare"
RS	Research School
IEP	Individual education plan
QAC	Quality Assurance Committee
CED	catalog of elective disciplines
HM	Management in healthcare
MH RK	Ministry of Healthcare of the Republic of Kazakhstan
NJSC "AMU"	Non-profit joint stock company "Astana Medical University"
RI	Research Institute
NET	new educational technologies
STP	scientific and technical programme
PC	professional competencies
TS	teaching staff
RK	The Republic of Kazakhstan
EDM	extended meeting of the department
WC	working curriculum
IWM	Independent work of master students
IWMT	Independent work of master students under the guidance of a teacher
MC	model curriculum
UDC	Universal Decimal Classification
EMCD (teaching materials)	educational and methodological complex of the discipline
ELS	Electronic library systems
CST	training in clinical situations
GPA	GPA
PBL	problem-based learning
TBL	team-oriented learning

### 1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 12 dated May 5, 2023, an External Expert Commission (hereinafter referred to as the EEC) was formed to conduct an external evaluation of the Bachelor's educational programme in the specialty "Ergotherapy" in the period May 16-18, 2023, in the following composition:

No.	Status in the EEC	Full name	Academic degree / title, position, place of work / place of study, course, specialty
1	Chairperson	YERMUKHANOVA LYUDMILA SERGEYEVNA	Candidate of Medical Sciences, Head of the Department of public health and healthcare NJSC "West-Kazakhstan medical university named after Marat Ospanov"
2	Foreign expert	D.R. ALENKA BRAČEK LALIĆ	PhD in Human Resource Management and labor relations. Managing Director of the AUTHENTIC LEADERSHIP Institute (since 2021). Vice Dean for Research Institute AUTHENTIC LEADERSHIP (2017-2021); Associate Professor in Management (2022 - 2027) Ljubljana Business School; Director of International CEEMAN Quality Accreditation (IQA) (2015-2021), Republic of Slovenia
3	Foreign expert	KODIROVA SHAKHLO SALOMOVNA	PhD, Associate Professor, Head of the Department of Traditional Medicine and Occupational Diseases of Bukhara State medical institute, the Republic of Uzbekistan
4	National academic expert	ZHAKIPBEKOV KAIRAT SAPARKHANOVICH	PhD, Associate Professor, Head of the Department of Organization, Management and Economics of Pharmacy and Clinical Pharmacy NJSC "Kazakh National Medical University named after S.D.Asfendiyarov"
5	National academic expert	DANIYAROVA ANARA BAKHITKEREVNA	Candidate of Medical Sciences, Director of the Higher School of Public Health Al-Farabi Kazakh National University
6	National academic expert	YERZHANOVA FARIDA NURMUKHAMBETOVNA	The highest medical category in public healthcare, Master in Healthcare; Head of the Department of Science and Vocational Education Republican State enterprise on the Right of Economic Management "Hospital of the Medical Center for

			Administrative Affairs of the President of the Republic of Kazakhstan”, Deputy Chairperson of the State Unitary Enterprise for additional education under Educational and Methodological Association of the Republican Educational and Methodological Council in the direction of training "Healthcare"
7	National academic expert	AKHMETOVA ALMIRA KALIKAPASSOVNA	Candidate of Medical Sciences, Associate Professor, Head of Department of dermatovenereology and cosmetology of NJSC "Semey Medical University"
8	National academic expert	NURZHANYAT TATUKHANOVA ABLAIKHANOVA	Candidate of Biological Sciences, Associate Professor, Deputy Head of the Department of Biophysics, Biomedicine and Neuroscience for Educational and Methodological Work of Al-Farabi Kazakh National University
9	National academic expert	RAKHMANOV ELTAY UTEMURATOVICH	PhD, Deputy Director of the Master's Program in Sports Medicine and Rehabilitation, School of Medicine, Nazarbayev University, organizer of educational, practical and research work of master's students in sports medicine and rehabilitation.
10	Expert - representative of practical healthcare	ZHUKUBAYEVA ALMIRA ASETKYZY	Master in Pedagogy and Psychology, the highest medical category in emergency care, therapy, the first medical category in public healthcare. Head of the Department of Education, LLP "National Scientific Cancer Center"
11	Representative of doctoral students	ESENBKOVA NAIRA ADILKHANOVNA	Doctoral student of the second year of study in the specialty "Biology" NJSC "Eurasian National University named after L.N. Gumilev"

ECAQA Observer – Umarova Makpal Aldibekovna, Head of Accreditation and Monitoring Department.

The EEC work was carried out in accordance with the Regulations on the EEC.

The EEC report contains an assessment of the bachelor degree educational programme 6B10114 "Ergotherapy" for compliance with the Accreditation Standards of Bachelor degree Programmes in Medical Educational organizations and conclusions (hereinafter referred to as the Accreditation Standards), recommendations of the EEC for further improving the approaches and conditions for the implementation of the above educational programme and recommendations for the ECAQA Accreditation Council.

## 2. General part of the final report

### 2.1 Presentation of the educational programme of the bachelor's degree in the specialty 6B10114 "Ergotherapy"

Organization name, legal form of ownership, BIN	Astana Medical University, non-profit joint stock company, 080940008218
Management body	<b>Board of Directors</b>
Full name of the first head	Nadyrov Kamalzhan Talgatovich
Date of establishment	October 26, 1964
Location and contact details	Astana, Beibitshilik 49a 010000 Tel.: +7 (7172) 53 94 47; +7 700 153 94 47, <a href="mailto:rektorat@amu.kz">rektorat@amu.kz</a>
State license for educational activities in the bachelor's degree (date, number)	License No. KZ93LAA00014823 dated March 19, 2019, No. 253 (date of initial issue: January 31, 2009).
Information about branches, subsidiaries (if any)	<b>No</b>
Year of start of implementation of the accredited educational programme (EP)	2020
Duration of study	4 years
The total number of graduates since the beginning of implementation of the EP	9
The number of students on the EP since the beginning of the current academic year	25
Employment	Employment rate, 89% in dynamics for 1 year: 2023 - 89%
Full-time teachers/ part-time teachers involved in the implementation of the EP, incl. % of degree	The total number of teachers is 39, including full-time - 16, part-time - 24.  Degree, % - 30 Category, % - 52
Website Instagram Facebook with active pages	<a href="https://amu.edu.kz/?changeLang=true">https://amu.edu.kz/?changeLang=true</a> <a href="https://www.instagram.com/amu_mua_official/">https://www.instagram.com/amu_mua_official/</a> <a href="https://www.facebook.com/MeduniverAstana/">https://www.facebook.com/MeduniverAstana/</a>

### 2.2 Information about previous accreditation

The educational programme 6B10114 "Ergotherapy" in June 2020 passed the primary specialized accreditation in the Independent Agency for Accreditation and Rating for a period of 3 years from 09.06.2020 to 08.06.2023 and on 27.04.2020 was included in the Register of Educational Programmes <https://amu.edu.kz/upload/iblock/20c/20c56eda74a1e727d6251af224a910c6.pdf>

**2.3 Conclusion on the results of the reviewing the self-assessment report of the bachelor's degree programme in the specialty 6B10114 "Ergotherapy" for compliance with the Accreditation Standards for bachelor's degree programmes of medical educational organizations and conclusions**

The self-assessment report of the educational programme of the bachelor's degree in the specialty 6B10114 "Ergotherapy" (hereinafter referred to as the report) is presented on 150 pages of the main text, attachments on 20 pages, copies or electronic versions of 15 documents located at the link [https://drive.google.com/drive/folders/1FITx4k8AcVjr8TGZZ\\_tEjK1-LP2FMRjo](https://drive.google.com/drive/folders/1FITx4k8AcVjr8TGZZ_tEjK1-LP2FMRjo).

The report is characterized by the completeness of answers to all 9 main accreditation standards and criteria, structuredness taking into account the recommendations of the Guidelines for the self-assessment of the educational programme provided to the educational organization by the accreditation center - ECAQA, as well as the internal unity of information. The report is accompanied by a cover letter signed by Rector Nadirov Kamalzhan Talgatovich, which confirms the accuracy of the quantitative information and data included in the self-assessment report.

The report contains a list of 24 members of the internal self-assessment commission indicating the responsibility of each employee, data about the representative of the organization responsible for conducting the self-assessment of the educational programme - Zhunussova Aigul Bitimbayevna, vice-rector for academic work, candidate of medical sciences, physician - pediatrician of the highest category.

The self-assessment of the educational programme 6B10115 "Kinesitherapy" of NJSC "Astana Medical University" was carried out based on the order No. 38-10/9 dated 09.01.2023 "On the self-assessment of the educational programme 6B10114 "Ergotherapy".

The report was reviewed by an accreditation expert: Rakhmanov Yeltay Utemuratovich, and the reviews noted the strengths and areas for improvement, as well as recommendations for additions and changes, which were taken into account in the process of feedback from the representative of the university and the corresponding changes and additions were made to the self-assessment report.

All standards provide the actual practice of the University in preparing bachelors in the specialty 6B10115 "Kinesitherapy", taking into account the start of admission of students in 2020, reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. The description in the self-assessment report is quite complete and updated in terms of the number of students, teachers, administration, information on selection and admission, training outcomes, knowledge and skills assessment results, the material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement.

The report is submitted to the ECAQA in a finalized form, with data adjusted according to the above recommendations, written in competent language, the wording for each standard is clear and understandable and described in accordance with the criteria of the standards, tables, diagrams contain links in the text and have continuous numbering.

The quality of the self-assessment report served as the basis for the transition to the next stage of the accreditation procedure - external evaluation. The experts plan to validate the report data, compare the information from the report with the information that will be obtained during a visit to the educational organization, i.e., verification of quantitative and qualitative indicators.

### **3. Description of external expert evaluation**

External expert work within the framework of the evaluation of the educational programme 6B10114 "Ergotherapy" was organized in accordance with the Guidelines for the external evaluation of educational organizations and educational programmes of ECAQA and in accordance with the programme approved under No. 12 dated 05.05.2023 by the ECAQA Director General Sarsenbayeva S.S. and agreed with the rector Nadyrov Kamalzhan Talgatovich. Dates of the visit to the organization: May 16-18, 2023.

The external evaluation is aimed at validating the data of the self-assessment report and verifying the indicators indicating the degree of compliance with the criteria of the accreditation standards.

The sequence of the visit within 3 days is detailed in the Visit Programme (hereinafter referred to as the programme), which is located in the documentation of the accreditation center. The programme

is proof of the implementation of all planned activities within the framework of an external expert evaluation.

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

- conversation with management and administrative staff – 32 people;
- interviews with bachelor degree students - 18 people;
- study of the website <https://amu.edu.kz/>;
- interviewing 11 teachers;
- questioning of 10 teachers;
- review of resources in the context of fulfilling accreditation standards: 3 practice/clinical engagement bases were visited, including Dr. Labunz Center - Tauelsizdik 32; City Polyclinic No. 5 - Akan Seri 20; Private Charitable Foundation "Adal Niet Astana" - Moskovskaya 17, where training is provided in 3 educational programmes with the participation of 16/24 full-time teachers/part-time teachers;
- study of educational and methodological documents in the amount of 48 units both before the visit to the organization and during the visit to the departments (the list of examined documents is in **Attachment 2**).

On the part of the staff of the accredited organization, the presence of all persons indicated in the visit programme and according to the lists of interview sites and conversations was ensured (Table 1).

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

<b>№</b>	<b>Job title</b>	<b>Quantity</b>
1	Head of department of rehabilitation and sports medicine (SM)	1
2	Associate Professor of department of rehabilitation and SM	3
3	Senior Lecturer of department of rehabilitation and SM	1
4	Assistant of department of rehabilitation and SM	3
5	Teacher of department of rehabilitation and SM	1
6	Bachelor degree students	18
7	Administrative staff	14

On the last day of the visit to the organization, a meeting of the EEC members was held following the results of the external evaluation. A final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of conversations, interviews, and questionnaires was held. EEC members have begun drafting the final report of the EEC. Generalizations of the results of the external evaluation are made. The experts individually completed the “Quality Profile and Criteria for External Evaluation of the Bachelor’s Educational Programme 6B10114 «Ergotherapy» for Compliance with the ECAQA Accreditation Standards”. No comments were made by the EEC members. Recommendations for improving the educational programme were discussed and the final open vote on recommendations for the ECAQA Accreditation Council for the period of accreditation was held by the chairperson Professor Yermukhanova Lyudmila Sergeevna.

At the end of the programme of the visit, the chairperson of the EEC announced recommendations for the management and employees of the educational organization based on the results of an external evaluation as part of specialized accreditation.

