

Accreditation Council  
Eurasian Accreditation Center  
and quality assurance  
education and health

**REPORT  
OF THE EXTERNAL EXPERT COMMISSION  
ON THE RESULTS OF THE ASSESSMENT  
OF THE EDUCATIONAL PROGRAMME  
BACHELOR'S SPECIALTIES 6B10118 - "PEDIATRICS"  
OF NJSC "ASTANA MEDICAL UNIVERSITY"  
FOR COMPLIANCE WITH STANDARDS FOR ACCREDITATION OF  
PROGRAMMES OF PRE-DURAL EDUCATION  
IN MEDICAL EDUCATION ORGANIZATIONS**

**period of external expert evaluation: 08/17/2021 - 08/20/2021**

**NUR - SULTAN city, 2021**

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### LIST OF SYMBOLS AND ABBREVIATIONS:

GPA	Weighted average assessment of the level of educational achievements of a student in the chosen specialty
ECTS	European Credit Transfer and Accumulation System
PBL	Problem- based learning
TBL	Team- based learning
ECAQA	Non-profit institution "Eurasian Center for Accreditation and Quality Assurance in Higher Education and Health Care"
NJSC "AMU"	Non-profit joint-stock company "Astana Medical University"
AMP	Administrative and management personnel
University	Higher educational institution
SAC	State Attestation Commission
SCES	State compulsory education standard
DAD	Department of Academic Development
DSHR	Department of Science and Human Resources
DEMW	Department of educational and methodical work
FSA	Final state certification
IPE	Institute of Postgraduate Education
ITP	Individual teacher plan
AMU	Astana Medical University
CVI	Coronavirus infection
CC	Component of choice
CEP	Committee of educational programmes
QED	Catalog of elective disciplines
CEL	Clinical and experimental laboratory
MoH RK	Ministry of Health of the Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
MEO	Medical education organization
MA	Methodical advice
MJ RK	Ministry of Justice of the Republic of Kazakhstan
Research institutes	Research Institute
SSC	Scientific student circle
STP	Scientific and technical programme
NCIE	National Center for Independent Examination
SC	Scientific Center
PO	Public organization
OP	Educational programme
OSCE	Objective structured clinical examination
PHC	Primary health care
NDMP	Noncommunicable Disease Management Programme
RSA on REM	Republican state enterprise on the right of economic management
WC	Working curricula
QMS	Quality Management System

SOP	Standard operating procedures
IWS	Independent work of students
SC	Simulation center
IWST	Independent student work under the supervision of a teacher
TC	Typical curricula
EMA	Educational-methodical association
AC	Academic Council
CCU	Centre of collective usage
GCC	Graduate Career Center

## 1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 24 of 08/03/2021, an External Expert Commission was formed to conduct accreditation of the educational programme of the bachelor's degree NJSC "Astana Medical University" in the period 17-20.08.2021 (17-19.09 - online, 20.09.2021 - offline) in the following composition:



### Chairperson of the External Expert Commission

KUZGIBEKOVA ALMA BOLATOVNA,  
Candidate of Medical Sciences, Professor of the  
Department of Childhood Diseases, Karaganda Medical  
University,  
Honorary Worker of Education of the Republic of  
Kazakhstan, Accredited independent expert in assessing  
the quality of medical services.  
tel .: +77017166694, e-mail: [alma\\_aks@mail.ru](mailto:alma_aks@mail.ru)



### Foreign expert

RAKHIMOV BAKHODIR  
BAKHTIYOR UGLI,  
Doctor of Medical Sciences, Sanitary Doctor, Hygienist  
and Epidemiologist, Assistant at the School of Public  
Health of the Tashkent State Medical Academy,  
Researcher at Koryo University  
Tel .: +821027584142,  
e-mail: [rakhimov.bb@gmail.com](mailto:rakhimov.bb@gmail.com)



### National academic expert

ZHANTURIEV BOLAT MEIRBEKOVICH,  
Candidate of Medical Sciences, DBA, Head of the  
Laboratory of Biological Testing of the Testing Center  
with Laboratories, the Territorial Branch of the Almaty  
City of the National Center for the Expertise of  
Medicines, Medical Products and Medical Equipment of  
the Ministry of Health of the Republic of Kazakhstan  
tel .: + 7 707 3338089, e-mail: [bolatzhan@gmail.com](mailto:bolatzhan@gmail.com)



**National academic expert**

ORABAY LYAZAT ZHADIGERKYZY,  
doctors of medical sciences, Associate Professor, Head of  
the Department of Public Health with the Course of  
Hygiene and Epidemiology, Head of the Department of  
Residency of NJSC "Kazakhstan-Russian Medical  
University"

Tel .: 8 771 407 2466,

e-mail: [Lorakbay@inbox.ru](mailto:Lorakbay@inbox.ru)



**Expert -employers' representative**

KOZHEKENOV DINAT ERIKOVICH,  
Deputy Director  
SPE on REM "Multidisciplinary City Children's Hospital  
1", Nur-Sultan

tel .: + 7 7018998156,

e-mail: [Dinat\\_86@mail.ru](mailto:Dinat_86@mail.ru)



**Expert - representative of undergraduates**

AUMOLDAEVA ZAURE MARATOVNA,  
1st year undergraduate student in the specialty "Public  
Health" of NJSC "Kazakhstan-Russian Medical  
University"

tel .: +7 777 353 0621,

e-mail: [zaumoldaeva@bk.ru](mailto:zaumoldaeva@bk.ru)



**ECAQA Observer**

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

tel .: +7 747 5609212,

e-mail: [info@ecaqa.org](mailto:info@ecaqa.org)

The work of the EEC was carried out in accordance with the Regulation on the EEC (Order of the Director general of the ECAQA No. 24 dated August 03, 2021).

The EEC report contains an assessment of the educational programme of the bachelor's degree in the specialty 6B10118 - "PEDIATRICS" of the NJSC "Astana Medical University" for compliance with the Accreditation Standards for undergraduate education programmes of medical educational institutions of ECAQA, recommendations of the EEC for further improving the educational activities of the university in the field of higher professional education.

## 2. General part of the final report of the EEC

### **2.1 Presentation of NJSC "Astana Medical University" and educational programme bachelor's degree in the specialty 6B10103 - "PEDIATRICS"**

History of NJSC "AMU" - was founded in October 1964 as the Tselinograd State Medical Institute by the decision of the Central Committee of the CPSU and the Council of Ministers of the Kazakh SSR.

Over the years of the existence of the Medical Institute, there have been multiple changes in its organizational form, reforming the management system in accordance with the requirements of the time.

From 22.02.2019, on the basis of the Decree of the Government of the Republic of Kazakhstan "On the issues of creating a non-profit joint stock company" Astana Medical University "No. 648 dated October 16, 2018, JSC" AMU "was reorganized into a non-profit joint stock company" AMU ".

The documents that constitute the organizational and legal basis of the activities and the legal basis for the implementation of the educational programme of the University are presented on the website of the university [https://www.amu.kz/korparup/about\\_the\\_university/](https://www.amu.kz/korparup/about_the_university/) ...

The University has a multilevel education system.

6118 students, 1572 interns, 914 residents, 96 undergraduates and 77 doctoral students' study at the faculties of the University, including 961 foreign students.

The university operates a system of international distance learning (MOODLE), which uses the latest advances in this area in its work. <https://dl.amu.kz/> ...

Since 2012, distance learning has been introduced at the level of additional professional education.

In order to create conditions for continuous improvement of the university's activities and increase the satisfaction of the needs and expectations of its stakeholders, the University has been certified four times for compliance with international standards ISO 9000 versions 2000 and 2008 since 2007, uses management tools: strategic management, SWOT analysis, outsourcing, cleaning, benchmarking, balanced scorecard, project management, HR management, institutional accreditation standards of the university, laboratory accreditation standards ST RK ISO / IEC 17025.

In the Rating of educational programmes of universities / Health care and social security (medicine) / National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken", the University was ranked in:

2018: first place in the specialties "Public Health", "Pharmacy" and "Nursing" in the specialties "General Medicine"; second place - "Dentistry".

