

**REPORT  
OF EXTERNAL EXPERT COMMISSION  
ON THE RESULTS OF THE ASSESSMENT OF THE EDUCATIONAL  
PROGRAMME 7R09140 "GASTROENTEROLOGY, INCLUDING  
CHILDREN'S" OF ASFENDIYAROV KAZNMU FOR COMPLIANCE WITH  
ACCREDITATION STANDARDS OF POSTGRADUATE EDUCATION  
PROGRAMMES (RESIDENTURE SPECIALTIES) OF MEDICAL  
EDUCATION ORGANIZATIONS**

**period of external expert evaluation: 18.11.-20.11.2020**

**1. Composition of the External Expert Commission**

In accordance with ECAQA Order No. 18 of 23.10.2020, an External Expert Commission was formed to conduct accreditation of educational programmes of residency specialties of Asfendiyarov KazNMU in the period 18-20.11.2020 in the following composition:



**Chairman of the External Expert Commission**  
TURGUNOV ERMEK MEYRAMOVICH,  
Doctor of Medical Sciences, Professor of the  
Department of Surgical Diseases of the NJSC  
"Medical University of Karaganda", President of  
the NGO "Surgical Association of the Karaganda  
Region", a member of the International Surgery  
Society, a member of the "Association of  
Independent Experts of Astana" and the "Union  
of Independent experts of KSMU "



**Foreign expert**  
KASHIRSKAYA NATALIA YURIEVNA,  
Doctor of Medical Sciences, Professor, Chief  
Researcher, Laboratory of Genetic Epidemiology,  
Federal State Budgetary Scientific Institution  
"Medical Genetic Research Centre named after  
Academician N.P. Bochkov",  
Moscow, Russian Federation



**National academic expert**  
JUMALINA AKMARAL KANASHEVNA,  
Doctor of Medical Sciences, Professor, Head of  
the Department of Pediatric Diseases with  
Neonatology  
NJSC "West Kazakhstan State Medical  
University named after Marat Ospanov"



**National academic expert**  
RAMAZANOVA RAYGUL  
MUKHANBETOVNA,  
MD, Head of the Hematology Course  
JSC "Kazakh Medical University of Continuing  
Education"



**National academic expert**  
ESENARAYEVA SAULE DAMIROVNA,  
Ph.D., Head of the Department of Medical  
Rehabilitation with the Course of Sports  
Medicine  
JSC "Kazakh Medical University of Continuing  
Education"



**National academic expert**  
BEKETOVA BAYAN BEISENGALIEVNA,  
Candidate of Medical Sciences, Assistant of the  
Department of Clinical and  
radiation oncology  
NJSC "Semey Medical University"



**National academic expert**  
AKHMETOVA ALMIRA KALIKAPASOVNA,  
Candidate of Medical Sciences, Associate  
Professor, Head of the Department of  
Dermatovenereology and Cosmetology  
NJSC "Semey Medical University"



**National academic expert**  
URAZOVA SALTANAT NURGOZHAEVNA,  
Doctor of Medical Sciences, Associate Professor  
of the Department of General Medical Practice  
with a course of evidence-based medicine  
NJSC "Astana Medical University"



**National academic expert**

KALIEVA SHOLPAN SABATAEVNA,  
Candidate of Medical Sciences, Associate  
Professor, Head of the Department of Clinical  
Pharmacology and Evidence-Based Medicine  
NJSC "Medical University of Karaganda"



**National academic expert**

ZHANTELIEVA LAZZAT ASANOVNA,  
Doctor of Medical Sciences, Deputy Chairman of  
the Board for Research Work of JSC "Scientific  
Centre of Urology named after  
B.U.Dzharbusynova "



**National academic expert**

MADYAROV VALENTIN  
MANARBEEKOVICH,  
Doctor of Medical Sciences, Head of the  
Department of Surgery with a course of  
anaesthesiology and resuscitation, Non-Profit  
Organization "Kazakhstan-Russian Medical  
University"



**National academic expert**

SADIEVA ZHANAR ZAMANKHANOVNA,  
anaesthesiologist-resuscitator, head of the  
postgraduate education department of the South  
Kazakhstan Medical Academy JSC



**National academic expert**

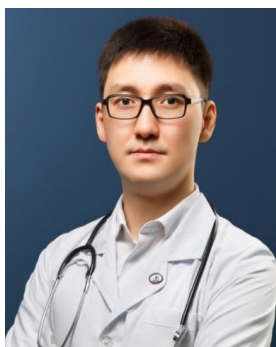
LOVINSKAYA ANNA VLADIMIROVNA,  
Senior Lecturer of the Department of Molecular  
Biology and Genetics, Al-Farabi Kazakh  
National University, Senior Researcher of the  
Research Institute of Biology and Biotechnology  
Problems of the RSE "Al -Farabi Kazakh  
National University"



**Expert Representative of Practical Health**  
**ZHOLDASBAYEVA KYRMYZY**  
**ZHUMABEKOVNA,**  
Deputy Chief Physician for Childhood  
PSE on REM "City polyclinic No. 1", Almaty



**Expert Representative of Practical Health**  
**NARTPAEVA ASEL TARASOVNA,**  
acting Deputy Chief Medical Officer  
PSE on REM "City polyclinic No. 30", Almaty



**Expert - resident representative**  
**BAYASHOV ERDOS NURIDINULY,**  
resident physician for 3 years of training in the  
specialty "Anaesthesiology and Resuscitation,  
including children's»  
JSC "Kazakh Medical University of Continuing  
Education".