Analyzing the relationship of all interested parties, the commission established the need to involve representatives of public and professional organizations, associations in the field of ergotherapy (for example, the Kazakhstan Association of Ergotherapy - KAE) and complementary medicine on a regular basis in the development, improvement and evaluation of the educational programme and/or its components (electives) and to the assessment of students. The activities of the KAE are aimed at the implementation of international standards established by the World Federation of Occupational Therapists.



On the last day of the visit to the organization, a meeting of the EEC members was held following the results of the external evaluation. A final discussion of the results of the external evaluation of the educational programme, the study of documents, the results of conversations, interviews and questionnaires was held. EEC members have begun drafting the final report of the EEC. Generalizations of the results of the external evaluation are made. The experts individually completed the “Quality Profile and Criteria for External Evaluation of the Educational Programme 6B10114 «Ergotherapy» for Compliance with the ECAQA Accreditation Standards”. No comments were made by the EEC members. Recommendations for improving the educational programme were discussed and the final open vote on recommendations for the ECAQA Accreditation Council for the accreditation period of 5 years was held by the chairwoman Yermukhanova Lyudmila Sergevena.

## **5. Analysis for compliance with accreditation standards based on the results of an external evaluation of the bachelor's degree programme in the specialty 6B10114 "Ergotherapy"**

### **Standard 1: MISSION AND VALUES**

#### **Evidence of Compliance:**

##### **1.1 Mission statement**

The mission of NJSC "AMU" reflects the development and improvement of the national system of higher education and was developed in accordance with the general strategy of the state, presented in the programme documents of the Republic of Kazakhstan, it reflects its nature, features, established development priorities, as well as the place and role of the university in the educational, scientific, socio-economic and cultural development of the region and the country as a whole.

The mission of the educational programme 6V10114 "Ergotherapy" is carried out in accordance with the mission and strategic directions of NJSC "AMU" and is to train competitive occupational therapists who are able to provide qualified medical and social services for the social adaptation of patients of all nosological forms and age categories in familiar conditions of existence or newly created conditions for the patient, using various means and methods of therapeutic physical culture, psychology, elements of sports, massage, natural and preformed factors of nature, ready to continue learning throughout life in a dynamically developing modern medicine and perform their professional activities on the basis of modern innovative technologies in combination with the solution of socially important problems of practical healthcare.

The mission of the educational programme "Ergotherapy" is based on the health needs of society, the needs of the medical care system and other aspects of social responsibility. Thus, in Kazakhstan there are consistently high numbers of disability among the population, including among children and adolescents. In total, according to statistics, as of January 1, 2023, more than 711 thousand people with disabilities live in Kazakhstan (3.64% of the total population), (in 2019 - 680 thousand), 104 thousand of which are persons under 18 years of age (in 2019 - 87 thousand). One of the main problems of the republican healthcare rehabilitation service is the lack of personnel in this area. Thus, at the beginning of January 2023, according to the Healthcare Department, there were only 20 occupational therapists in state medical institutions, of which 2 were in rural areas. An acute shortage of specialists in the field of medical rehabilitation prevents the maximum coverage of those in need of rehabilitation and the full provision of rehabilitation assistance to patients with protracted and chronic forms of diseases, as well as socially unadapted persons.

Therefore, the goal of the EP "Ergotherapy" is to train specialists who are able to provide qualified ergotherapeutic services for the rehabilitation and habilitation of patients, improve their quality of life, achieve independence and self-sufficiency in everyday life. The bachelor's degree educational programme "Ergotherapy" will help to quickly fill the acute shortage of personnel who are an integral part of a multidisciplinary team, without which the rapid and successful development and reform of the rehabilitation service and the entire national healthcare system is almost impossible. A bachelor's degree obtained at NJSC "AMU" provides graduates with additional opportunities for career development, further education in master's and doctoral studies. The reputation of the university is a

guarantee of the highest quality of training, which favorably distinguishes our graduates when applying for a job. Focusing on the demands of the labor market, the university offers its students qualitatively new educational areas at the bachelor's degree level using the latest teaching technologies and the organization of the educational process.

The AMU has subdivisions - the Dean's Office of Nursing, which is directly related to the educational programme "Ergotherapy", which can be noted as the best practice in education, namely, the Dean's Office participates in international educational projects like Erasmus +. This experience is a prerequisite for the further implementation of international standards of training in Ergotherapy.

The results of the study of the documentation demonstrate that the mission of the organization and the mission of the educational programme Ergotherapy, and the educational process is built in accordance with the State Compulsory Educational Standard and the current normative legal acts (NLA) in higher education and healthcare.

## **1.2 Participation in the formulation of the mission of the educational programme**

The main stakeholders participated in the development of the mission: employers, students, leading experts in the field of rehabilitation. The discussion of the mission at the Department of Rehabilitology and Sports Medicine was preceded by its review by an international expert in the field of ergotherapy- Ph.D., Associate Professor of the Institute of Defectology and Medical Psychology, Moscow, Shevtsova E.E. Then the mission was discussed at a meeting of the Department of Rehabilitation and Sports Medicine (minutes No. 6 dated 30.01.2020), at the QAC of Nursing (minutes No. 3 dated 14.02.2020), which, in addition to university teachers, include representatives of students, public health organizations and employers. This guarantees the participation of the main stakeholders in the development of the mission of the educational programme "Ergotherapy". So, the following persons participated in the discussion of the EP at the department: the chief freelance rehabilitologist of the Republic of Kazakhstan Zhanaspayeva G.A., the main freelance children's rehabilitologist of the Republic of Kazakhstan Bulekbayeva Sh.A., the chief freelance rehabilitologist for Astana Dzhusupova L.A., Head of the Rehabilitation Department of the Unitary Enterprise based on the Right of Economic Management "City Polyclinic No. 4" Sorokina E.F., chief physician of the center "Doctor Labunets Center" Labunets A.A., who are potential employers and part-time employees of the department, the representative of the students - resident Kussainov B.

Monitoring and analysis of work and activities of other various organizations in the field of quality management of various fields of activity and business processes of the university is systematically carried out. A wide range of stakeholders allows a more reliable assessment of the activities of the university and the improvement of the process of continuous improvement of the formulation of the mission and goals.

According to the internal document SU-MUA-04-21 "Feedback Monitoring" 84b38d39a854cc3e6e076ee8e065e50b.pdf (amu.edu.kz), the monitoring and analysis of satisfaction and perception of the main consumers of the university's activities (students, employers, teaching staff) is carried out, meetings of the rector with students are organized, where the issues of the quality of the content of the educational programme, the quality of teaching, the quality of the organization of the educational process, the quality of learning technologies, the quality of forms of control of students' knowledge, learning conditions, material and technical, methodological, information support of the educational process, living conditions, nutritional conditions, etc. are directly discussed.

Meetings of vice-rectors, deans are organized throughout the year, and the requirements of students are studied by the schools on a daily basis.

Blogs of the rector, deans, helpline, helpbox are open. The mission and vision of the University are constantly being adjusted and refined taking into account the adopted new programme documents and the Strategy "Kazakhstan 2050", as well as the "Strategic Development Plan of Kazakhstan until 2025". In connection with the new tasks set for the medical education system by the "State Programme for the Development of Healthcare of the Republic of Kazakhstan for 2020-2025", the University has moved into a new stage of its development. To implement the priority areas for the development of

medical education, the vision and mission of the University were revised and the Strategic Directions as well as the Development Strategy of NJSC "AMU" for 2022 - 2026" were developed (approved by the Board of Directors on 30.05.2022, protocol No. 17) d8303a691742f0f3b444de21f02049da.pdf (amu.edu.kz)

To verify **standard 1**, a meeting was held with the vice-rector for academic work - Zhunusova A.B., and with the vice-rector for scientific work and strategic development - Kokov V.V.

When conducting questionnaire (on the resource <https://webanketa.com/>), 10 teachers (21 questions of the questionnaire) answered that 78.48% were satisfied with the organization of labor and the workplace in this educational organization, and 14.81% partially agreed with this statement. According to opinion of 81.48%, in the the educational organization the teacher has the opportunity to realize himself/herself as a professional in his/her specialty. For information, a total of 10 people answered (14 staff in total), while 22.22% had a teaching experience of up to 5 years, 14.81% - up to 10 years, 62.96% - over 10 years.

**EEC conclusions by criteria.** Compliant with 8 standards (including 8 basic, 0 improvement standards): fully - 8.

**Standard 1:** implemented

## **Standard 2: EDUCATIONAL PROGRAMME**

### **Evidence of Compliance:**

#### **2.1 Training outcomes of the educational programme**

The expected training outcomes are in line with the mission of the University, which is to train competitive specialists who are able to respond to existing and new challenges to public health, generate new knowledge and innovation, and promote the scientific and technological development of national and global healthcare.

An individualized patient-centered approach within walking distance, based on the economically viable principle "Money follows the patient", which is guided by the Ministry of Healthcare of the Republic of Kazakhstan, requires the acquisition of new knowledge, skills and abilities, which include the effective use of limited healthcare resources, the redistribution of functions between primary and specialized medical care, prevention, treatment and rehabilitation. Thus, one of the most important factors ensuring the development of the country's healthcare system should be the high professional competence of people who are entrusted with the health of the population. In this regard, high priority is paid to the maximum approximation of training to practice. In this regard, the University supports the reduction of lecture hours, the widespread use of online resources, the increase in group projects and practical classes, incl. simulation classes - up to 75%.

The bachelor's degree educational programme "Ergotherapy" will help to quickly fill the acute shortage of personnel who are an integral part of a multidisciplinary team, without which the rapid and successful development and reform of the rehabilitation service and the entire national healthcare system is almost impossible. A bachelor's degree received at NJSC "AMU" provides graduates with additional opportunities for career development, further education in master's and doctoral studies. The reputation of the university is a guarantee of the highest quality of training, which favorably distinguishes our graduates when applying for a job. Focusing on the demands of the labor market, the university offers its students qualitatively new educational areas at the bachelor's degree level using the latest teaching technologies and the organization of the educational process.

70.37% of teachers-respondents believe that students of this educational organization have a high level of knowledge and practical skills after completing the training programme, and 14.81% partially agree with this.

#### **2.2 Organization and structure of the educational programme**

For the implementation of the educational programme in the specialty "Ergotherapy" in the documents of the organization there are teaching materials, which defines the goal, takes into account the integration of practical and theoretical components, and independent work. Compliance with State

Compulsory Educational Standard and standard requirements was established. The organization ensures compliance with ethical aspects in the implementation of the educational programme, as the experts studied the “Code of Corporate Culture of NJSC “AMU” (since September 28, 2012, protocol No. 8) and during the interview, the students answered that they were aware of the content of this document.

An analysis of educational activities showed that the scientific basis and all the achievements of science in advising disciplines were taken into account, additions were made to the bibliography of the teaching materials and syllabuses, and teachers use them in the classroom.

This indicates compliance with standard 2 in terms of adapting training to the needs of students. At the same time, along with the principles of quality and academic honesty, which are described in the document Academic policy of NJSC "Astana Medical University", P-MUA-17-20 dated 29.09.2022.

Upon completion of the educational programme at NJSC "AMU", a bachelor's degree is awarded in the specialty "Ergotherapy", which provides graduates with additional career development opportunities, continuing their studies in master's and doctoral studies. *The qualification gained after completion of the programme corresponds to level 6 of the National Qualifications Framework, compiled based on the qualifications in the European Higher Education Area (EQF). (ESG 1.2).*

All explanatory conversations are held by the dean during a meeting with students, curators during curatorial hours.

The educational programme "Ergotherapy" provides students with both academic knowledge and the necessary skills that contribute to their personal development and necessary for use in their future careers. Future bachelors of the specialty acquire the necessary skills and abilities to work directly in the clinic during practical classes and during the work experience internship, delving into the problems of the patient, into the essence of the work of physicians at all levels of the healthcare system. In NJSC "AMU" the clinical skills that a graduate must master are unified, distributed among courses in compliance with the principle from simple to complex, fixed between disciplines, which allows avoiding duplication and making progress in mastering clinical skills. And the constant monitoring by the developers of the EP of the healthcare requirements for Ergotherapists allows expanding the competencies of future specialists in the development of elective disciplines. Thus, the high prevalence among children and adolescents of flat feet and scoliosis dictated an in-depth consolidation of the skills of working with such patients in the future on electives: "Ergotherapy for various types of flat feet" and "Kinesiology for scoliosis". Changes in healthcare needs against the backdrop of the consequences of Covid-19 forced us to introduce an elective: “Fundamentals of rehabilitation after Covid infection”, etc.