2019: first place in the specialties "Pharmacy", "Dentistry"; second place - "Nursing", "General Medicine"; fourth place - "Public health".

2020: - second place in the specialty "Pharmacy"; third place - "Nursing"; fourth place - "Dentistry", fifth place - "General medicine";

Based on the results of the MZRK rating assessment of the educational activities of medical universities at the end of the 2019-2020 academic year, NJSC "Astana Medical University" topped the overall rating with a value corresponding to the level of 5 stars (high level).

Faculty of Medicine, which coordinates and implements the educational programme of the undergraduate programme 6B10118 "Pediatrics", which is headed by Doctor of Medical Sciences,

Associate Professor K.O. Makhambetov. Characteristics of the accredited educational programme: Level of implementation - integrated continuing education, including bachelor's, internship, master's degree. Development period: 6 years. Development form: full-time. Qualifications of graduates - doctor, academic degree - master.

## **2.2 Information on previous accreditation**

The accreditation of the educational programme has not been carried out before.

## **2.3 Analysis of the report on self-assessment of the educational programme in the specialty of undergraduate 6B10118 - "Pediatrics"**

Self-assessment report educational programme presented on 149 pages and contains 22 annexes according to the relevant standards, copies or electronic versions of documents on the organization of education, located at the link

[https://drive.google.com/drive/folders/1VDoLdh1i05\\_vIvL1rWt40SJm9IvxuBXt?usp=sharing](https://drive.google.com/drive/folders/1VDoLdh1i05_vIvL1rWt40SJm9IvxuBXt?usp=sharing)

The report is characterized by the completeness of answers to all 9 accreditation standards, structuredness taking into account the recommendations of the ECAQA Self-Assessment Guidelines, as well as the internal unity of information provided by the accredited organization about its activities. The report is accompanied by an accompanying letter signed and signed by the Chairperson of the Management Board - Rector M.A. Dauletyarova, confirming the accuracy of the information and data contained in the report.

Self-assessment of the educational programme in the specialty of undergraduate 6B10118 - "Pediatrics" NJSC AMU was carried out on the basis of order No. 265-n / κ dated May 25, 2021. "6B10118" Pediatrics "

The working group for the preparation of the self-assessment report did some work: the content of the accredited educational programme, the conditions for its implementation, staffing, educational resources were analyzed, the necessary information was collected in accordance with Accreditation standards for undergraduate education programmes of medical educational organizations (hereinafter referred to as accreditation standards); a thorough analysis, updating and addition of methodological and educational materials was carried out, their content is reflected in the report. The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of strengths, areas for improvement for each of the 9 standards.

At the stage of expert evaluation, the following recommendations were identified for additions and changes about self-assessment reports that have been eliminated by the date of the external assessment:

2.5.1 It is not described how the AMU in the EP ensures that students:

- acquire sufficient knowledge and professional skills in order to assume responsibility, including activities related to health promotion, human well-being, prevention and treatment of diseases;
- carry out health promotion and prevention work;

2.5.2 The safety assurance of all participants in the educational process is not described, incl. the patient.

2.7.1 It is not described how the AMU guarantees representation from teachers and students in the structural unit responsible for the educational programme;

3.2.1 It was not fully reflected how the university provides

- comparability of students' academic achievements and assessment of knowledge, skills, professional values, relationships,
- teaching methods, teaching and learning outcomes;
- ensures that students achieve the ultimate learning outcomes;

4.3.3 It is not described how the university provides confidentiality regarding student counseling and support.

5.2.1 It is not fully described how the university has defined and implemented a policy of activities and development of employees involved in the implementation of the educational programme, which:

- allows you to maintain a balance between teaching, research and service functions,
- includes the determination of the time for each type of activity, taking into account the needs in the



implementation of this educational programme and the professional qualifications of teachers;

– ensures that each teacher has sufficient knowledge of teaching / learning methods, the general content of the educational programme and other disciplines in order to stimulate cooperation and integration;

6.5.2 It is not described how the university has defined and implemented a policy on the use of expertise and research in developing teaching methods and assessing knowledge and skills.

7.1.2. The mechanisms for evaluating the educational programme aimed at student progress are not covered

7.1.3 Mechanisms for ensuring appropriate assessment results for improving the educational programme are not described.

7.3.1 It is not presented how the university conducts an analysis of the educational achievements of students and graduates, regarding: the mission of the educational programme, the final learning outcomes and the provision of resources.

8.3.2 It is not fully described how the university allocates the resources necessary for the implementation of the educational programme and distributes educational resources in accordance with the needs;

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

After revising these recommendations, the university provided complete information on the relevant accreditation standards.

#### **2.4 General assessment of the educational programme in the bachelor's specialty 6B01103 - "Pediatrics" for compliance with the Standards for accreditation of programmes before graduate education (specialty bachelor's degree) of medical educational organizations.**

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

The report is written sequentially in compliance with the logic in the description of the standards, the wording for each standard is clear and understandable, the tables contain references in the text and are consecutively numbered. There are links to regulations, model rules, regulations, teaching documents, website pages.

The self-assessment and description were carried out in accordance with the criteria of the ECAQA accreditation standards and the questions formulated in the Self-Assessment Guidelines were answered. All standards show actual practice of NJSC "Astana Medical University", for the preparation of bachelors in the specialty of undergraduate 6B10118 - "Pediatrics", well-reasoned data, examples of the implementation of the tasks of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description is fairly completed and updated in terms of the information about the selection and admission, the results of training, the results of the assessment of knowledge and skills, the material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, plans for development and improvement, etc.

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

Thus, the self-assessment report of the accredited educational programme in the bachelor's specialty 6B10118 - "Pediatrics" of the NJSC "Astana Medical University" contains objective, detailed, structured information on all activities in accordance with the ECAQA accreditation standards, and the university made the appropriate corrections in the report at the stage expert evaluation.

### 3. Description of external expert evaluation

External expert work on the assessment of the educational programme of the bachelor's degree 6B10118 - "Pediatrics" of the NJSC "Semey Medical University" was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA Health care "No. 5 of February 17, 2017) and according to the programme and schedule approved on August 24, 2021 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the acting rector of NJSC AMU M.A. Dauletyarova

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

The staff of NJSC "AMU" ensured the presence of all persons indicated in the visit programme and according to the lists of interview sites (Table 1).

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

No	FULL NAME.	Position
1.	Zhukabayeva Sofya Sovetovna	Associate Professor at the Department of Pediatric Diseases with courses in Pulmonology and Nephrology
2.	Atalykova Gaukhar Toleubekovna	Associate Professor at the Department of Pediatric Diseases with courses in Pulmonology and Nephrology
3.	Schneider Ksenia Viktorovna	Associate Professor of the Department of Children's Diseases with courses of allergology, hematology and endocrinology
4.	Usenova Oksana Polatovna	Assistant at the Department of Pediatric Diseases with courses in allergology, hematology and endocrinology
5.	Zulkazhy Aigul Zulkozhaevna	Assistant at the Department of Pediatric Diseases with courses in cardio-rheumatology and gastroenterology
6.	Aytenova Nazym Dzhambulovna,	Associate Professor of the Department of Human Anatomy, Ph.D.
7.	Madieva Sharapat Abdiganievna,	Senior Lecturer at the Department of General and Biological Chemistry, Master of Agricultural Chemistry
8.	Mazhitova Zhanna Sabitbekovna	Professor of the Department of Social Sciences and Humanities, Doctor of Historical Sciences
9.	Beglarova Gulshakhar Erkinovna	Associate Professor of the Department of Pathological Physiology named after V.G. Korpachev, Candidate of Medical Sciences, Associate Professor
10.	Omarov Talgat Maratovich	Associate Professor of the Department of Pathological Anatomy, Ph.D.

The sequence of the visit within 3 days (17-17.08 - online, 20 offline), is detailed in the Visit Programme, which is in the documentation of the accreditation center and in the Attachment to this report.