The goals of the educational programme "Ergotherapy" are fully consistent with the institutional strategy, the most important areas of which are:

- training of competitive and professionally competent healthcare professionals in popular specialties and specializations;
- transformation into a research university and its development as a leading center for translating new knowledge and innovations into healthcare practice and policy;
- development of the university as an integrated academic medical center operating on the basis of the trinity of education, science and practice;
- development of human resources and improvement of the system of management and financing of the university;
- development of infrastructure and material and technical base of the university.

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- development of human resources and improvement of the system of management and financing of the university;
- development of infrastructure and material and technical base of the university.

The medical school provides clear training outcomes (TO) for the EP "Ergotherapy". These are detailed in the self-assessment report and provided to the experts during the external visit.

Students have a real opportunity to participate in the organization of the curriculum of the specialty in the course of direct discussion and approval of work programmes and elective disciplines at meetings of the department, QAC, the academic committee of the Scientific Council. Thus, during the meetings of the Department of Rehabilitation and Sports Medicine (formerly the Department of Sports Medicine and Rehabilitation), student representation is guaranteed. Therefore, when developing the EP "Ergotherapy" in 2020, Kussainov Bauyrzhan, a resident of the 2nd year of study in the specialty "Sports Medicine", participated in the discussion at a meeting of the Department of Sports Medicine and Rehabilitation. In 2022, residents of the 2nd year of study in the specialty "Physical Medicine and Rehabilitation" Labunets A.A. and Shamelova A.M. and a student of the specialty "Ergotherapy" Tashimova D.G. took part. Students are regularly invited to QAC meetings and take part in the discussion of issues in the context of this specialty. The proposals and recommendations of the students are necessarily taken into account by the members of the QAC and taken into account when forming the final decision of the meeting. The decisive right in approving candidates from among the students who are part of the QAC is the staff of the school, while the determining criterion is the student's academic performance and active life position.

A significant role in the management and evaluation of the effectiveness of the educational programme, planning of working conditions is played by feedback from students, which allows you to focus more on the analysis of topical and complex professional issues and methods. Based on the opinion of students, elective disciplines are developed and put forward for students to choose, allowing them to dwell on topics of interest to students in more detail.

The personal development of students, their creative abilities and social competencies are formed throughout the entire period of study at NJSC "AMU".

Students are given the opportunity to further develop their intellectual potential, communication skills, creativity and self-realization. The creative potential of students is effectively developed when organizing independent cognitive activities in the learning process aimed at setting and solving specific educational problems, solving case problems, preparing reports for conferences, etc.

In the educational programme, the emphasis is on the formation of a holistic systemic view and flexible professional and personal competencies among graduates, which will allow the future graduate of the educational programme "Ergotherapy" to work successfully in the field of rehabilitation and habilitation, to have general and professional competencies in the use of occupational therapy techniques in the treatment of various diseases, as well as effectively interact with specialists in the field of medical rehabilitation as part of a multidisciplinary team. An individual trajectory, the possibility of studying in interdisciplinary and joint programmes in the best way is consistent with the professional plans and interests of students. During the development of the EP "Ergotherapy", students undergo internship: "Ergotherapy in the rehabilitation of children and adolescents" on the basis of the Unitary Enterprise based on the Right of Economic Management "City Polyclinic No. 5", "Ergotherapy in the rehabilitation of the elderly and senile" on the basis of the Multidisciplinary Regional Hospital No. 2, "Ergotherapy in inpatient practice" on the basis of the Unitary Enterprise based on the Right of Economic Management "City Hospital No. 1", "Ergotherapy in outpatient practice" on the basis of the Unitary Enterprise based on the Right of Economic Management "City Polyclinic No. 5", "Specialized Ergotherapy Assistance" on the basis of the Unitary Enterprise based on the Right of Economic Management "City Polyclinic No. 5", "Working as part of a multidisciplinary team" on the basis of the Unitary Enterprise based on the Right of Economic Management "City Polyclinic No. 5".

To approve the educational programme, the School submits the developed project of the EP with a review of the EP for discussion at the QAC EP no later than 9 months before the start of the academic year.

A review of the educational programme can be obtained from associations, national IOs, from the organization with the largest number of employed graduates of the university in the areas, from a representative of the academic community, who must be an expert in the development and implementation of the EP and have an academic degree and/or title, from an employer who must be a high-level specialist in the professional field to which the EP belongs.

After discussion at the QAC OP, the draft EP with an extract from the QAC EP is submitted for approval to the Committee of the Scientific Council on academic activities.

After being agreed upon by the Scientific Council Committee on Academic Activities, the EP is approved by the Scientific Council. After approval by the Scientific Council, for inclusion in the register of EP of the Ministry of Education and Science of the Republic of Kazakhstan, schools provide the Center for the Development of Academic Activities (CDAA) with paper and electronic versions of the EP with an extract from the meeting of the Scientific Council.

The above data confirms that the AMU has *a process and procedure for the development and approval of an educational programme according to qualifications in the European Higher Education Area (EQF)*. (ESG 1.2).

### **2.3 Content of the educational programme**

The structure and content of the educational programme provides an adequate foundation in basic biomedical and major (clinical) sciences in order to facilitate the teaching of students the fundamental principles of medicine, develop critical and clinical thinking skills, and use these principles and skills to provide competent care.

The educational programme ensures that all parts of the programme include relevant disciplines, as well as approaches for integrating programme components.

The path of forming a future specialist is multifaceted and begins with fundamental knowledge. According to the specifics of the specialty and the Working Curricula compiled on its basis, the EP includes the following biomedical sciences: anatomy, physiology, pathology, pathological physiology, pharmacology, which are integrated with clinical disciplines at various stages of the educational programme.

Biomedical knowledge is the theoretical basis of medicine, its philosophy, gives the key to understanding the processes leading to the development of diseases. The continuity and discreteness of teaching at any stage of the higher medical school necessarily includes the motivation for studying the problem. Today it is impossible to imagine medicine without modern technologies, however, the use of these technologies in practical healthcare is possible only if a specialist has deep knowledge of the basics of the body's vital activity. The achievement of this competence is aimed at revealing and understanding scientific concepts and methods in the field of basic biomedical sciences, which are fundamental for the acquisition of clinical scientific knowledge and application in the practice of specialists.

The content of the educational programme in all areas is sufficient to allow the student to achieve the intended outcomes of the educational programme and safely move on to the next stage of study or practice upon graduation, as well as continue education at the post-degree level.

The content of the work programmes and the catalog of elective disciplines reflected the needs of the healthcare system, including in Ergotherapy, as well as the specifics of research and scientific achievements of teachers. These include the following: participation in the international project "Preparing the country to join the International Classification of Functioning, Disability and Health (ICF), taking into account the age characteristics of children and adolescents", implemented by the AMU jointly with UNICEF, and the project implemented by the AMU jointly with United Nations Development Programme "National and international system of rehabilitation and habilitation of persons with disabilities with an emphasis on the activities of rehabilitation centers".

The department participates in the implementation of the roadmap within the framework of cooperation between NJSC “Astana Medical University” and “Phoenix” Rehabilitation Center” LLP for 2023–2026. For the successful implementation of the educational programme in the specialty "Ergotherapy", the organization has resources to organize the assessment of students' practical skills.

During the conversation, students are fully satisfied with the schedule of training sessions.

## **2.5 Clinical Sciences**

The cycle of major disciplines in the programme "Ergotherapy" was developed taking into account the achievements of clinical sciences in the field of medical rehabilitation and ergotherapy, which is a guarantee that students acquire sufficient knowledge, clinical and professional skills in order to take responsibility after graduation. Thus, the latest developments in the field of robotic rehabilitation are covered during the passage of the discipline "Mechanotherapy" (90 hours).

The staff of the Department of Rehabilitology and Sports Medicine had experience in testing the exoskeleton and at the moment the University concludes an agreement on the creation of a scientific and educational consortium with the “Phoenix” Rehabilitation Center” LLP for the practical implementation of scientific developments in rehabilitation on the basis of the University. All products of this consortium (exoskeletons, robotic gloves, biofeedback devices, and other technical means of rehabilitation), in addition to commercial purposes, will also be used in the educational process and will allow students to work out the skills of using rehabilitation equipment.

Employees of the Department of Rehabilitology and Sports Medicine are actively involved in the development of new methods of treatment and rehabilitation. So, associate professor Taitubayeva G.K. actively uses the method of botulinum therapy to reduce spasticity, which, in combination with kinesitherapy and ergotherapy, improves muscle tone and motor skills in patients. This method is used after functional testing of muscle tone in certain motor syndromes accompanied by hypertonicity. Students get acquainted with this technique in the disciplines "Ergotherapy in the rehabilitation and habilitation of children and adolescents", "Ergotherapy in neurological practice".

In the process of mastering the EP "Ergotherapy" when working with patients at the clinical bases of the University, students gain practical experience in promoting the health of the population, preventing diseases. Teachers control not only the high-quality mastering of ergotherapy skills by students, but also the ability of students to explain to patients and their relatives the importance of regular physical and ergotherapeutic exercises, the volume and nature of daily physical activity, proper nutrition, adherence to work and rest schedules and other rules of a healthy lifestyle.

Planning and organization of educational activities in the specialty "Ergotherapy" is carried out on the basis of a working curriculum that determines a certain amount of time for teaching the main clinical disciplines.

So according to the Working curricula of the specialty "Ergotherapy" "Psychology" 60/2 in the 1st year, "Propaedeutics of internal diseases" is taught in the 3rd year in the amount of 90 hours (3 credits), "Propaedeutics of childhood diseases" in the 3rd year 90 hours (3 credits), "General Surgery" 90/3 in the 3rd year, "Fundamentals of Internal Medicine" in the 4th year in the volume 90/3, "Fundamentals of Pediatrics" 90/3 in the 4th year, "Psychiatry and Mental Health, Narcology" 90 hours (3 credits) on the 4th course.

Using the right of academic freedom of the University and based on the analysis of quarterly statistical reports on the dynamics and causes of disability in the population of the Republic of Kazakhstan, as well as the analysis of diseases with temporary and permanent disability, the Working curricula of the discipline "Ergotherapy" instead of such clinical disciplines as general medical practice (family medicine), obstetrics and gynecology, includes the following: "Fundamentals of Traumatology and Orthopedics" 90/3 in the 4th year, "Fundamentals of Medical and Social Rehabilitation" 150/5 in the 3rd year, "Ergotherapy" 180/6 in the 3rd year, "Fundamentals of Neurology" 90/3 in the 4th year, "Medical Rehabilitation" 150/5 in the 4th year, "Fundamentals of Physical Medicine" 120/4 in the 4th year, "Therapeutic Physical Education" 120/4 in the 4th year, "Ergonomics and Life Skills" 90/3 on the 4th year, "Ergotherapy in the rehabilitation and habilitation of children and adolescents" 60/2 on the 4th year, "Rehabilitation in neurological practice" 60/2 on the 4th year, "Fundamentals of manual

therapy" 90/3 on the 4th year, "Ergotherapy in rehabilitation injuries and disorders of the musculoskeletal system" 60/2 in the 4th year, "Ergotherapist as part of a multidisciplinary team" 180/6 in the 4th year. These disciplines are major and will allow students to master the competencies required by an ergotherapist.

## **2.6 Scientific method**

The educational programme includes the scientific foundations and methodology of medical research (Organization and methods of scientific research in Ergotherapy, the number of credits is 3). When talking with students, the experts learned that they use scientific data in teaching and know the basics of evidence-based medicine.

During the student interviews, the commission established the need to identify mechanisms for the wide coverage of students in research work in order to develop research competence, critical and analytical thinking and ensure a greater number of participants in scientific student conferences at the university, republican levels and abroad.

## **2.9 Management of the educational programme**

The management of the educational process, reflected in the self-assessment report (**standard 2**) and the general approaches to management, were confirmed during a visit to the Registrar's Office department, a test center, a simulation center and a conversation with the head and employees.

Training of bachelors in the specialty "Ergotherapy" is aimed at meeting the needs of practical healthcare. An acute shortage of specialists in the field of medical rehabilitation prevents the maximum coverage of those in need of rehabilitation and the full provision of rehabilitation assistance to patients with protracted and chronic forms of diseases, as well as socially non-adapted persons. The prospects for further development of healthcare in the Republic of Kazakhstan largely depend on the professional level and quality of training of medical personnel, including specialists in medical rehabilitation. For this reason, NJSC "Astana Medical University", based on the analysis of international and domestic experience, developed an educational programme for a bachelor's degree in the specialty "Ergotherapy".

Therefore, this university is specialized in the field of rehabilitation, and provides a lot of opportunities and conditions for qualified training of specialists in "Ergotherapy".

## **2.10 Relationship with medical practice and the healthcare system**

Basic requirements for social and ethical competencies: knowledge of social and ethical values based on public opinion, traditions, customs, social norms and focus on them in their professional activities, compliance with business ethics, knowledge of the traditions and culture of the peoples of Kazakhstan, tolerance, knowledge of the basics of legal systems and legislation of Kazakhstan and trends in the social development of society, the ability to adequately navigate in various social situations, the ability to work in a team, correctly defend one's point of view, offer new solutions, the ability to find compromises, correlate one's opinion with the opinion of the team, the desire for professional and personal growth. To this end, the educational programmes and curricula necessarily include disciplines that implement the norms of the current legislation. These include Kazakh and Russian languages, a module of socio-political knowledge, physical culture, etc.

Advances in the behavioral and social sciences that provide the knowledge, concepts, methods, skills, and attitudes necessary to understand the social and economic, demographic, and cultural conditioning of the causes, distribution, and consequences of medical health problems are covered in the sociopolitical knowledge module. Already in the first year, students master the discipline: "Patient safety in the practice of an ergotherapist", which forms knowledge on the basic principles of patient safety in ergotherapy, the rights and obligations of medical personnel and patients in accordance with international standards, issues of medical ethics and deontology. When passing the discipline: "Organizational bases in the work of an ergotherapist", students gain knowledge about the national healthcare system, the basic organizational principles in the work of a specialist in outpatient, inpatient, sanatorium and resort institutions and at home, the rights and obligations of medical personnel and patients, work of ergotherapists under the conditions of the guaranteed volume of free



medical care and Compulsory Social Health Insurance. Ethical issues are also systematically covered in clinical disciplines.

*Student Tashimova D.G. noted a wide choice of clinics for practice, as well as the flexibility in choosing the time frame for training. Even after the end of the official practice period, practice leaders accept students as volunteers if they need additional professional practice. Teachers contribute to networking in a multidisciplinary team, regular rotation of the place of practice, and consultation on specific clinical cases.*

**EEC conclusions by criteria.** Compliant with 36 standards (including 30 basic; 6 improvement standards): fully - 34, partially - 2, not compliant - 0.

**Standard 2: implemented**

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

- 1) To define mechanisms for wide coverage of students with research work in order to develop research competence, critical and analytical thinking and provide more participants in scientific student conferences at the university, republican levels and abroad.

### **Standard 3: STUDENT EVALUATION**

#### **Evidence of Compliance:**

##### **3.1 Evaluation policy and system**

Evaluation of educational achievements of students in NJSC "AMU" is carried out using criteria, regulations and procedures developed in accordance with the goals and objectives for the implementation of educational programmes and qualifications awarded within the current rating system and control of the educational process in accordance with directive, regulatory and internal documents.

The final assessment of educational achievements of students in the discipline/module includes admission rating evaluation and final control evaluation. When calculating the final score, the weight share of each component is taken into account: the admission rating evaluation is 60%, the final control evaluation is 40%.

The academic policy determines the order of organization of education at the University for programmes of higher and postgraduate education. The document includes a policy in the field of quality assurance, rules for the admission of applicants, internal regulations for students, a rating system for assessing students' educational achievements, the end-of-course assessment of students, rules for organizing and conducting repeated visits to students' classes, as well as other requirements for the educational process.

The form of conducting the current, midterm and summative assessment is established by the department depending on the specifics of the discipline, which is subsequently approved by the Scientific Council. The assessment of educational achievements of students at the University is carried out in order to determine the degree of mastery of the study programmes and the state compulsory standard of higher education by students.

The educational achievements of students in all forms of control are evaluated on a 100-point scale for each completed task.

Graduate students of all levels of education, in case of receiving an unsatisfactory grade at the first retake, have the right to retake it on a paid basis no later than 2 (two) weeks before the start of the final state attestation.

<https://drive.google.com/drive/folders/1mF2FDHtbRmym6R7iA13fG0HrqKfEsTy> .

##### **3.3 Decision-supporting assessment (summative assessment)**

An assessment of educational achievements of students is carried out by various forms of control (current, midterm and end-of-course) and attestation, determined independently by the departments, approved by the Scientific Council.

The educational achievements of students in all forms of control are evaluated on a 100-point scale for each completed task. Current control of students' progress - a systematic test of knowledge of students in accordance with the curriculum, conducted by the teacher in the classroom and extracurricular classes during the academic period. In accordance with the Academic policy of the university for 2022-2023, a formative assessment of the current progress of students is carried out by a teacher based on the results of midterm assessment, including questions of practical classes, independent work of student with teacher and independent work of student.

Types of current control are developed by the department taking into account the specifics of the discipline and are prescribed in the syllabus. Criteria for evaluating current control are developed by the department in accordance with the criteria for evaluating PRLS (point-rating letter system), taking into account the specifics of the discipline, and are written in a syllabus.

Assessments of midterm control are put by the teacher in the pedagogical and electronic grade record books immediately after the control is carried out and brought to the attention of students. Skills assessment is conducted at the University or assessment organization using the facilities of simulation centers, clinical bases, examiners, standardized and/or real patients.

When passing the graduate skills assessment, an audio and video recording of the assessment is provided. Recordings are archived and stored for at least 30 calendar days from the date of the assessment.

### **3.4 Quality control**

NJSC "AMU" uses the principles, methods and practices of assessment that promote integrated learning and involvement in practical work, the achievement of learning outcomes that provide interprofessional learning. The use of extenuating circumstances in the assessment rules, if any, is clearly defined in the quality assurance policy. In case of absenteeism due to illness during the training, the rating score is retained.

An open point-rating system for assessing knowledge and the formation of students' competencies has been introduced. This system is used to stimulate the systematic work of students, differentiate the assessment of knowledge, as well as increase the objectivity and reliability of assessing the level of students' preparation. Monitoring the development of educational programmes is carried out using the automated information system of the university "Platonus", which is designed to record and analyze the progress of students. Admission to the summative assessment (exam) is carried out based on the assessments of the current control of progress, the results of which determine the assessment of the admission rating for specific disciplines. At the University, for feedback with teachers and students, the rector's blog is used, on which the teaching staff and students receive answers to their questions on the conditions for the implementation of the EP.

The assessment of skills is carried out according to the assessment sheet in the AIS (assessment information system). The threshold point is set by the assessment organization in agreement with the educational and methodological associations. The results of the skills assessment are provided on the day of the skills assessment. The final results of the assessment of skills, taking into account the appeal, are provided after the completion of the work of the appeal commission no later than 2 days from the date of filing the application for appeal.

The result of the FSA of graduates is summed up from the scores of the two stages and is displayed as an arithmetic mean.

In the event of the occurrence of circumstances classified by the legislation of the Republic of Kazakhstan as force majeure, the assessment of graduates is provided using online remote technologies.

Students who receive an unsatisfactory assessment following the results of attestation are expelled from the University by order of the Chairperson of the Board-Rector with the issuance of a certificate issued to students who have not completed their education.

Students who have passed the end-of-course assessment and confirmed the assimilation of the relevant professional curriculum of higher education, by the decision of the STATE ATTESTATION

COMMISSION, are awarded the academic degree "Bachelor of Healthcare" in the educational programme "Ergotherapy".

Upon completion of the discipline, the student provides feedback on the satisfaction and quality of the displayed educational services.

For the period from November 1 to December 31, 2022, the questionnaire was answered 10 times (of which -4 in November, 6 in December).

The department surveyed students enrolled in the educational programme "ergotherapy". The "department through the eyes of students" was evaluated. In the assessment, teachers received an average of 9.5 to 10 points. (Zhukov D.Yu. - Fundamentals of therapeutic massage, Burumbayeva R.K. - Ergonomics and life skills, PP ergotherapy in the rehabilitation of neurological patients).

Based on the results of the survey, it was proposed to discuss with students the topics of electives, the possibility of internships on an individual basis and inform the School about the opinion of students. The results of the survey were taken out and discussed, and approved at the meeting of the department No. 6 dated 27.01.2023.

Thus, compliance with standard 3 is established.

*EEC conclusions by criteria* compliant with 13 standards: fully - 13.

*Standard 3: implemented*

## **Standard 4: STUDENTS**

### **Evidence of Compliance:**

#### **4.1 Student selection and admission policy**

The admissions committee of the university is responsible for the student selection policy. On the basis of the Standard Rules, the admissions committee annually draws up the Rules for admission to study at NJSC "AMU", which are discussed at a meeting of the admissions committee and approved by the decision of the University Board. Admission of persons entering the university is carried out by placing a state educational grant of higher education at the expense of the republican budget or the local budget, as well as paying for tuition at the expense of the student's own funds and other sources. Reception of citizens is carried out according to their applications on a competitive basis in accordance with the points of the certificate issued on the basis of the results of the UNT.

The main requirement for participation in the competition is the minimum threshold level of points obtained in the UNT.

During the year, work is carried out on the professional orientation of young people. Various forms and methods of agitation and career guidance work are used. An advertising and information materials, booklets are developed and published; "Open Days" are organized; information stands of the admissions committee are being created; materials are published in the mass media (radio, television and print), visits to schools, lyceums, and medical colleges are organized.

The student admission policy at NJSC "AMU" complies with the legislation of the Republic of Kazakhstan. In order to meet the needs of the population and society as a whole, the Government of the Republic of Kazakhstan annually allocates grants for medical specialties. Every year, the Ministry of Healthcare of the Republic of Kazakhstan, which is responsible for planning and developing human resources in the healthcare sector, preliminarily sets the number of accepted students for medical universities. In turn, the university submits for approval to the Ministry of Healthcare of the Republic of Kazakhstan an application for the number of accepted students in relation to the material, technical and educational potential.

Direct activity on the recruitment of students is carried out by the department of work with students. The work of the admissions committee is regulated by the document "Regulations on the work of the admissions committee of NJSC "AMU".

The volume of new admission is formed based on the needs of the labor market. The annual need is determined in accordance with the internal document of the KP "Management of the marketing

process of basic services". This forecast is based on data from a survey and monitoring of employers. Based on the analysis of employers' data, the need for the accepted contingent is formed.

Taking into account the need for practical healthcare specialists, the material, technical and educational and methodological capabilities of the University, a state order for personnel training is being formed. The number of applicants for a paid form of education is determined directly at the university.

When planning the admission of new students, such criteria as the area of educational and laboratory premises, teaching staff, book supply, throughput capacity of the University's clinical bases, the availability of social and living conditions for training and living of students are taken into account. Career guidance counseling is aimed at developing stable preferences among applicants in choosing a profession and high motivation for the development of knowledge and competencies based on higher medical education. Schoolchildren, potential applicants are provided with information opportunities to choose their future profession by getting to know the university, its Schools, departments, visiting meetings of department teachers with graduates of schools from different regions of our country are organized. Various forms and methods of agitation and career guidance counseling are used. An advertising and information materials, booklets are developed and published; "Open Days" are organized; information stands of the admissions committee are being created; materials are published in the mass media (radio, television and print), visits to schools, lyceums, and medical colleges are organized.

Admission of citizens to NJSC "AMU" is carried out based on the applications from citizens on a competitive basis in accordance with the awarded educational grants in the context of the language of instruction based on certificate points based on the results of a unified national testing or complex testing.

Zhil kibayeva Karlygash Tulegenovna, the head of the admissions committee, spoke about the student admission policy. The transfer and restoration of students at the university is carried out on the basis of the current regulatory documents: 1. Decree of the Government of the Republic of Kazakhstan dated January 20, 2015 No. 19 "Rules for the transfer and restoration of students by type of educational organization"; 2. Academic policy P-MUA-.110.20/-2019. Thus, the experts validated the data according to **standard 4**.

Student population: 4 years (no students), in an accelerated course

2.6 - 3 students, 10 months (no students). The training contingent of ergotherapists are students with practical work experience. So all students in the EP "Ergotherapy" have more than 5 years of work experience in practical healthcare.

#### **4.2 Student counseling and support**

The university has a policy of balanced enrollment of students, taking into account their gender, ethnicity and other social requirements. All of the above allows you to meet social obligations and needs in the field of public health.

The University conducts systematic work on social support for students from a socially vulnerable category (orphans, legally free children, students from large families, the disabled and the loss of a breadwinner). Guided by the Decree of the Government of the Republic of Kazakhstan dated March 12, 2012 No. 320 "On approval of the size, sources, types and Rules for the provision of social assistance to citizens who are provided with social assistance", NJSC "AMU" provides social support for students-orphans, legally free children and graduates of orphanages during their education. This category of students is allocated: money for food, money for uniforms (clothes, shoes, bedding), one-time free meals in the university canteens (complex meal), organization and issuance of monthly travel tickets.