**The first day of the visit is 08/17/2021** was conducted online due to the worsening epidemiological situation with COVID. At the same time, the meetings and interviews planned in the programme were fully implemented. An interview with the management and key employees of the AMU made it possible to determine the fulfillment of most of the criteria for accreditation standards 1, 2, 5, 7, 8, 9, namely, to identify approaches in developing the mission of the educational programme and its compliance with the strategic goals of the university, the role and place of higher education in clinical direction in the university's strategy (plan), mechanisms in determining clinical bases and qualified teachers, guaranteeing the adequacy of educational resources through planning public procurements and concluding agreements with country and international partners (more than 100 contracts). Realizing that the undergraduate programme being accredited is relatively new, educational programme in Pediatrics 6B10118 (developed in accordance with the State Educational Standard of Education and the standard educational curriculum, order 647 with additions of 02.21.2020), approved by the Commission on Academic and Scientific Work of the Senate of the NJSC AMU (Minutes 7 of 06.24.2021).

In accordance with the visit programme of the EEC, a meeting was held with the director and the department of academic work, information was received on the organization of educational and methodological work, ensuring control over the compliance of the HEI with the requirements of State standards of higher professional, postgraduate and additional education and educational programmes, regulations of the Ministry of Education and Science of the Republic Kazakhstan, Ministry of Health of the Republic of Kazakhstan; planning, management, control and improvement of organizational and methodological processes for the use of innovative educational technologies; organizing support for the professional development of a young teacher, coordinating the work of the School of Young Teachers.

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

Conversation By the Chairperson of the Quality Assurance Committee of NJSC “AMU”, Vice-Rector for Academic Affairs, she allowed experts to learn about approaches to attracting employees of clinical bases for teaching in undergraduate studies, about the strategy and tactics of recruiting students for different specialties, information security up to graduate education, and also to identify problems management and development of human resources.

Conversation with the head of the center for international cooperation, the faculty member, the heads of the pediatric departments, made it possible to find out the real cooperation and its prospects with national and foreign partners, the peculiarities of integration into educational programmes. The role of international cooperation in the development and strengthening of training programmes was discussed.

Online meeting with the staff of the departments responsible for the admission of undergraduate students made it possible to deepen the understanding of the EEC members of how it is carried out the formation of a state order in the specialty, the admission of bachelors, including those with disabilities, from socially vulnerable people, work with departments, other structural units participating in the organization of the educational process. The experts were familiarized with the materials on the admission of students and the selection of teachers.

Monitoring of graduates' employment, satisfaction with the quality of training of EEC graduates was discussed at a meeting with employees of departments responsible for the employment of bachelor's graduates. It is necessary to take into account the fact that there was no graduation from the accredited educational programme, so it was not possible to interview graduates, however, the experience and authority of the AMU in teaching bachelors shows a high percentage of employment

(> 90%) of graduates of other bachelor's degree programmes and their demand for medical organizations of all regions of Kazakhstan.

Interviews with teachers, as providers of the bachelor's programme, showed that there are good educational resources (a sufficient number of thematic patients, time for maintaining medical records, independent work of students) on the basis of clinical departments. The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

**The second day of the visit 08/18/2021** began with an interview with members of the academic council, committee of educational programme by levels of education (bachelor's, master's):

<b>No.</b>	<b>FULL NAME.</b>	<b>Position</b>
1	Dauletyarova Marzhan Amangalieвна	Chairperson of the Quality Assurance Committee of NJSC "AMU", Vice-Rector for Academic Affairs
2	Morenko Marina Alekseevna, MD, professor	Chairperson of the Commission for Academic and Scientific Work of the Senate, Head of the Department of Pediatric Diseases with courses in allergology, hematology and endocrinology
3	Muldakhmetov Miram Seytshanovich, MD, professor	Chairperson of the Quality Assurance Committee of the Faculty of Medicine, Head of the Department of Pediatric Diseases with courses in Pulmonology and Nephrology
4	Tarjibaeva Saule Kenesbekovna, Candidate of Medical Sciences, Associate Professor	Chairperson of the Quality Assurance Committee of the Faculty of Public Health, Associate Professor of the Department of Preventive Medicine and Nutritionology

The content of the meeting was planning, development, approval and evaluation of educational programmes, quality monitoring, representation of students in the approval and evaluation of programmes, analysis and quality of feedback study results.

The issues of planning the financing of the educational process (the proportion of expenditures on educational resources of the bachelor's degree in pediatrics), interaction with the academic sector and departments, staffing, development of teachers was discussed at a meeting with representatives of the organizational and economic work sector, personnel department

Interviews with employers and Health care practitioners conducted online and included such issues as: knowledge of the mission of the university, participation in the development of the mission and proposals in the strategic plan, participation in the deliberative bodies of the NJSC AMU, satisfaction with the basic knowledge and skills of students, teaching methods, assessment of knowledge and skills of students in the learning process, providing the department and students with the necessary resources for practical training and the formation of clinical thinking, about the problems of interaction with departments and universities in general, employment of graduates, etc. The employers' interest in employment of university graduates was revealed.

EEC had the opportunity to assess educational resources when visiting departments involved in the implementation of educational programmes: Office registrar; center for the transfer of educational and distance technologies; center "electronic university".

**The third day of the visit 08/20/2021.** EEC worked offline. The evaluation of educational resources was continued when visiting the departments involved in the implementation of educational programmes: the training and clinical center and the center for support of publication and library services.

EEC visited the SPE on REM "Multidisciplinary City Children's Hospital No. 1", SPE on REM "Multidisciplinary City Children's Hospital No. 2", SPE on REM "Multidisciplinary City Hospital No.

3", Alanda Clinic, Institute of Radiobiology and Radiation Protection. At clinical sites, experts surveyed the resources of the accredited educational programme, their compliance with bachelor's degree courses, accessibility for teachers and students, compliance with the needs of students, the university, and accreditation standards. It was found that the clinical base of the pediatric profile corresponds to the goals and objectives of the accredited educational programme according to the profile of beds, the number of thematic patients, modern equipment and its availability to all students, and the staff of the department ensure collegial and ethical relations with the medical staff, the leadership of the clinical base to achieve the final results of the educational programmes. Clinical sites have a sufficient number of training rooms equipped with multimedia. At clinical bases, students are allowed to supervise patients, maintain medical records in electronic form, work in various departments of medical and prophylactic organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in practical health care organizations for students.

Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. The experts obtained evidence of compliance with accreditation standards 2 and 6, as well as validation of the information in the self-assessment report of the educational programme. maintenance of medical records in electronic form, work in various departments of medical and preventive organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in practical health care organizations for students. Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. The experts obtained evidence of compliance with accreditation standards 2 and 6, as well as validation of the information in the self-assessment report of the educational programme. maintenance of medical records in electronic form, work in various departments of medical and preventive organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes. Analysis of case patients, work in small groups, presentation of a clinical case for analysis, participation in scientific and practical conferences and seminars is available in organizations of practical health care for students. Before the start of the corresponding discipline of the educational programme, the students receive a syllabus from the teacher and know what skills he must acquire and develop during training. The experts obtained evidence of compliance with accreditation standards 2 and 6, as well as validation of the information in the self-assessment report of the educational programme. work in various departments of medical and prophylactic organizations, participate in morning medical conferences, on rounds, consultations, clinical analyzes.

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Due to the lack of recruitment for the specialty "Pediatrics" interviewing and questioning were not carried out.

In accordance with the NJSC AMU Visiting Programme, EEC members could hold meetings on the basis of the external evaluation on a daily basis. At the final stage of the EEC's work, a discussion of the results of the external assessment, study of documents, results of interviews, interviews, questionnaires were held. The members of the EEC began to design the final report of the EEC. The EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and the criteria for external assessment of the NIC for compliance with the Accreditation Standards of the Bachelor's Degree Programme in Medical Education Organizations of ECAQA". No comments were made by the EEC members. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

By the chairperson of the EEC prof. Kuzgibekova A.B. a final open vote on recommendations for the NJSC AMU and a final vote on recommendations for the ECAQA Accreditation Council were held. Then the chairperson of the EEC for the management and employees of the educational organization announced recommendations on the results of an external assessment within the framework of accreditation for educational programmes of the NJSC AMU.

### **Results of the survey.**

An observer from ECAQA on August 16-17, 2021 conducted an online survey of AMU teachers on the resource <https://webanketa.com/>... In total, 141 AMU teachers were questioned, and 73.05% had more than 10 years of experience. Bachelor's teachers accounted for 43.26%, teaching staff of pediatric departments - 27.6%. 58.57% of the teaching staff are satisfied with the organization of the educational process, 31.21% partially agree. According to 71.63% of respondents at the university, ethics and subordination are observed in relations between colleagues, teachers, management, 21.99% partially agree with this statement. The organization of labor and workplace in this educational organization satisfies 62.41%, in part - 29.79%. 70.21% of the teaching staff agree that there is an opportunity for career growth and development of teacher's competencies at the university, 21.28% partially agree. 66.67% agree with the possibility of engaging in scientific work and publishing research results, 21.28% agree partially. 26.24% agree with the statement "I am satisfied with the salary," 22.7% partially agree. The work of the HR (personnel) service was fully satisfied by 56.74%, partially by 27.66%. Over the past year, 82.27% of the teaching staff have improved their professional competence. 46.81% of respondents are satisfied with the necessary material resources and infrastructure, 40.43% are partially satisfied. 70.21% have the opportunity to realize themselves in a

university as a professional in their specialty, 19.86% partially agree. 63.83% of the teaching staff took part in the development of the educational programme in the discipline. The organization of education supports the participation of teaching staff in conferences (international, republican) in 20.57%; 25.53% of the teaching staff do not consult the management about this; 37.59% were unable to answer this question. 51.77% of respondents believe and to improve their practical skills. 43.26% of the teaching staff are familiar with the programme of social support for teachers, 36.88% are not informed about them. 51.06% of respondents believe that the heads of the university listen to the teaching staff in relation to questions about the educational process, research and development, clinical work, 21.99% - could not answer this question. For approval "Have you been personally involved in activities to prepare for the accreditation of educational programmes?" 29.08% answered positively, 9.93% were engaged in technical support, 16.31% formed sections of the self-assessment report, 18.44% collected information for appendices to the self-assessment report.

### **Conclusion on the basis of the external evaluation:**

Members of the EEC have carefully studied and evaluated the main indicators of the accredited educational programme. The information obtained by external experts during the study of the self-assessment report, preparation of a written review with recommendations for improvement, implementation of the activities of the visit programme of the NJSC AMU was analyzed. All the information received was compared with the data of the self-assessment report, which made it possible to make sure of the accuracy of the information provided by NJSC AMU and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, the AMU described its best practice in adhering to accreditation standards, during the external expert evaluation, the EEC members studied the main documents (mission, strategic plan 2019-2023 and 2020-2024, Pediatrics programmes, individual plans teachers for the 2020-2021 academic year, publications, certificates of teachers, personnel policy, the programme of the internal quality assurance system, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for students to work with literature, patient documentation, educational and methodological literature), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

During the external examination, it was found that clinical bases provide training at all levels of medical care (from primary health care to highly specialized) accredited educational programme, there is a sufficient number of clinical bases, of which are visited by experts 5. During visits to clinical bases, educational resources available for training on the educational programme "Pediatrics".

The experts took into account the fact that the accredited educational programme for the current state educational standard is planned for implementation during the 2021-2022 academic year, therefore, at this time there is no graduation of students, nevertheless, the entire educational, methodological, personnel and resource base has been assessed for compliance with accreditation standards. Through interviews with teachers and interviews with students, it was possible to determine their direct participation in the development (CEPs, meetings of departments), evaluation of educational programmes (CEP), decision-making on a number of key issues in the selection of clinical sites.

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

Recommendations for improving activities in the implementation of the educational programme in the specialty "Pediatrics" for compliance with the Accreditation Standards, developed by the EEC based on the results of the expert assessment, were presented at a meeting with the management on 08/20/2021.

The programme of the 3-day visit of the external expert evaluation of the EEC has been completed in full. On the part of the NJSC AMU staff, the participation of all persons indicated in the programme is ensured.

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

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

#### **4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational programme of a bachelor's degree in the specialty "PEDIATRICS" NJSC AMU and an overview of the strengths for each standard.**

##### **Standard 1: MISSION AND END OUTCOMES**

The mission and vision of the EP in the specialty "Pediatrics" correspond to the mission and vision of NJSC "ICC", the current management system and policy in the field of quality assurance and is communicated to the interested parties in a concise and clear formulation reflecting its declared intentions, through publication on the university website, sent to corporate e-mail, discussed at department and other meetings. OP 6V10118 "Pediatrics" is compiled taking into account the achievements of medical research, agreed with practical Health care professionals and other interested parties, and is available for review on the university website.

Mission of the educational programme (EP) in the specialty "Pediatrics" is aimed at realizing the goal - to train a qualified specialist with the appropriate competence as a pediatrician, who has the skills of diagnosis, differential diagnosis and treatment of the most common childhood diseases. The educational programme of the specialty "Pediatrics" was developed collegially under the guidance of the heads of the departments of pediatric profile, with the participation of the teaching staff and representatives of the academic block of the University. EP was discussed at a meeting of the CEC of the specialty 6B10107 "General Medicine" (Minutes No. 4 dated 04.24.2021), agreed at a meeting of the CEC of the University ([Minutes No. 4 dated 05/04/2021](#)) and approved at a meeting of the Commission on Academic and Scientific Work of the Senate "AMU" ([Minutes No. 7 dated June 24, 2021](#))

The main task of the educational programme is to provide the student not only with mastering a certain amount of knowledge, but also with the ability to constantly acquire additional knowledge, be able to effectively search for and use information for decision-making. In the process of studying at a bachelor's degree, students individually form a learning trajectory, which allows them to subsequently choose a clinical or scientific-pedagogical direction of activity.

The main aspect of social responsibility declared in the mission and goals of NJSC "AMU" is an effective system of professional training that provides the industry with qualified personnel that meet the needs of society.

The University ensures that the mission statement, in its formulation, includes advances in health research and aspects of global health through:

- gradual and systematic development of international cooperation with leading foreign research and educational organizations, in order to actively participate in international projects / programmes;
- continuous study and implementation of successful advanced domestic and foreign experience in the formation of training programmes, to increase the competence of young professionals in the field of health care;
- the creation and formation of a self-teaching culture among students, contributing to continuous



learning, increasing competence, creating conditions for the formation of professional development.

One of the main documents allowing to orient each member of the team towards achieving common goals, concentrating their initiative, enterprise, streamlining their business communication and ensuring a favorable moral and psychological climate is the University's Code of Corporate Culture and Ethics

Since the EP is focused on the expectations of the employer and the needs of the labor market, the elements of the EP, QED are coordinated with employers. Employers, members of professional associations are involved in reviewing the EP, participating in the discussion of the results at meetings of the CEC of specialties and the University. The established final learning outcomes of the programme are formulated in the EP in the specialty and are available for review on the corporate website of NJSC "AMU" in the section "Student", "Employer"

To improve all areas of the university's activities, including the mission, feedback monitoring has been introduced at the University. Feedback results are taken into account when planning improvement work. In general, the use of feedback contributes to a better understanding of the current needs of students and teachers and is systematic in making changes to the educational programme. An example of the effective use of feedback is the annual survey of employers and students to assess the level of satisfaction with educational programmes.

The experts received convincing data that the university is autonomous in making decisions in the development of an educational programme in terms of the elective component, the current and final assessment policy, including the choice of assessment methods (testing, oral questioning, clinical examination), selection and admission of students, personnel policy in relation to educators for the accredited study programme; and resource allocation.

Overall, Standard 1 demonstrates compliance.

**Strengths:**

1. The use of innovative technologies and models of educational programmes contributes to the achievement of the stated mission and goals of the EP in the specialty "Pediatrics".
2. High potential faculty participation of stakeholders in the development of mission, goals and objectives;

**Conclusions of the EEC on the criteria.** Out of 12 standards conform: fully comply - 2, significantly correspond to -10, partially - 0, do not comply - 0.