Student support services have been established at the University. The university has an admissions committee, psychologists, a registrar office, e-University, a youth affairs center, student government, an institute of curators, a legal service, a library, a "campus", a center for planning, organizing and controlling the educational process, a center for international cooperation and academic

mobility, center for work with foreign students. All these support services are structural divisions of the university and have their own regulatory documentation when working with students.

Regarding the practice of academic counseling, personal support for students and the development of not only professional skills, the experts interviewed Kabdulina Gulzhan, head of the Practice and Employment Center. The experts asked questions about professional orientation work for the professional transformation of a specialist of another profession into an ergotherapist. Kabdulina G.B. answered that all students are already working in this field.

A graduate who has successfully passed the end-of-course assessment for the development of a professional curriculum of higher education is awarded the academic degree "Bachelor of Healthcare in the educational programme "Ergotherapy". A bachelor graduate has the right to continue further studies in a master's programme, which *corresponds to qualifications in the European Higher Education Area (EQF)*. (ESG 1.4).

*EEC conclusions by criteria.* Compliant with 15 standards: fully - 15.

*Standard 4: implemented*

## **Standard 5: ACADEMIC STAFF**

### **Evidence of Compliance:**

#### **5.1 Academic staff forming policy**

For the successful implementation of the educational programme 6B10114 "Ergotherapy" there is an academic staff based on the developed personnel policy of the university.

The programme is implemented by highly qualified teaching staff.

The number and composition of the academic staff is determined by the curriculum and the number of groups formed in accordance with the approved norm for NJSC "AMU" of group occupancy. Every year, the university holds a competition among the teaching staff to fill positions with the participation of newly hired and teachers declared for vacant positions. The main document for the competition is the internal regulatory document "Rules for the competitive replacement of positions of teaching staff and researchers."

Important regulatory documents that establish the guarantee of labor rights and freedoms of employees, the creation of favorable working conditions for them, are collective and labor contracts, the Internal Labor Regulations for employees and the Internal Regulations for Students, which comply with the Labor Code of the Republic of Kazakhstan and take into account the specifics of the functioning of a joint-stock company (Rules of substitution vacancies).

The work to improve the qualifications of the teaching staff is organized by the Center for the Transfer of Educational Technologies, for administrative and managerial personnel by the HR service.

The main resource of the educational process is teachers, therefore, the human resources potential, the teaching staff of the departments must meet the qualification requirements, have full knowledge and possess modern teaching methods, the necessary skills and experience for the effective transfer of knowledge to students during the educational process. The main requirements for teaching staff who conduct classes as a full-time teacher or carry out part-time activities are: the presence of an academic degree, academic title, specialized education, professional experience, as well as published scientific works in the field of rehabilitation. At the same time, knowledge of languages is taken into account and preference is given to multilingual teachers with knowledge of the state, Russian and English languages.

The number of teaching staff involved in the implementation of the programme is determined by the number of groups, the established level of academic load. The distribution of the working teaching load is carried out by the Center for the Development of Academic Activities, which forms the teaching load of the departments, according to which the staffing table is drawn up.

NAO AMU adheres to the policy of equality and there are no distinctions between gender, nationality, religion and language.

Hiring, promotion, incentives, dismissals, familiarization of staff with the rights and responsibilities are carried out by HR. Admission to teaching positions and selection for vacant positions at the university is carried out in accordance with the requirements of the order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 23, 2015 No. 230 "On approval of the Rules for the competitive replacement of positions of professors and teachers and researchers of higher educational institutions".

There are 39 employees in total, of which 14 are full-time teachers, 25 - part-time. The experts are familiarized with the personnel policy of the university, which is aimed at developing and supporting the potential of teachers by encouraging the contribution of teaching staff to their achievements in educational, scientific and clinical activities in accordance with the Regulation "On the rating of educational, scientific and clinical activities of the teaching staff" approved by the Decision of the Board No. 26 dated November 22, 2019.

In order to verify the data of standard 5, external experts received the opinion of teachers on personnel policy. Conversation with Letuta Pavel Alexandrovich (the head of the rector's office) and Zikenov Igor Irsainovich included such issues as personnel policy, criteria for the selection and set of teaching staff, the programme for the development and motivation of the teaching staff, the feedback from students in the quality of teaching and allowed experts to find out about the information security of the educational programme, and also determine the problems of managing and developing human resources, since the number of part-time people (25) exceeds the number of compounders (25) full-time teachers (14).

*When questioning teachers, it was found that the majority (81.48%) are completely satisfied with the organization of labor and workplace in this educational institution, but 14.81% are partially satisfied. In this organization of education, teachers have the opportunity to engage in scientific work and publish the results of research - 92.59% fully agree, 3.7% partially. Satisfied with the work of the HR service (personnel) - 70.37% fully agree, 22.22% partially. Satisfied with wages - 11.11% fully agree, 37.04% partially.*

## **5.2 Academic activity and professional ethics of teachers**

The university has developed a code of academic integrity. <https://drive.google.com/drive/folders/1tBdPocgM1HeXUmWlcNbXBCn9z-A2O2k3>

The teachers of the department observe the principles of academic honesty as in the traditional, distance and mixed form of student education. Standards of ethical behavior and copyright protection are observed. Members of the department freely express their opinions and ideas. In order to avoid plagiarism, all scientific articles, methodological manuals, dissertations are tested to determine the degree of originality of the work, including through specialized and information systems.

The teaching staff of the department regularly undergo advanced training, in particular, periodically undergo training in the basics of GCP for research work. Teachers who have issued monographs are assigned an author's mark, copyrights and patents are issued, in the case of a collective patent, an author's certificate is issued. The teaching staff publish the results of their research in the "Astana Medical Journals" of the University, which is included in the list of recommended publications of the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan (CCES). In order to improve the quality of knowledge in the field of their professional competence, teachers in the library are provided with access to information resources and databases, the costs of which are compensated by the University and the Ministry of Education and Science of the Republic of Kazakhstan.

Teachers are systematically informed through the University's corporate website and personal e-mail about grant competitions within the country and abroad, as well as about ongoing conferences in the field, about journals indexed by Thomson Reuters, which accept quality articles free of charge, where they can publish the results of their research, both in educational and scientific activities. Since 2010, training seminars on the management of scientific research for the teaching staff of the university have been held annually.

The personnel policy of NAO AMU is aimed at developing and supporting the potential of

teachers by encouraging the contribution of teaching staff to their achievements in educational, scientific and clinical activities in accordance with the Regulations "On the rating of educational, scientific and clinical activities of the teaching staff" approved by the Decision of the Board No. 26 dated November 22, 2019.

### **5.3 Continuous professional development of academic staff**

In the period from April 11 to April 19, 2020, teachers of major departments completed a distance course on the topic "Ergotherapist as part of a multidisciplinary team (MIA)", volume of 72 hours, organized by the All-Russian Public Organization "National Association of Neurorehabilitologists" (Moscow). The author of the programme is Associate Professor of the Department of Psychological and Pedagogical Disciplines of the Institute of Defectology and Medical Psychology Shevtsova Yelena Yevgeniyevna. 7 people were trained.

Thus, the participation of teachers in advanced training programmes is reflected in the individual reports and plans of the teaching staff, monitored internally by the departmental control, HR management, and the center for the transfer of educational and distance technologies.

In order to verify the data of standard 5, at a meeting with the head of the personnel department and during interviews with teachers, experts received an opinion on approaches to the development of pedagogical competence of teachers.

Encouragement of teachers and departments that have fulfilled the established KPIs will be carried out through the implementation of the task of the Operational Plan of NJSC "AMU" "Formation of an effective system of motivation and retention of employees based on the introduction of differentiated wages, a system of additional payments and incentives for achieving KPIs."

Experts found that teachers initiate research topics for students, stimulate the need for additional training and independent work with literature.

*There is an opportunity for career growth and development of teacher competencies at the university - 88.89% of the surveyed teachers answered, and 7.41% partially agree with this. 62.96% studied at professional development programmes during this year, 14.81% more than 5 years ago and 7.41% answered "I don't remember when it was".*

*The university implements social support programmes for teachers - 62.96% answered that "yes, such programmes exist", 3.7% "I have already used it", 3.7% of respondents answered that there are no such programmes, and 22.22% of respondents do not know about it.*

**EEC conclusions by criteria.** Compliant with 8 standards: fully - 8.  
**Standard 5: implemented**

## **Standard 6: EDUCATIONAL RESOURCES**

### **Evidence of Compliance:**

#### **6.1 Material and technical base for teaching and learning**

To ensure adequate implementation of the educational programme 6B10114 Ergotherapy, the university has various types of technical resources: installations, stands, computer equipment, information resources - the library fund, software and information technologies.

All technical types of resources are actively involved in the educational process of the university. When developing and updating the teaching materials, an analysis is made of the compliance with the provision of disciplines with the necessary material and technical resources, literature, and the profile of departments of clinical bases. In accordance with the analysis carried out, a work plan is drawn up for each unit, taking into account the identified needs and shortcomings. The general management for monitoring the educational resources of the university for the compliance and quality of clinical training of educational programmes is entrusted to the Schools and QAC.

The university conducts internal audit on an ongoing basis, there is a commission to check the activities of the departments, the results of which are discussed at the Scientific Council of the university. External evaluation of the material and technical base for clinical training is carried out by members of the commissions for state certification, final state certification, post-licensing control of



the Ministry of Education and Science of the Republic of Kazakhstan, commissions of the Ministry of Healthcare of the Republic of Kazakhstan.

The University checks the adequacy of educational resources to ensure the high-quality implementation of the educational process and other types of statutory activities, educational work plans, educational and methodological and research work plans and other documentation through monitoring, internal and external audits. Feedback mechanisms with students and teachers on the availability and condition of the material and technical base include annual reports and certificates of readiness for the academic semester of departments and other structural units of the university, SAC reports, questioning of students and teachers, applications from departments for the acquisition and/or repair of technical resources.

Based on the results of internal and external audits, comments of the attestation and post-licensing commissions on the compliance of the material and technical base with the educational process, the university management develops and implements an action plan to eliminate the identified shortcomings.

## **6.2 Resources for clinical training**

The University has the necessary resources to acquire practical clinical experience for students of the 6B10114 Ergotherapy programme. The clinical bases of the University are medical and preventive organizations subordinate to the State Institution "Public Healthcare Department of Astana" and the Local Administration of Astana city, as well as Republican centers, research institutes, clinics subordinate to the Ministry of Healthcare, the Ministry of Internal Affairs, the Ministry of Defense of the Republic of Kazakhstan, according to the List of Clinical Bases, approved by order of the Minister of Healthcare and Social Development of the Republic of Kazakhstan dated January 30, 2015 under No. 51. All teaching staff of clinical departments perform medical and advisory work within the limits of the therapeutic load of scientific and pedagogical workers of the departments in accordance with Order No. 628 of the Ministry of Healthcare of the Republic of Kazakhstan dated 11.09.2012 "On approval of the "Regulations on clinical bases of medical educational organizations".

In order to improve the quality of training, the university concludes a contract for the passage of professional internship by students with the city clinics, in accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan dated January 28, 2016 under No. 93 On approval of the forms of a standard contract for the provision of educational services and a standard contract for professional internship, according to the curriculum - in 2018-19 there are 8 contracts, in 2019-2020 there are 4 contracts, in 2022-2023 there are 4 the contracts .

To date, the Department of Rehabilitation and Sports Medicine of NAO AMU has the following clinical bases:

- Research Institute of Traumatology and Orthopedics
- Multidisciplinary Regional Hospital No. 2, Astana
- Center of Dr. Bubnovsky, Astana
- Unitary Enterprise based on the Right of Economic Management "City polyclinic No. 5"
- Unitary Enterprise based on the Right of Economic Management No. 4 of Astana
- LLP "Center of Doctor Labunets"
- 13 polyclinic of Astana
- National Center for Children's Rehabilitation of Astana
- "MB Clinic"
- Sports and rehabilitation center "Atlant"
- Private Charity Fund "Adal Niet Astana"
- "Health Nation"
- Hospital of the Administration of the President of the Republic of Kazakhstan
- Multidisciplinary city hospital No. 1
- Kindergarten "Karim"
- Main military clinical hospital of the Ministry of Defense of the Republic of Kazakhstan



For the implementation of ergotherapy, where rehabilitation methods are practiced: physical exercises for therapeutic purposes, a rehabilitation programme is selected and methods for restoring the body are practiced, taking into account injuries and consequences. An ergotherapist in these rehabilitation centers determines the focus of the problem and draws up a programme for treatment based on special physical exercises. Officially, these are the same physical therapy physicians, chiropractors or massage therapists. Due to the metropolitan location, all clinical bases are equipped with modern equipment and specialists have sufficient knowledge to teach students modern methods and ways of treatment.