**Standard 1:** completed

**Standard 2: EDUCATIONAL PROGRAMME**

NJSC "AMU" carries out activities for planning, providing, observing, studying and evaluating, improving and ensuring the quality and integrity of the educational programme, the number of hours and the academic degree awarded. The university develops, approves, manages, regularly evaluates and revises its educational programme in accordance with the institutional policy, which is implemented by the relevant structural units, faculty and takes into account the stated mission and learning outcomes, and available resources. NJSC "AMU" implements an educational programme in the specialty "Pediatrics" on the basis of the regulatory legal acts of the Republic of Kazakhstan - the State Educational Standard of the Republic of Kazakhstan, standard and curricula, syllabuses of modules and disciplines

Since 2021, educational activities have been carried out in accordance with the State Educational Standard of the Republic of Kazakhstan, approved by the Ministry of Health of the Republic of Kazakhstan. According to the State Educational Standard of Education, the EP is implemented according to the curriculum model of the continuous integrated EP "Pediatrics". Upon completion of 6 years of study, an academic degree is awarded - Master of Medicine in the EP "Pediatrics», Qualification - doctor... For continuous integrated EP in the last year of study, internship training is carried out.

Competence in the specialty "Pediatrics" is formed as a result of consistent study of disciplines. Competence is, as a rule, interdisciplinary in nature. For this purpose, the content structure of each

competence is determined, divided into disciplinary parts, relations of competencies and academic disciplines, practical sections involved in the formation of each competence.

The educational programme in the specialty "Pediatrics" provides for the integration of the taught disciplines, both horizontally and vertically. The curricula of the integrated disciplines were developed according to the principles of continuous learning and logical sequence in the study of disciplines, the accumulation of educational achievements and integration.

The modules of clinical rotations end with an integrated exam in 2 stages: integrated tests and the reception of practical skills by the OSCE method, which is accepted by the teachers of all departments implementing the module. The main task of educational programmes is to provide the student not only with mastering a certain amount of knowledge, but also with the ability to constantly acquire additional knowledge, in the context of the development of science, technical achievements and economic growth. This is aimed at the implementation of specific measures providing for the expansion of the use of design technologies and technologies of developmental education, training in the latest clinical developments.

The educational programme in the specialty "Pediatrics" is developed and monitored with the participation of all interested parties. The specialty "Pediatrics" ensures the inclusion of representatives of students, employers, representatives of practical health care organizations, and graduates in the advisory bodies.

The participation of representatives of practical Health care in the training of Health care professionals occurs through their inclusion in the development of an educational programme, in the staff of clinical departments for training, including the implementation of clinical practice under the guidance of a mentor and industrial practice. Representatives of practical health care are constantly included in the certification and examination commissions. Cooperation with professional associations includes conducting guest lectures for students, holding round tables with employers on the compliance of educational programmes with the needs of practical health care, analyzing the state educational standard by specialties with making proposals to supplement and change the content of educational programmes.

At the clinical bases of the AMU located in the Republican scientific centers, multidisciplinary city children's hospitals No. 1, No. 2 and No. 3 and in the children's departments of 13 city polyclinics in Nur-Sultan, students acquire sufficient knowledge and practical skills so that in an internship, under the supervision of children's doctors, take responsibility and independently carry out work to improve the health of the child population, vaccine prevention, promotion of natural feeding, prevention and treatment of childhood diseases.

#### **Strengths:**

1. Developed, discussed and approved the educational programme of the specialty "Pediatrics" at all stages and levels of the University with the involvement of the leading teaching staff of the departments that are members of the Faculty Councils, CEC, Senate, as well as representatives of students and employers.
2. Modern information and communication technologies are used in the management of the processes of the specialty "Pediatrics"
3. Implementation of effective and innovative teaching methods into the educational process.
4. Sufficient number of practice bases and their good material and technical equipment

**Conclusions of the EEC on the criteria.** Out of 25 standards conform: completely - 0, significantly - 25, partially - 0, do not correspond - 0.

**Standard 2:** completed

#### **Standard 3: ASSESSMENT OF STUDENTS**

Methods and practices of control and assessment of knowledge are set out in the regulation PL-AMU-13-20 "On the conduct of intermediate and final certification of students of NJSC" AMU ". Assessment is carried out for all key final results and for all types of activities and is carried out at the university through midterm control, differentiated credits, intermediate and final controls for

disciplines / modules of the specialty curriculum in accordance with the working curriculum. During the entire period of study of disciplines, various types of work are assessed, provided by the syllabus of the discipline. When developing control measures and methods for their assessment, the specificity, volume and educational and pedagogical principles of teaching the discipline are taken into account.

The educational process of the university provides for a differentiated point-rating assessment of knowledge, reflecting the final result of training and the level of training of students in accordance with the requirements of the State Educational Standard of the Republic of Kazakhstan. Responsibility for the policy for assessing the knowledge and skills of students is borne by all relevant structural units of the university. The general criterion for assessing knowledge is a curriculum based on state educational standards and establishing the amount of knowledge, abilities and skills.

In the development of assessment criteria and in the assessment procedure, the main principles are: consistency, variability, awareness, accessibility.

Innovative (interactive) assessment tools introduced into the educational process include standard tests with an additional creative task, rating system of assessment, case method, presentation, discussion, completed project, critical analysis of articles, portfolio, project method, business game, combined lecture, self-assessment and assessment of classmates during work in small groups and conducting PBL, TBL. When evaluating written works studying at the University, the Antiplagiat system is used.

The University conducts a survey to organize feedback, to identify the needs of stakeholders, to study the quality of education processes, improve and improve the activities of all departments of the university. The survey procedure is carried out systematically throughout the entire period of study, consists of a survey of teaching staff, students, graduates, parents of students, employers. The questionnaires can be of different designs, depending on the category of respondents. According to the internal document SU-AMU-21 "Feedback Monitoring" monitoring and analysis of satisfaction and perception of the main consumers is carried out.

Thus, this standard is generally implemented at the university.

#### **Strengths:**

1. Availability of the approved Code of honor of students, the policy of academic honesty of NJSC "AMU"
2. The use of various methods for assessing the educational achievements of students
3. Integrated student assessment
4. The use of AIS contributes to digitalization, transparency of methods for assessing students, and avoids unnecessary paperwork.

**Conclusions of the EEC on the criteria.** Out of 4 standards conform: completely - 0, significantly - 3, partially - 1, do not correspond - 0.

**Standard 3:** completed

#### **Standard 4: STUDENTS**

Admission to NJSC "AMU" is carried out on the basis of legal and internal regulatory acts. On the corporate website of NJSC "AMU" (<https://www.amu.kz/info/Admissions-Committee/For-applicants/>), as well as on official social networks (<https://www.facebook.com/MeduniverAstana/>; [https://www.instagram.com/amu\\_AMU\\_official/](https://www.instagram.com/amu_AMU_official/)) reflects the selection process starting with the acceptance of applications, the criteria for the selection stage and enrollment for each educational programme.

Annually, before the start of the admission campaign, the University will determine the number of admitted students in accordance with the material, technical and resource capabilities.

The student draws up an individual curriculum for each academic year based on the standard curriculum of the specialty and the catalog of elective disciplines. Advisors help students to form an individual curriculum with a choice of direction of study. The reflection of the student's individual educational achievements is recorded in the student's portfolio, which is a way of forming and assessing professional competence that meets all the necessary requirements.

Student representation is provided in all collegial bodies of the University.

The University has a center for youth and sports, 18 student organizations headed by students, whose activities are aimed at conducting a social adaptation and support programme for students. Students receive medical services at the AMU medical center. In order to promote and agitate a healthy lifestyle, students annually participate in the Competitions for the Rector's Cup, the University Cup in 16 sports and the mass race "MUARUN"

The school of supervision and mentoring is actively functioning. foresees

Services for the organization of advisory, psychological, social, legal, financial, medical support for students are actively working for students.

**Strengths:**

1. Active participation of students in the public life of the University, events of city, republican and international scale.
2. At the university for students there are opportunities: to participate in international conferences at the expense of budgetary funding; expanding the academic mobility programme (online, offline) through budget funding.

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

**Standard 4:** completed

**Standard 5: ACADEMIC STAFF / FACULTY**

The personnel policy of NJSC "AMU" is reflected in the documents: Personnel policy approved by the decision of the Management Board dated 20.08.2020 No. 23 and in the "Internal Labor Regulations of NJSC "AMU". The Department of Internal Administration carries out the current procedures for the admission, registration, dismissal of teaching staff and employees. The recruitment of teachers is carried out through a competition for filling vacant positions of teaching staff, the procedure for which is regulated by the Rules for competitive replacement of positions of teaching staff and scientific workers of NJSC "AMU".

The number of the teaching staff is established in accordance with the staffing table of the university. At the beginning of the academic year, the staffing of the departments is approved. The balance of the academic staff of teachers of basic biomedical disciplines, behavioral, social and clinical sciences is observed, which contributes to the implementation of the educational programme in the specialty "Pediatrics".

To improve the effectiveness of students' learning, classes are conducted using interactive teaching methods.

The AMU conducts a rating assessment of the teaching staff for all types of activities in accordance with the Regulations "On the rating for educational, scientific and clinical activities of the teaching staff of the NJSC" Astana Medical University ".

The advanced training system is carried out in accordance with the Development Programme of the teaching staff of the NJSC Astana Medical University for 2017-2021. and the annual plan of professional development of the teaching staff of NJSC "AMU".

**Strengths:**

1. High level of qualifications of the teaching staff of the university, ensuring the quality of educational activities.
2. Implementation of effective mechanisms for the formation and renewal of the staff of the teaching staff at the university (incentive system: differentiated payment, provision of rental housing, etc.).
3. Providing a unified system of teaching staff innovative educational technologies, including with the involvement of specialists from the world's leading medical schools.
4. Availability of own magistracy, residency, doctoral studies.

**Conclusions of the EEC on the criteria.** Out of 5 standards conform: completely -, significantly - 5, partially - 0, do not correspond - 0.

**Standard 5:** completed

### **Standard 6: EDUCATIONAL RESOURCES**

The successful implementation of the Pediatrics programme is facilitated by a high level of material and technical equipment, a sufficient number of clinics and various medical and preventive institutions, research laboratories (Institute of Radiobiology and Radiation Protection (IRRP), Scientific School of Preventive Medicine (SSPM), Scientific School of the Department of General and Biological Chemistry (SSDGBC), Scientific Research Pharmacological Center (SRPC), simulation and interactive classes...

The main clinical bases of the pediatric profile are: SPE on REM "Multidisciplinary City Children's Hospital No. 1", SPE on REM "Multidisciplinary City Children's Hospital No. 2", SPE on REM "Multidisciplinary City Children's Hospital No. 3", medical organizations, respectively, in related disciplines, including polyclinics in Nur-Sultan. During the period of study, students have the opportunity to obtain, master comprehensive skills in the field of pediatric profile and related disciplines with the practical assimilation of the provision of medical services in a hospital, a polyclinic, at the stage of an emergency room, emergency care. All students have access to patients of the appropriate profile, as well as to laboratory, instrumental, necessary research methods, they are on duty in the hospital, in the emergency room under the supervision of a mentor / responsible doctor. The number of specialized patients at the clinical bases of the departments is sufficient for training, a variety of nosological forms of diseases of pediatric and related profiles is noted, which fully meets the requirements of the EP for training in undergraduate and internship programmes. Study rooms are equipped with personal computers, multimedia installations, office equipment.

The University signed agreements on joint activities with 54 medical organizations located in Nur-Sultan...

The university provides free access to students, teaching staff and staff to the Internet and Wi-Fi throughout the university, clinical bases. Information and communication technologies implement distance learning. Digitalization of educational and other processes is active. Students use electronic textbooks, multimedia presentations, electronic video lectures, training programmes, testing programmes, programmes for the formation of an individual learning path and schedule. The university has provided access to high quality information resources: EMBASE, JAYPEEDIGITAL, SCOPUS, ELSEVIER, EPIGRAPH, SPRINGER, access to e-books and reference materials, access to e-journals: MED info, MEDLINE, MedMir.com, the journal "Clinical Medicine of Kazakhstan", etc. The Antiplagiat programme has been introduced. The university has concluded agreements, memorandums of international cooperation and academic mobility. Information about international cooperation is posted on the university website.

#### **Strengths:**

1. A wide selection of clinical sites and the possibility of rotation in various medical institutions, including private clinics;
2. Availability of modern information resources;
3. Large laboratory base of the University;
4. Timely verification and repair of medical equipment used for scientific activities;
5. Accreditation of the testing laboratory of the Institute for Radiobiological Research, which is a structural subdivision of the University;

**Conclusions of the EEC on the criteria.** Out of 19 standards conform: fully - 16, significantly - 1, partially - 2, do not correspond - 0

#### **Recommendations for improvement:**

- 1) Given the insufficient level of modernization of the library, bring the library in accordance with modern requirements and an adequate sanitary and hygienic regime (lighting, humidity, temperature) (Standard 6.1.2; 6.3).
- 2) Ensure compliance with the requirements for providing a production environment for the computer class of the library (Standard 6.1.2).

## **Standard 7: PROGRAMME EVALUATION**

The evaluation of the educational programme is carried out taking into account the mission and development strategy of the university. As part of the development of educational programmes, NJSC "AMU" has established mechanisms for the periodic review, study and evaluation of the implemented educational programmes, which ensures the quality of the programme management process. Educational programmes are regularly studied and evaluated by obtaining feedback from students, teaching staff and stakeholders, including employers, as well as analyzing the educational achievements of students.

Monitoring and evaluation of the programme in the specialty 6B10118 "Pediatrics" in NJSC "AMU" includes the following types of work: monitoring the provision of the educational process with the necessary resources (classrooms, clinical bases, teaching staff, educational literature, classroom fund, equipment, etc.); monitoring the compliance of the curriculum with the requirements of state education standards; monitoring the compliance of the training content of students with the requirements of state educational standards, qualification requirements for specialists, professional standards, trends in the development of science and medicine; monitoring feedback from stakeholders on the quality of the content of the educational programme; monitoring student progress, progress in mastering the competencies defined in the programme.

The key figures in the monitoring and evaluation of the educational programme are specialized departments, a center for academic activity, a center for clinical activity, a COC of the specialty "General Medicine" (it includes the specialty "Pediatrics"), which work in close cooperation with students, practical health care and potential employers of MoH RK.

Monitoring of the implementation of the pediatrics programme is carried out within the framework of the VKK and intra-university control when attending open classes, lectures and other activities of the teaching staff to assess teaching methods and assess the knowledge of students. Intra-cathedral control is carried out by the staff of the department in accordance with the plan of the department. Monitoring of the educational process includes monthly meetings of departments, where they discuss the implementation of students' achievements, the results of quality control of the educational process.

According to the regulatory documents, in order to increase the efficiency of the universities' activities, the Internal Audit Service has been introduced and is actively working in NJSC "AMU". Monitoring of EP implementation is also carried out within the framework of intra-university control and during the internal and external audit of the teaching staff and students.

All stakeholders (teaching staff, students, employers) are involved in the programme evaluation process through representation in the relevant structures.

Within the framework of monitoring, the following are held: scheduled meetings of the management with students and university staff, general meetings; analysis of the survey of students, teaching staff, employers, graduates; analysis of complaints, wishes and reviews from Health care organizations about teaching staff and students; analysis of scientific activities (quantity and quality of scientific products, quantity and level of scientific conferences, seminars, participation in grants, projects); analysis of the implementation of medical work (for clinical departments), taking into account the quantity and quality of the performed medical and advisory work; analysis of the results of the institutional rating of the university and the rating of educational programmes.

### **Strengths:**

1. Availability of academic policy and its annual updating, mechanisms for evaluating the effectiveness, monitoring of the educational programme, including all stakeholders;
2. Availability of a quality control system, taking into account the requirements for achieving the final learning outcomes and mastering the competencies of graduates in this specialty.
3. Improving EP in accordance with the needs of employers.
4. Further strategic partnership with practical health care for the development of a model of competence of a graduate in the specialty, the development and implementation of EP.