The medical school is adapting and improving resources for clinical training to meet the needs of the healthcare population. On clinical bases: - there is 50% of the workload of the physician of the corresponding EP, - for associate professors and assistants of departments/courses/modules; - no more than 30 hours per month of advisory work, - for heads of departments/courses/modules and professors. Every year, employees of the Department of Rehabilitology and Sports Medicine of NJSC "AMU" provide medical and advisory assistance to more than 60 thousand patients, provide medical rehabilitation of the consequences of injuries, endoprosthetics of the musculoskeletal system, cardiovascular conditions after revascularization, after a stroke and neurosurgical pathology, as well as special children.

At the clinical bases, master classes and school-seminars are held for physicians of clinics, schools of patients, and consultative assistance is provided to physicians during rehabilitation activities. The teaching staff of clinical departments is involved as experts for the participation of various working groups. Thus, employees of the Department of Rehabilitation and Sports Medicine are members of the examination and appeal commissions for assessing professional preparedness and confirming the qualifications of healthcare professionals, developing clinical protocols, as coordinators of Roadmaps in priority areas, etc.

Employees of the department are members of professional associations. For example, Bulekbayeva Sh.A. is the President of the Association of Rehabilitologists and Balneologists of the Republic of Kazakhstan, teacher of the department Zhanaspayeva G.A. is the main freelance rehabilitologist of the Republic of Kazakhstan, and Dzhussupova L.A. - chief freelance rehabilitation specialist in Astana.

The department is headed by Doctor of Medical Sciences, Professor Slivkina Natalya Vladimirovna, there are 3 associate professors as part of the staff.

Over 65% of the main staff of the teaching staff of clinical departments are specialists of the highest and first category. The main staff of the teaching staff of the department is 16 people, the remaining 24 are part-time workers from practical healthcare.

In order to provide students with sufficient clinical experience, NJSC "AMU" introduced the Model of Medical Education into the educational process based on the principles of competence-based learning. The development and implementation of the principle of the trinity of "education-science-practice", the implementation of the programme "Learning through research", strengthening the research role of the university at the national and international levels are provided with an appropriate resource base.

NJSC "AMU" interacts with the healthcare sector to implement an educational programme in the field of ensuring the acquisition of skills, early contact of students with patients and the acquisition of sufficient clinical knowledge and ergotherapy skills by them at an early stage of training, to provide reliable methods for assessing the clinical skills of students.

During a visit to clinical bases experts conducted a survey of resources, their compliance with the training programme, accessibility for teachers and residents, how modern this equipment is and meets the needs of students and practical healthcare. The experts obtained evidence of the implementation of **standard 6**, as well as validation of the information in the self-assessment report.

### **6.3 Medical research and scientific advances**

The research activity of NJSC "AMU" meets the ultimate goals of the successful implementation of the educational programme "Ergotherapy" using the material and technical base, information resources and technologies, resources for research activities in the field of ergotherapy.

As part of the implementation of the educational programme "Ergotherapy", the University has a sufficient material and technical base to ensure all types of disciplinary and interdisciplinary training, practical and research work of students, provided for by the curriculum of the university, classrooms equipped with modern computers and appropriate software for teaching.

The research activity of NJSC "AMU" meets the ultimate goals of training ergotherapy specialists, is included in the unified educational, scientific complex of the University and is the initial step in the implementation of the state programme in the field of science. The subject of scientific research is inextricably linked with the educational process. As a rule, the subject of scientific research is of an applied nature, focused on the subsequent professional (industrial or scientific) activity of an ergotherapist and solves its specific problems: identify existing disorders, restore or develop a person's functional capabilities that are necessary in everyday life (activity); help a person with disabilities become as independent as possible in everyday life by restoring (development) lost functions, using special devices, and adapting the environment; create optimal conditions for the development and self-realization of a person with disabilities through his/her "employment" in various spheres of life and, ultimately, improve his/her quality of life. To participate in research activities, students are attracted who wish to engage in scientific research and successfully complete the curriculum, who have shown the skills of research, experimental and analytical activities.

The number of research and innovation projects, including international ones (in which the department participates) per 1 staff unit of teaching staff and researchers:

1. "Preparation of the country to join the International Classification of Functioning, Disability and Health (ICF), taking into account the age characteristics of children and adolescents. (Project of Unicef and NJSC AMU) (Slivkina N.V., Omarova A.B., Khaldenova A.T., Bulekbaeva Sh.A., Balgaeva M.S., Taitubaeva G.K.).

2. "Development of the system of social and vocational rehabilitation in the system of social protection of the population in 2022-2023. (United Nations Development Programme and AMU project) (Slivkina N.V., Omarova A.B., Khaldenova A.T., Taitubayeva G.Kh.).

3. Participation in a scientific project to train specialists in medical and social expertise from November 7, 2022 to December 20, 2022 (by order of the Ministry of Labor and Social Protection of the Population of the Republic of Kazakhstan) (Omarova A.B., Khaldenova A.T.).

4. Approbation of the exoskeleton (Slivkina N.V., Taitubayeva G.K., Zhukov D.Yu.)

5. Slivkina N.V. Member of the local ethical commission

The subject of scientific research is inextricably linked with the educational process. The subject of scientific research is applied in nature, focused on the subsequent professional (industrial or scientific) activity of an ergotherapist and solves its specific problems: identify existing disorders, restore or develop a person's functional capabilities that are necessary in everyday life (activity); help a person with disabilities become as independent as possible in everyday life by restoring (development) lost functions, using special devices, and adapting the environment; create optimal conditions for the development and self-realization of a person with disabilities through his/her "employment" in various spheres of life and, ultimately, improve his/her quality of life.

To participate in research activities, students are attracted who wish to engage in scientific research and successfully complete the curriculum, who have shown the skills of research, experimental and analytical activities.

The School of "Young Scientists" was organized at the department, where students and residents of the Department of Rehabilitology and Sports Medicine of NJSC "Astana Medical University" take an active part in various scientific fields. The scientific adviser is Ph.D. Professor Slivkina N.V.

The School of "Young Scientists" held scientific conferences on the topic "On some aspects of the rehabilitation of patients who have undergone Covid-19 in round-the-clock and day hospitals.

According to the results of the “School of Young Scientists” competition, which was held at the International Scientific and Practical Conference “Medical Rehabilitation: Priority Areas in Diagnostics, Therapy and Prevention”, 2nd year resident Kurban Zhandos was awarded a 1st degree diploma.

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

*Experts found that teachers initiate research topics for students, stimulate the need for additional training and independent work with literature. Questions were asked about the main scientific directions of the university, the contribution of the department to the development of the scientific direction of the university, methods of motivating students to conduct research.*

#### **6.4 Information resources**

The university library is located on 3 floors (53 buildings) of the university, the occupied area is 2269.3 sq.m., of which the storage area is 1452.3 sq.m., reading rooms – 817 sq.m. for 203 seats.

8 service points are provided to users.

There are 9,415 readers registered in the library, the annual visit is 88,416 (for the half year of the 2022-2023 academic year - 22,229), the book lending for the year is 116,224 copies. (for half a year - 58,112).

To date, the volume of the book fund of the library is 57,308 titles, 485,226 copies of educational, educational-methodical and scientific literature, including in the Kazakh language - 132,429 copies, in Russian - 326,727 copies, in English - 26,070 copies.

The educational fund is formed in accordance with the profile of the university,

The requirements of the Ministry of Science and Higher Education of the Republic of Kazakhstan and constitutes the necessary share of the total fund: educational and educational and methodical literature - 362,519 copies (67%); scientific literature - 122,707 copies (25.2%).

The fund of periodicals is 9717 copies, the fund on electronic media (electronic textbooks) is 10,292 copies.

The library annually, based on the applications from departments and structural divisions of the university, updates and replenishes the library fund with new publications at the expense of allocated financial resources: in 2021, 5083 copies were purchased, including 2375 copies in Kazakh, 2300 copies in Russian, 408 copies in English; in 2022, 1840 copies were purchased, including 614 copies in Kazakh, 1144 copies in Russian, and 82 copies in English.

The volume of the book fund for the EP "6B10115-Ergotherapy" is 18,361 copies, of which textbooks and educational literature - 14,046 copies. scientific literature - 4315 copies, including 9789 copies in Kazakh, 7356 copies in Russian and in English - 1216 copies.

In order to support the mission of the educational programme, the library expands information opportunities to meet the needs of readers. Providing users with access to their own and subscription databases - under a national license to international full-text resources:

- The Web of Science (Clarivate Analytics) - <https://www.webofscience.com/wos/woscc/basic-search>
- Scopus (Elsevier)- <https://www.scopus.com>– <https://www.elsevier.com>
- ScienceDirect (Elsevier)- <https://www.sciencedirect.com/>
- Springer – <https://www.springer.com>
- EBSCOhostCinal- <https://web.p.ebscohost.com>
- Cochrane Library -<https://www.cochranelibrary.com/>
- Clinical Key - <https://www.clinicalkey.com/student>
- Complete anatomy - <https://3d4medical.com/>
- Jaypee digital- <https://www.jaypeedigital.com/>
- «Aknurpress»- <https://aknurpress.kz/>
- «IPRSmart» - <https://www.iprbookshop.ru/5858>

From November 2022 test access to the electronic library system (ELS) has been opened.

Business media Polpred.com. Media review (<https://elib.amu.kz/ru/elektronnye-resursy/podpisnye-bazy-dannyh/>)

The library website <https://elib.amu.kz/> provides a single point of access to electronic information resources, distributed electronic catalog <https://elib.amu.kz/ru/lib/> , electronic library, remote access database resources (<https://elib.amu.kz/elektronnye-resursy/podpisnye-bazy-dannyh/>), online services (online orders, EDD, online maintenance, UDC, LBC), news feed and other services in two languages. The structure of the site provides convenient and accessible navigation through the library's online information resources. The search for information in the electronic catalog of the library can also be carried out from remote computers and mobile devices connected to the Internet.

*The experts concluded that there is a need to expand access to evidence-based, practical databases, in particular to subject-specific databases (for example, sources of evidence-based ergotherapy) and to widely introduce innovative teaching methods using audiovisual platforms to simulate the prescription of ergotherapy activities and therapeutic exercises.*

## **6.6 Exchange in education**

Cooperation at the national and international levels with other educational organizations, including the mobility of students and academic and administrative staff, researchers of the University is one of the strategic directions of NJSC "AMU". The university implements internationalization initiatives in four directions: science, education, clinic and management with all groups of foreign participants.

NJSC "AMU" cooperates with more than 63 leading foreign universities, clinics, hospitals on the basis of concluded memorandums of understanding, contracts, agreements on international cooperation, the number of which is increasing every year.

To ensure the academic mobility of students and the recognition of educational programmes (all levels and forms of higher and postgraduate education) in the European educational space, it is necessary to offset Kazakhstani credits into ECTS credits. The European system of transfer and accumulation of credits (ECTS) compares and credits the academic disciplines mastered by students (with credits and grades) when changing the educational trajectory, educational institution and country of study. Academic credit within ECTS measures the complexity of studying a discipline, both in the classroom and during independent work. One ECTS credit is equal to 25-30 academic hours.

To ensure academic mobility, the student studies separate disciplines in other educational institutions, including abroad. At the same time, the head of the educational organization determines the upper limit of the number of credits for studying in other educational organizations. In the case of studying separate disciplines in educational organizations of the Republic of Kazakhstan, a bilateral agreement is concluded between educational organizations. In the case of studying separate disciplines in other educational organizations, after passing the midterm assessment for the discipline, the student submits an examination record list (or transcript) at the School (department) of his/her educational organization indicating the grades for the exam, the final grade for the discipline and the number of credits mastered. The procedure for transferring educational credits is carried out on the basis of the Order of the Minister of Education and Science of the Republic of Kazakhstan "Rules for organizing the educational process on credit technology of education" under No. 152 dated April 20, 2011.

During the interview, the students raised the issue of the need to carry out intra-country and foreign mobility of students, academic and administrative staff for the internationalization of education, the exchange of experience, the introduction of best practices and the acquisition of broader and alternative knowledge by students in the specialty.

**EEC conclusions by criteria.** Compliant with 18 standards: fully - 15, partially - 3, not compliant - 0

**Standard 6: implemented**

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

- 1) To provide students with access to online resources, platforms dedicated to ergotherapy for students to receive up-to-date information in their specialty.

- 2) To actively carry out intra-country and foreign mobility of students, academic and administrative staff for the internationalization of education, the exchange of experience, the introduction of best practices and the acquisition of broader and alternative knowledge by students in the specialty.

## **Standard 7: QUALITY ASSURANCE**

### **Evidence of Compliance:**

#### **7.1 Quality assurance system**

In order to comply with international quality standards, the policy of the University of NJSC "AMU" is based on the "*European standards and guidelines for quality assurance in the European Higher Education Area*" (ESG) and the national education policy of the Ministry of Education and Science of the Republic of Kazakhstan.

To evaluate the quality assurance system, the University organizes the collection and analysis of information through the following methods:

- Development, implementation and use of information systems;
- Determination of stakeholder requirements for performance results;
- Conducting an assessment of student satisfaction with the educational services of the University;
- Monitoring at all stages of activity.

To guarantee the quality of the education provided, the University conducts self-examination procedures (monitoring, audits), the results of which are the subject of discussion at the Scientific Council and to take effective measures to improve all University processes.

The University has sufficient means of collecting and analyzing information about its own activities and is able to determine the strengths and weaknesses of its activities and the results of innovation.

Quality related information systems cover:

- The progress of students and the level of academic performance, the proportion of expelled;
- Demand for graduates in the labor market;
- Satisfaction of students with educational programmes;
- Satisfaction of employees, teaching staff with working conditions, management system, resources;
- Teaching effectiveness;
- Composition of students, contingent;
- Availability and cost of learning resources;
- Employment of graduates, communication with them, career monitoring;
- Key performance indicators of the University

#### **7.2 Programme monitoring and evaluation mechanisms**

In solving the problems facing the university in the conduct and organization of the educational process, the introduction of innovations in the educational process, the main role is played by the Scientific Council, the Department of Organization and Quality Control of Educational Activities, QAC. These divisions act as structures that coordinate the activities of schools, departments and courses to improve the methodological, scientific and methodical, educational and methodical content of disciplines, develop and implement regulations, research in nursing, generalize and disseminate best practices in teaching students. The main tasks of scientific research in medical education are: the development of scientific approaches to the development and improvement of medical education, the development of reasonable norms, criteria and standards of the educational process, the development of new forms of organization and methods.

Interviews with 14 teachers showed that there are both successes and problems in the management of education, depending on the specific base (the admission of students to the equipment, a sufficient number of thematic patients, independent work). The experts received answers about the

teacher training programme, the financing of this training, and whether teachers have certification in teaching methods.

*Thus, the experts found that the university guarantees the collection, analysis and use of relevant information for the effective management of the educational programme and other areas of its activities (ESG S1.7)*

### **7.3 Teacher and student feedback**

The information received from teachers and students is centrally collected, analyzed and used. One of the mechanisms for implementing feedback is the questioning of students, teachers and employers.

Questionnaires are developed to study the processes of education, improvement and enhancement of educational programmes. The questionnaire procedure is carried out systematically throughout the entire period of study, it consists of questionnaires for teaching staff, students, graduates, parents of students, employers. For example, when questioning students, the University covers all aspects of education:

- satisfaction with the quality of teaching materials;
- satisfaction with the expanded catalog of elective disciplines in the specialty;
- how do you evaluate the organization of the consulting service of advisers?
- satisfaction of students with the quality of textbooks, teaching aids;
- satisfaction with the schedule;
- creation of a programme in which the best students and graduates had the opportunity to undergo work experience internship, training in the best medical centers, clinics of the Republic of Kazakhstan, and outside the country;
- development of partnership in terms of academic mobility of students and teaching staff (increased exchange of students and teaching staff).

The department regularly analyzes the content of courses and teaching methods.

### **7.4 Academic achievements of students and graduates**

The academic achievements of students are evaluated according to the standard "Educational programmes: development, evaluation and updating" SU-MUA-15-22 (02.12.22 No. 29). NJSC "AMU" uses the principles, methods and practice of assessment, including the academic achievements of students and the assessment of knowledge, skills, professional values of attitudes, which are: clearly comparable with the methods of learning, teaching and learning outcomes; ensure that students achieve learning outcomes; promote learning and provide an appropriate balance between formative and summative assessment in order to guide learning and evaluate the student's academic progress, which requires the establishment of rules for assessing progress and their relationship to the assessment process.

One of the important criteria for the process of continuous improvement, improving the quality of clinical training is the conduct and analysis of the results of the assessment. All assessment methods have limitations, and no one method can fully assess all clinical skills, which necessitates the use of different assessment methods.

As mentioned above, there is a trend in the educational process towards the assessment of competencies. In the process of teaching and assessment, it is necessary to encourage students to understand concepts and principles, rather than simply reproduce factual knowledge; provide clinical content to enable students to link their learning to future practice; encourage students to integrate their learning across systems and disciplines; develop independent thinking and own direction in their learning.

The analysis of the achieved learning outcomes is carried out at the end of each module and at the end of the academic year and is compared with the goals adopted by the department in the field of quality, in relation to the qualitative indicator of progress. Monitoring of progress and attendance is carried out by the department according to the class schedule, with data recording in the electronic and pedagogical grade record book, in the absence of students in the classroom, it is informed to the School.

Monitoring of the development of separate disciplines is carried out according to the results of the midterm and end-of-course assessment. Monitoring and control of the achievement of the learning outcomes is carried out by departments and Schools. In order to determine the degree of mastering the bachelor study programmes of the state standard of education, focused on the learning outcomes and acquired competencies in accordance with the "Qualification characteristics of medical and pharmaceutical specialties" (Order of the Ministry of Healthcare of the Republic of Kazakhstan No. 699 dated November 12, 2009), ongoing monitoring of progress, midterm and end-of-course assessment are carried out in accordance with the standard "Educational programmes: development, evaluation and updating" SU-MUA-15-22 (02.12.22 No. 29). NJSC "AMU" uses approved by the Vice-Rector for Academic Affairs.

### **7.5 Stakeholder involvement**

The system for monitoring compliance with the norms for the development of educational materials successfully functions in accordance with the developed IMS documents (management system): process map "Management of the educational process", Working instructions for organizing and conducting intra-departmental control and mutual attendance of classes.

The university has an effective, continuous mechanism for internal quality assessment and examination of educational programmes. To improve educational programmes and their periodic revision, feedback is provided from consumers, namely teaching staff and students.

Evaluation of the content of the training programme, teaching methods and assessment is carried out based on the feedback from students, practitioners, as well as reviews of employers. The Quality Assurance Committee (QAC) of educational programmes develop models of graduates, their educational trajectories, educational programmes, monitor the continuity of education levels, pursue the implementation of the needs of practical healthcare in the framework of the training of medical specialists. In order to qualitatively implement the training of kinesiotherapists, ergotherapists, teachers of the departments are constantly working to improve the content of educational programmes in accordance with the development trends of the modern healthcare system, they analyze programmes with peer review from employers.

Interviews with 12 employers were conducted offline and included such questions as: knowledge of the mission of the university, participation in the development of the mission and proposals for the strategic plan, participation in the work of advisory bodies, satisfaction with the basic knowledge and skills of residents, participation in the training of residents through mentoring, providing the department and residents with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, 100% employment of bachelor's degree graduates and others.

*Analyzing the relationship of all stakeholders, the commission established the need to involve on a regular basis representative of public and professional organizations, associations in the field of ergotherapy (for example, the Kazakhstan Association of Ergotherapy - KAE) and complementary medicine in the development, improvement and evaluation of the educational programme and/or its components (electives) and to the assessment of students.*

*One of the main goals of the KAE is to help develop the professional and clinical excellence of ergotherapy in Kazakhstan. Realization of the goal is carried out through the training and consultation of local ergotherapists and support of educational/medical institutions in the development of programmes, courses and curricula in accordance with international standards, practices established by the World Federation of Occupational Therapists (WFOT).*

**EEC conclusions by criteria.** Compliant with 12 standards: fully - 11, partially - 1, not compliant - 0

**Standard 7: implemented**

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

- 1) To involve on a regular basis representative of public and professional organizations, associations in the field of ergotherapy (for example, the Kazakhstan Association of



Ergotherapy) and complementary medicine in the development, improvement and evaluation of the educational programme and/or its components (electives) and in the evaluation of students.

## **Standard 8: MANAGEMENT AND ADMINISTRATION**

### **Evidence of Compliance:**

#### **8.1 Management**

The Academic Council, committees and QAC of educational programmes form the core of academic management. The minutes of the meeting of the Academic Council of the University approved the composition of the committees for ensuring the quality of educational programmes for the 2022-2023 academic year, including the QAC of educational programmes "Nursing", which includes the programme "Ergotherapy" (No. 1 of October 23, 2022).

The activity of QAC of educational programmes "Nursing" is aimed at implementing the mission of educational programmes and ensuring the quality of their implementation.

In its work, the School interacts with the Center for the Development of Academic Activities, the office of the registrar, the library (on issues of providing the educational process with educational literature, methodological developments, access to electronic databases), the Center for Youth and Sports, the Center for the Development of Clinical Activities, the Center for the Practice of Career Employment and Employment, the Center for the Development of Research Activities and the Center for Strategic Development and Project Management, as well as with other departments for the management and organization of educational activities.

#### **8.2 Representation of students and academic staff**

In accordance with the regulations on the Scientific Council, the Academic Council, the Quality Assurance Committee of Educational Programmes, the Academic Council, students, teaching staff, employers are active members of collegiate bodies that are involved in the management of the educational programme.

All members of collegiate bodies have the right to request information, report at meetings of collegiate bodies, and submit issues for collegiate discussion. The composition of the QAC of EP "Nursing" for the 2022-2023 academic year was approved by the minutes of the meeting of the Academic Council.

The QAC as a representative of the students includes a student of the 2nd year of the educational programme "Nursing" Sabina Nurova and a representative of practical healthcare: Abenova K.T., chief nurse of the City Polyclinic No. 5, nursing coordinator of the Healthcare Department of Astana and Pushkina N.V., nursing manager of the City Polyclinic No. 9 in Astana.

Representatives of the departments of the School, students and employers participate in the work of the commission for awarding vacant state educational grants, in working commissions by order of the dean of the School and the order of the Vice-Rector for Academic Affairs. The commission for the distribution of state grants includes a representative of the 1st year students, group 101 of the EP "Nursing" - Uali Aierke.

The content of the EP is agreed with employers, the EP undergoes an external, independent evaluation of reviewers and, after making final adjustments, is approved by the Scientific Council. After passing through all the stages of coordination and approval, the EP is introduced into the educational process.

#### **8.5 Engagement with the healthcare sector**

The University effectively interacts with the healthcare sector, with related industries, including the exchange of information, cooperation, which contributes to ensuring the quality of student training.

The joint effective activity of the University and the Clinic provides training, education and continuous professional development of personnel in the field of healthcare based on the integration of theory, clinic and science.

The strategic objectives of interaction with the healthcare sector are:



1) creation of the necessary conditions for the practice of oriented clinical training of students of the University in the framework of the provision of medical services;

2) using the opportunities of cooperation with the University for the continuous professional development of the employees of the clinical base, the implementation of the results of research and innovation activities in the work of the clinical base.

The process of interaction between the Ministry of Healthcare of the Republic of Kazakhstan and medical universities is regulated by the Order of the Minister of Healthcare of the Republic of Kazakhstan dated December 21, 2020 No. КР ДСМ-304/2020 "On Approval of the Regulations on the Clinical Base, Healthcare Education Clinic, University Hospital, Residency Base, Integrated Academic Medical Center and the Requirements for them." The standard of medical-diagnostic and advisory work of scientific and pedagogical workers of the University is determined by the profile of the department.

The teachers of the departments perform medical and advisory work in the Clinic, in particular: scheduled consultations and rounds in the base departments; management of patients within the limits of the standard therapeutic load of scientific and pedagogical workers of the departments, provision of advisory assistance to patients and medical workers of the clinic, including online consultations; participation in the work of medical consultations; participate in the activities carried out by the clinic on the organization of the treatment process, such as: operational meetings, clinical reviews, hospital and polyclinic councils, medical consultations, conferences and others.

The proportion of teaching staff of clinical departments working in the Unified National Healthcare System (having a contract with healthcare organizations as a clinical specialist) is more than 30%. The performance of the therapeutic load by the employees of the departments of the University is carried out simultaneously with the performance of educational work, with the exception of cases in which the admission of students to patients is prohibited by the current legislation or internal acts of the Clinic.

The functioning of the University in all activities is coordinated by the Ministry of Healthcare, the Ministry of Higher Education and Science of the Republic of Kazakhstan. The University Clinical Development Center is an organizational center that coordinates relations with the healthcare sector and ensures the integration of the educational process and clinical activities.