### **Recommendations for improvement:**

- 1) Further improvement of the teaching staff competencies in teaching methodology, knowledge assessment, students (standard 7.1; 7.3).

**Conclusions of the EEC on the criteria.** Out of 12 standards conform: fully - , significantly - 11, partially - 1, do not correspond - 0

### **Standard 8: GOVERNANCE AND ADMINISTRATION**

The management system of NJSC “AMU” involves all stakeholders, including the health sector, in the management process, and reflects the responsibility of the academic leadership. The university management system contributes to the achievement of mission and goals, maintains institutional efficiency and integrity, creates and maintains an environment for learning, research and creativity.

On the basis of the principles of customer orientation, leadership of the management and involvement of all employees in the decision-making process, in the management system of the University, in particular, in the management of the educational programme, collegiality of consideration of issues and decision-making is adopted. Several levels of collegial decision-making have been created

The results of academic activities, the effectiveness of modern forms of management of the educational process, the prospects for further improving management and improving the quality of education are considered and discussed in the final reports of the rector, vice-rectors and heads of key structural units at the annual traditional scientific-practical and educational-methodological conferences. To analyze the results and develop measures for improvement, internal commissions are formed (commission for competitive nominations, for holiday incentives, awards, expert commissions for competitions of scientific and technical progress of teaching staff and young scientists, etc.). The results of the commissions' work are heard at a meeting of the Senate and are the basis for measuring and improving the efficiency of the university as a whole.

The volume of financing over the past 5 years has a steady upward trend.

The procedure for organizing the system of remuneration, bonuses and social security for employees of NJSC "AMU" is determined by the Regulations on remuneration, bonuses and social security for employees of NJSC "Astana Medical University"

The basis for the transparency of the management and its decisions is corporate governance. Meetings of the Academic Council and other meetings are broadcast via the social network Facebook.

#### **Strengths:**

1. Participation of students, representatives of practical health care advisory bodies of the university.
2. Transparency of management and decision-making to stakeholders (information on educational programmes, employment, corporate events in Internet resources).
3. Implementation of the programme in accordance with the one developed with the agreement of all stakeholders.
4. Creation of an anti-crisis group to jointly protect the reputation of the university in the event of negative materials that threaten the image of the university.
5. The introduction of distance technologies in the educational process at all levels (a forced measure against the background of the epidemiological situation).

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

**Standard 8: completed**

### **Standard 9: CONTINUOUS RENEWAL**

The management system of NJSC AMU is based on a value-oriented management structure capable of ensuring the achievement of the main goal of an educational institution - the implementation of educational programmes in the context of continuous changes. The university independently develops educational programmes in the appropriate direction, level and profile of training, taking into account the needs of the regional labor market, traditions and achievements of the university's scientific and pedagogical school, in accordance with the National Qualifications Framework, professional

standards and in accordance with the Dublin descriptors. The programme is developed in accordance with the requirements of the State Educational Standard, reflect the learning outcomes, on the basis of which curricula are developed (working curricula, individual curriculum for students) and syllabuses for disciplines / modules. The main function of the programme is the formation of competencies in future specialists in accordance with the requirements for learning outcomes and the implementation of the learning goals declared by the university. Further, the programme is discussed at the collegial bodies of the University, which include representatives of practical health care and students: Faculty Council; Specialty Quality Assurance Committee; University Quality Assurance Committee. The content of the programme is agreed with employers. The educational programme undergoes an external, independent review by expert evaluations and, after making final adjustments, is approved by the Senate. Further, the programme is discussed at the collegial bodies of the University, which include representatives of practical health care and students: Faculty Council; Specialty Quality Assurance Committee; University Quality Assurance Committee. The content of the programme is agreed with employers. The educational programme undergoes an external, independent review by expert evaluations and, after making final adjustments, is approved by the Senate. Further, the programme is discussed at the collegial bodies of the University, which include representatives of practical health care and students: Faculty Council; Specialty Quality Assurance Committee; University Quality Assurance Committee. The content of the programme is agreed with employers. The educational programme undergoes an external, independent review by expert evaluations and, after making final adjustments, is approved by the Senate.

The implemented educational programmes are reviewed, studied, evaluated, which ensures the quality of the programme management process and determines the degree of interaction between teaching, research and training of the policy of ensuring the quality of programmes.

**Strengths:**

1. Participation of employers of practical health care in the development of educational programmes.
2. Development and implementation of professional development programmes within higher educational institutions.
3. The possibility of implementing state programmes of multilingualism and academic mobility of students and teaching staff.
4. Innovative teaching methods PBL, TBL, interdisciplinary teaching has been introduced into the educational programme.

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

*Standard 9: completed*

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

**5. Recommendations for improving the educational programme of the bachelor's degree in the specialty 6B01103 "Pediatrics" NJSC AMU:**

1. Further enhancement of the competence of the teaching staff on the issues of teaching methodology, assessment of students' knowledge.
2. To increase the level of commercialization of the results of the scientific process at the university.
3. Given the insufficient level of modernization of the library, bring the library in line with modern requirements and provide an adequate sanitary and hygienic regime (lighting, humidity, temperature). Provide a production environment in the library's computer lab.



**6. Recommendation to the ECAQA Accreditation Council, the members of the EEC came to a unanimous opinion to recommend that the Accreditation Council accredit the Bachelor's degree programme in the specialty 6B10118 "Pediatrics" for a period of 5 years.**

**Chairperson**

Kuzgibekova Alma Bolatovna



**Foreign expert**

Rakhimov Bahodir Bakhtiyorugli



**Academic expert**

Zhanturiev Bolat Meirbekovich



**Academic expert**

Orakbay Lyazat Zhadigerkyzy



**Representative of employers**

Kozhekenov Dinat Yerikovich



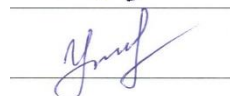
**Resident Representative**

Aumoldaeva Zauze Maratovna



**ECAQA Observer**

Umarova Makpal Aldibekovna



**Quality profile and criteria for external evaluation of the educational programme in the specialty 6B10118 "Pediatrics" (generalized version)**

No. of standard	Accreditation standards  Number of evaluation criteria	BS / SU	Number of standards	Grade			
				Totally coincides	Significantly corresponds	Partially compliant	Does not match
1.	MISSION AND END OUTCOMES	7/5	12	2	10		
2.	EDUCATIONAL PROGRAMME	10/15	25		25		
3.	ASSESSMENT OF STUDENTS	2/2	4		3	1	
4.	STUDENTS	8/6	14		14		
5.	ACADEMIC STAFF / FACULTY	2/3	5		5		
6.	EDUCATIONAL RESOURCES	9/10	19	18	1		
7.	PROGRAMME EVALUATION	6/6	12		12		
8.	GOVERNANCE AND ADMINISTRATION	6/7	13	13			
9.	CONTINUOUS RENEWAL	½	3	3			
	<b>Total</b>	<b>51/56</b>	<b>107</b>	<b>36</b>	<b>70</b>	<b>1</b>	