The University enters into an agreement on joint activities with healthcare organizations that are clinical bases. The teaching staff of clinical departments are specialized specialists and perform medical work in the healthcare organization where the department is based (e.g., you can give an example from the department). One of the main tasks of clinical bases is to create the necessary conditions for practice-oriented clinical training of students in the framework of the provision of medical services according to the profile of the clinical base.

The clinical bases created the necessary conditions for the educational process and research work of the teaching staff and students: the necessary training and support facilities have been provided; there is access to the Internet; Teaching staff of clinical departments and students of the "Ergotherapy" programme have access to patients, medical records, statistical data and archival documents, take part in daily consultations, conferences, analyzes of case histories for the implementation of the educational, scientific, medical and diagnostic process, consultative work in a medical organization. Acquired skills are consolidated through training and field internship.

The university and healthcare organizations are jointly responsible for the quality of student training. Thus, through mentoring, the degree of mastering the practical skills of students in departments of hospitals/outpatient clinics/polyclinics is controlled, during the passage of work experience internship.

The programme "Ergotherapy" was developed with the participation of representatives of students, employers, taking into account the needs of the healthcare system. The interim and summative assessment of the quality of the EP is implemented through independent examinations conducted with the involvement of both external experts and employers.

Constant monitoring of feedback from employers on the level of preparedness of graduates, carried out in the form of a questionnaire, makes it possible to determine the level of satisfaction of employers with the competencies of graduates, to identify areas for improving the training of specialists.

The university annually analyzes the demand for medical personnel in the labor market by region, collects and analyzes feedback from employers. Taking into account recommendations from employers, elective disciplines are included in the curriculum. Reviewed annually, together with representatives of practical healthcare, CED provides an opportunity to change educational programmes by introducing new disciplines aimed at expanding and deepening the knowledge of students, depending on the changing conditions of the healthcare system, primarily regional ones.

Every year the university hosts a "Job Fair". The main goal of the event is cooperation between employers and the University in the field of training and employment of students.

*EEC conclusions by criteria.* Compliant with 16 standards: fully - 16.

*Standard 8: implemented*

## **Standard 9: CONTINUOUS RENEWAL**

### **Evidence of Compliance:**

The university's policy in the field of quality is aimed at ensuring the competitiveness of the university in the educational services market, focusing on the introduction of innovative methods and technologies in the preparation of a rehabilitation physician, and the provision of high-tech medical services.

The quality policy is maintained to meet the established requirements, constantly improved and adapted, periodically supplemented in accordance with the ongoing state reforms in the field of healthcare and education, and the country's programme documents.

NJSC "AMU" as a university, ready and open to change, conducts renewal processes based on promising research and analysis, as well as on the results of its own studies through a strategic analysis of its domestic and foreign policy (requirements and expectations of stakeholders) and develops approaches to improve and enhance the activities of the university.

Analysis and evaluation of internal activities is carried out on the basis of data obtained as a result of collecting and processing data from measuring internal indicators, including reporting data on financial and economic results, indicators used to evaluate the efficiency and effectiveness of processes, according to the developed process maps. Measurable indicators and evaluation methods are defined for all processes. Persons/divisions responsible for monitoring and analyzing process indicators have been established. A comprehensive consideration of the interests of consumers is carried out, the results obtained are used in planning and adjusting the policy and strategy of the university.

The "Ergotherapy" educational programme will be updated periodically to adapt to the changing needs of the healthcare system, employers and society.

The revision of the mission and outcomes of existing EPs at all levels of education at the University is carried out in compliance with the principle of transparency, with the participation of all parties involved in the process: scientific and pedagogical personnel, residents, administrative structures at the level of departments.

Changes may include adjusting the structure and content of the educational programme, the principles of active learning. The adjustment will ensure, along with the exclusion of obsolete ones, the development of new relevant knowledge, competencies, methods and concepts based on new achievements in basic biomedical, clinical, taking into account changes in the demographic situation and population structure on public health issues, as well as changes in socio-economic and cultural conditions;

NJSC AMU" conducts an annual assessment of the literature and equipment of the library fund for medical postgraduate education, while planning and applying the processes of monitoring,

measurement, analysis and improvement necessary to demonstrate compliance with the requirements of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated January 19, 2016 under No. 44 "On approval of the Rules for the formation, use and preservation of the library fund of state educational organizations", as well as the requirements and expectations of stakeholders for the quality of education, the quality of knowledge of graduates.

The assessment policy in the implementation of the EP includes monthly meetings of the departments, where the implementation of the curriculum, the results of the sessions and quality control of the educational process (discussion of practical exercises, IWST, etc.) are discussed. The department registers and analyzes the current performance, attendance, the number of absences, the number and reasons for non-admission of students to the exam, the quality indicator and the absolute performance of residents by discipline, years of study.

In order to assess the progress of students, the university in the educational process is focused on the quality of control and measuring tools and forms of control: conducting two-stage exams (assessment of theoretical and practical skills) and integrated exams.

***EEC conclusions by criteria.*** Compliant with 3 standards: fully - 3.  
***Standard 9: implemented***

When conducting an external evaluation of the educational programme, it was found that out of **129 standards** (including 106 basic standards and 23 improvement standards), 123 accreditation standards demonstrate full compliance, including 105 basic standards and 17 improvement standards. 1 basic standard and 6 improvement standards were partially implemented. No non-compliance standards established.

## **5. Recommendations for improving the educational programme of Ergotherapy:**

### **Standard 2**

1. To define mechanisms for wide coverage of students with research work in order to develop research competence, critical and analytical thinking and provide more participants in scientific student conferences at the university, republican levels and abroad.

### **Standard 6**

2. To provide students with access to online resources, platforms dedicated to ergotherapy for students to receive up-to-date information in their specialty.
3. To actively carry out intra-country and foreign mobility of students, academic and administrative staff for the internationalization of education, the exchange of experience, the introduction of best practices and the acquisition of broader and alternative knowledge by students in the specialty.

### **Standard 7**

4. To involve on a regular basis representative of public and professional organizations, associations in the field of ergotherapy (for example, the Kazakhstan Association of Ergotherapy) and complementary medicine in the development, improvement and evaluation of the educational programme and/or its components (electives) and in the evaluation of students.

## 6. Recommendation to the ECAQA Accreditation Council

The EEC members determined the compliance of the educational programme of the bachelor's degree in the specialty 6B10115 "Kinesitherapy" with the Accreditation Standards and came to a unanimous opinion to recommend to the ECAQA Accreditation Council to accredit this programme for a period of 5 years.

№ p/p	Status in the EEC	Full name
1	Chairperson	Yermukhanova Lyudmila Sergeevna
2	Foreign expert	Dr. Alenka Braček Lalić
3	Foreign expert	Kodirova Shahlo Salomovna
3	Academic Expert	Zhakyzbekov Kairat Saparkhanovich
4	Academic Expert	Daniyarova Anara Bakhitkereyevna
5	Academic Expert	Yerzhanova Farida Nurmukhambetovna
6	Academic Expert	Akhmetova Almira Kalikapassovna
7	Academic Expert	Ablaykhanova Nurzhanyat Tatukhanovna
8	Academic Expert	Rakhmanov Yeltay Utemuratovich
9	Employers' representative	Zhukubayeva Almira Asetkyzy
10	Representative of doctoral students	Yessenbekova Naira Adilkhanovna



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

Standard	Criteria for evaluation	Number of standards	BS*/IS	Grade		
				Fully compliant	Partially compliant	Not compliant
1.	MISSION AND OUTCOMES	8	8/0	8	0	0
2.	EDUCATIONAL PROGRAMME	36	30/6	30/4	0/2	0
3.	STUDENT ASSESSMENT	13	11/2	11/2	0	0
4.	STUDENTS	15	11/4	11/3	0/1	0
5.	ACADEMIC STAFF/TEACHERS	8	7/1	7/1	0	0
6.	EDUCATIONAL RESOURCES	18	16/2	15/0	1/2	0
7.	QUALITY ASSURANCE	12	9/3	9/2	0	0
8.	MANAGEMENT AND ADMINISTRATION	16	14/2	14/2	0	0
9.	CONTINUOUS RENEWAL	3	0/3	0/3	0	0
		129	106/23	105/17	1/6	0
					129	

**List of documents reviewed by EEC members as part of an external evaluation of the bachelor's degree programme in "Ergotherapy"**

<b>№</b>	<b>Document names</b>	<b>Quantity</b>
1.	K-MUA-02-19 Code of Ethics for students of NJSC "AMU"	1
2.	Extract from the minutes of the meeting of the Academic Council No. 1	1
3.	Development strategy of NJSC "AMU" for 2022-2026	1
4.	Survey analysis for 2020	2
5.	Survey analysis for 2021	1
6.	Survey analysis for 2022	1
7.	Petitions for 2021	1
8.	Petitions for 2022	
9.	SU-MUA-22-19 Organization of the educational process on credit technology of training	1
10.	SU-MUA-14-22 Introduction of new educational technologies	1
11.	SU-MUA-35-12 Stakeholder analysis	1
12.	Handbook-guide for students of advanced training cycles and certification courses in the framework of additional and non-formal education of NJSC "AMU"	1
13.	RI-MUA-68-21 Working instructions for the development of an educational and methodological complex of disciplines of the NJSC AMU	1
14.	RECOMMENDATIONS FOR THE ORGANIZATION AND IMPLEMENTATION OF EDUCATIONAL PROGRAMMES OF ADDITIONAL EDUCATION IN THE FIELD OF HEALTHCARE	1
15.	Policy of JSC "Astana Medical University" in the field of scientific activity	1
16.	<b>The work plan of the center of additional education for 2023</b>	1
17.	KC-MUA-05-22 Development of effective technologies and teaching methods in NJSC AMU	1
18.	Personnel policy of NJSC "AMU"	1
19.	DI-MUA-3.2/03-22 Job description of the leading methodologist of the center of additional education	1
20.	Annual Plan of Advanced Training Cycles and Certification Courses for Healthcare Professionals for 2023	1
21.	The act of introducing the results of a new educational technology	1
22.	Extract from the minutes of the meeting of the Academic Council No. 1	1
23.	Order on approval of the composition of the commission for quality assurance of educational programmes for residency and additional education	1
24.	Methodical materials	1
25.	Journal of attendance and progress of students.	3
26.	Extract from the minutes of the meeting of the Committee for Quality Assurance of Educational Programmes of Residency and Additional Education No. 7	1

27.	Extract from the minutes of the meeting of the Committee for Quality Assurance of Educational Programmes of Residency and Additional Education No. 2	1
28.	Extract from the minutes of the meeting of the Committee for Quality Assurance of Educational Programmes of Residency and Additional Education No. 2 dated 06.10.2021	1
29.	Extract from the minutes of the meeting of the Committee for Quality Assurance of Educational Programmes of Residency and Additional Education No. 1	1
30.	Extract from the minutes of the meeting of the Committee for Quality Assurance of Educational Programmes of Residency and Additional Education No. 1 dated 08.09.2021	1
31.	Questionnaires and survey analysis	7
32.	P-MUA-17-20 Academic Policy	1
33.	Questionnaire form	1
34.	Order on approval of the composition of the commission for quality assurance of educational programmes for residency and additional education	1
35.	Agreement on the provision of services for a fee No. 19-D-184	1
36.	Agreement on the provision of services for a fee No. 19-D-187	1
37.	Agreement on the provision of services for a fee No. 19-D-192	1
38.	Form of act of completed works 2023	1
39.	RI-MUA-68-21 Working instructions for the development of an educational and methodological complex in NJSC AMU	1
40.	PL-MUA-76-20 Regulations on remuneration, bonuses and social security of employees of NJSC AMU	1
41.	PSP-MUA-3.2-22 Regulations on the center of additional education	1
42.	PL-MUA-03-20 Regulations on paid services of NJSC AMU	1
43.	PL-MUA-142-22 Regulations on awards	1
44.	Work plan of teaching staff	1
45.	On amendments to the Regulation on paid services	1
46.	Articles on additional education	9
47.	The composition of the section on additional and non-formal education of Educational and Methodological Association of the Republican Educational and Methodological Council in the direction of training - Healthcare for the 2022-2023 academic year	1
48.	Advanced training programme of NJSC AMU	1
49.	EP Improving special medical care for children	1
50.	Agreement on joint activities No. 522-D-211	1
51.	Agreement on joint activities No. 522-D-79	1
52.	Clinical bases	1
53.	Integrated programme of the seminar on SARS	1
54.	Agreement on joint activities No. 0240	1
55.	Agreement on joint activities No. 522-D-175	1
56.	Agreement on joint activities No. 177-18	1
57.	Agreement on the activities of clinical bases	1
58.	Memorandums	1
59.	Feedback from employers	1
60.	SU-MUA-81-21 Internal quality assurance system of NJSC AMU	1