**Attachment 2**

No.	Inquiry	Confirming data of NJSC "AMU"			
1	Inside the university document on the transition to DLT	Order No. 360-n / k of 08/19/2020 on the organization of the educational process in the 2020-2021 academic year. <a href="#">1. Order 360 nk of 08/19/2020 on org. educational process in 2020-21 academic year.pdf</a>			
2	Regulations on the design of dissertations and projects?	The working instruction "Requirements for the content, design and defense of a master's thesis and project" was approved by the decision of the Board of NJSC "AMU" <a href="#">2. Regulations on the design of dissertations and projects</a>			
3	Report of the admissions committee for the previous 3 years on the recruitment for paid education	The contingent of those who entered the NJSC "AMU" (2018-2021) On a contractual basis: 2018-2019 - 215 applicants; 2019-2020 - 478 applicants; 2020-2021 - 458 applicants;			
4	The results of psychometrics of students who study in rural areas and in cities of the university	878 applicants for the 2019-2020 academic year and 2845 applicants for the 2020-2021 academic year passed psychometric testing on the basis of NJSC "AMU".			
5	15% of students participate in research, the effectiveness of their participation. What departments do these students study in?	The effectiveness of students in research work <a href="#">5. The effectiveness of students in research work</a>			
6	Ranking on the scientific process of the teaching staff for the last 2 years	Faculty rating <a href="#">6. Faculty rating</a>			
7	The position where the recommendations of employers in the development of the implementation of the EP are regulated	7. Review, University Standards: Feedback monitoring, Development of educational programmes			
8	Regulations on the multisystem of the university (what number of teaching staff released video lectures)	No.	Development types	Quantity	Materials are posted on the Platform
		1	Electronic textbook	15	<a href="https://amu.mbook.kz/ru/index/">https://amu.mbook.kz/ru/index/</a>
		2	Thematic video lectures	589	<a href="https://dl.amu.kz/">https://dl.amu.kz/</a>
		3	Practical skills training video	617	<a href="https://dl.amu.kz/">https://dl.amu.kz/</a>
		4	Laboratory training video	12	<a href="https://dl.amu.kz/">https://dl.amu.kz/</a>

		5	Audio lectures	84	<a href="https://dl.amu.kz/">https://dl.amu.kz/</a>
		6	Interactive presentations	3814	<a href="https://dl.amu.kz/">https://dl.amu.kz/</a>
		<p>Working instructions for the development and organization of massive open online courses (MOOCs) in NJSC AMU "</p> <p><a href="https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98-%D0%9C%D0%A3%D0%90-01-21%20%D0%A0%D0%B0%D0%B7%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%BA%D0%B0%20%D0%B8%20%D0%BE%D1%80%D0%B3%D0%B0%D0%BD%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D1%8F%20%D0%BC%D0%B0%D1%81%D1%81%D0%BE%D0%B2%D1%8B%D1%85%20%D0%BE%D1%82%D0%BA%D1%80%D1%8B%D1%82%D1%8B%D1%85%20%D0%BE%D0%BD%D0%BB%D0%B0%D0%B9%D0%BD%20%D0%BA%D1%83%D1%80%D1%81%D0%BE%D0%B2%20(%D0%9C%D0%9E%D0%9E%D0%9A)%20%D0%B2%20%D0%9D%D0%90%D0%9E%20%D0%9C%D0%A3%D0%90.pdf">https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98-%D0%9C%D0%A3%D0%90-01-21%20%D0%A0%D0%B0%D0%B7%D1%80%D0%B0%D0%B1%D0%BE%D1%82%D0%BA%D0%B0%20%D0%B8%20%D0%BE%D1%80%D0%B3%D0%B0%D0%BD%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D1%8F%20%D0%BC%D0%B0%D1%81%D1%81%D0%BE%D0%B2%D1%8B%D1%85%20%D0%BE%D1%82%D0%BA%D1%80%D1%8B%D1%82%D1%8B%D1%85%20%D0%BE%D0%BD%D0%BB%D0%B0%D0%B9%D0%BD%20%D0%BA%D1%83%D1%80%D1%81%D0%BE%D0%B2%20(%D0%9C%D0%9E%D0%9E%D0%9A)%20%D0%B2%20%D0%9D%D0%90%D0%9E%20%D0%9C%D0%A3%D0%90.pdf</a></p> <p>Working instructions for the teaching staff on working in the distance learning system (RI-AMU-13-21)</p> <p><a href="https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%9F%D0%9F%D0%A1%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf">https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%9F%D0%9F%D0%A1%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf</a></p> <p>Developed working instructions for students (RI-AMU-12-21)</p> <p><a href="https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%BE%D0%B1%D1%83%D1%87%D0%B0%D1%8E%D1%89%D0%B8%D1%85%D1%81%D1%8F%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf">https://www.amu.kz/info/employee/ri_AMU/%D0%A0%D0%98%20%D0%B4%D0%BB%D1%8F%20%D0%BE%D0%B1%D1%83%D1%87%D0%B0%D1%8E%D1%89%D0%B8%D1%85%D1%81%D1%8F%20%D0%BF%D0%BE%20%D0%94%D0%9E%D0%A2.pdf</a></p>			
9	Conclusion of the CEC on the comparative effectiveness of teaching methods, possible Report with analysis	CEC Conclusions <a href="#">9. Conclusions of the CEC</a>			
10	Representation of students over the past 2 years in advisory bodies	Participation of students in collegial bodies <a href="#">10. Participation of students in collegial bodies</a>			
11	Research funding for the last 3 years	Science income <a href="#">11. Funding for scientific research in the last 3 years</a>			
12	List of undergraduates and students who participate in grant research	Projects with the participation of students of the AMU 2020 <a href="#">12. Projects with the participation of students of the AMU 2020.docx</a>			

13	Confirming by publications of bachelors (30-40%)	Bachelor publications <a href="#">13. Confirming by publications of bachelors</a>
14	Instructions for ST laboratory of the university	Safety briefing log <a href="#">14. TB journal of sanitary and hygienic laboratories.pdf</a>
15	Mechanism for informing students	Public awareness 2021 <a href="#">15. Public Information 2021.docx</a>
16	Employment of undergraduates (Observation reports for the last 3 years, the results of the study of feedback on employment).	Distribution PROTOCOL 2019-2021 Feedback from students <a href="#">16. Employment in 3 years</a>
17	Employment of bachelors (Observation reports for the last 3 years, results of the study of feedback on employment).	Employment of graduates (Reports for the last 3 years) <a href="#">17. employment of bachelors in 3 years.pdf</a>
18	Feedback on the evaluation of educational programmes (report)	Feedback from students <a href="#">18. Feedback</a>
19	Regulations on the practice of undergraduates	Regulations on the organization of pedagogical, research and production practices <a href="#">19. Regulations on the organization of pedagogical, research and production practice.pdf</a>
20	Regulation on advisers /. Curator	Regulations on training in magistracy. Regulation on the activities of the adviser <a href="#">20. Regulations on adviser + Training in magician</a>
21	Syllabus for any discipline	Syllabuses <a href="#">21. Syllabuses</a>
22	EP for accredited programmes	Educational programmes for accredited programmes <a href="#">23. TC on Hygiene and Epidemiology</a>
23	TC on Hygiene and Epidemiology	RUPs on Hygiene and Epidemiology <a href="#">23. RUPs on Hygiene and Epidemiology</a>
24	IEPs of undergraduates	IEPs of undergraduates <a href="#">24. IEP of the undergraduate.pdf</a>
25	Topics from the DSHR	Topics from the DSHR <a href="#">25. Topics from the DSHR</a>
26	How is the choice of ED and document (QEDs) carried out	The procedure for choosing ED is spelled out in the regulation on the catalog of elective disciplines (paragraph 14 of the Academic Policy, page 25). QED OM 2021-2022. <a href="#">26. QED</a>
27	Analysis of academic performance before Covid-19 and in the context of distance learning	The main indicators of student performance are AP (absolute performance) and QI (qualitative indicator), which, according to the results of the winter exam session 2020-2021 and 2019-2020, decreased slightly by 1% and 4%, respectively. We believe that such dynamics is associated primarily with the transition to DL and the existing technical problems. In this regard, the Faculty Council made a recommendation to provide the opportunity to live in a hostel and provide office equipment for students who do not have access to the Internet. Comparative analysis of academic performance shows that the lowest values of AP and QI are observed in 3rd year students in such disciplines as pathological

		<p>anatomy and pathological physiology. The departments conducted feedback by means of questionnaires.</p> <p>Also, the programme of internal academic mobility is not being fully implemented, and the external one is reduced to zero, which, of course, is associated with the CVI pandemic.<a href="#">27.Progress Report</a></p>
28	Attachments 1 and 10 to qualif. requirements No. 391	<p>Appendices 1 and 10 to Qualitative Requirements No. 391 <a href="#">28. Attachments 1 and 10 to Qualification requirements No. 391</a></p>