**Expert - resident representative**  
**TARASYUKOV ALEXANDER**  
**ANDREEVICH,**  
resident physician for 3 years of training in the  
specialty  
"Anaesthesiology and resuscitation, including  
children's"  
Non-Profit Organization "Kazakhstan-Russian  
Medical University"



**ECAQA Observer**  
**UMAROVA MAKPAL ALDIBEKOVNA**  
Head of Accreditation and Monitoring  
Department

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

The EEC report contains an assessment of the educational programme of residency in the specialty 7R09140 "GASTROENTEROLOGY, INCLUDING CHILDREN'S" of KazNMU for compliance with the Accreditation Standards programmes of postgraduate education (specialty residency) of medical educational institutions of ECAQA, recommendations of the EEC on the further improvement of the educational activities of the university in the field of postgraduate education.

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

### **2.1 Presentation Asfendiyarov KazNMU and the educational residency programme in the specialty 7R09140 "Gastroenterology, including children's"**

In 2020, KazNMU turns 90 and in 2018 the university was reorganized into a non-profit joint-stock company (hereinafter - NJSC) by the Resolution of the Government of the Republic of Kazakhstan dated April 5, 2018 No. 166 and received the status of a research university (resolution of the Ministry of Health of the Republic of Kazakhstan dated 12.11.2018).

In accordance with the Strategy of KazNMU for 2019-2023, the basis of KazNMU's activities is the trinity - the integration of academic, scientific and clinical activities in order to provide high-quality and modern medical care to the population and training of professional personnel. In this regard, by 2018, the university included 5 republican state enterprises, including: JSC Scientific Center for Obstetrics, Gynecology and Perinatology, JSC Scientific Center for Pediatrics and Pediatric Surgery, JSC Scientific Research Institute of Cardiology and Internal Medicine, JSC "Kazakh Research Institute of Oncology and Radiology", JSC "Scientific Center of Surgery named after A.N. Syzganov".

KazNMU is one of the founders of the Academic Demanding League, which aims to improve the quality of education by implementing and promoting the principles of academic honesty. The international information and analytical platform Web of Science in November 2019 awarded KazNMU an independent award "Leader in publication activity in the Web of Science Core Collection over the past 5 years among medical universities of the Republic of Kazakhstan."

KazNMU cooperates with 102 universities, medical and scientific organizations of the near and far abroad, including with TOP-500 universities, implementing joint scientific, research and educational projects.

KazNMU is a full member of international Associations: International Association for Medical Education in Europe (AMEE), European Association of Dental Education (ADEE), World Federation of Dentists (FDI), European Federation of Dentists (EROFDI), European Association of Universities (EUA), International Association of Universities (IUA), the Association of Higher Schools of Management (GSM Barcelona), the World Federation of Pharmacists, the Association for Distance Education "Siberian Open University", the Association of Schools of Public Health in Europe (ASPHER). In 2015, KazNMU became a member of the Association of European Medical Schools (AMSE) and the Organization of PhD Education in Biomedicine and Health Sciences in the European System (ORPHEUS).

Residency was introduced in accordance with the Law "On Education". The first admission to residency was held in 2008. The first issue of residents was carried out in 2010.

For 2020, residency is being implemented in 44 specialties, including 19 educational programmes being accredited for the first time. 605 residents studied at KazNMU from 2017 to 2020. The University trains residents on the basis of 104 clinics, polyclinics, research institutes, and scientific centers. University clinics are: clinic "Aksai", clinic of internal diseases of KazNMU, professorial clinic of KazNMU, dental clinic.

Thus, KazNMU is an innovation-oriented and socially responsible university, a leader in the Republic of Kazakhstan and Central Asia in multi-level training of competitive healthcare and



pharmacy specialists through the implementation of a competence-based model of medical and pharmaceutical education with the wide involvement of domestic and foreign scientists and a constant increase in scientific research. potential.

The main educational, scientific and clinical structural unit of the University, which coordinates training at the second stage of medical education in one or more related specialties, is the Dean's Office of Internship and Residency, renamed from August 3, 2020 to the Faculty of Postgraduate Education. The dean's office unites all the departments related to the specialties included in the internship and residency, as well as those general scientific and fundamental departments that, in terms of the content of their work, are closest to the profile of the second level of higher medical education.

## **2.2 Information on previous accreditation**

Accreditation of the educational residency programme in the specialty 7R09140 "Gastroenterology, including children's" has not yet been carried out.

## **2.3 Analysis of the self-assessment report of the educational programme of residency in the specialty 7R09140 "Gastroenterology, including children's".**

Self-assessment report of the educational programme in the specialty 7R09140 "Gastroenterology, including children's" is presented on 120 pages of the main text, applications on 10 pages and copies or electronic versions of documents on the organization of education, located at the link <https://kaznmu.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/rezidentura/>

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 the information provided to the accredited educational programme. The report is accompanied by an accompanying letter signed by the rector prof. T.S. Nurgozhin confirming the accuracy of the information and data contained in the report.

The report contains information about the representative of KazNMU, responsible for the self-assessment of educational programmes, Ph.D. Zhankalova Zulfiya Meirkhanovna, Dean of the Faculty of Postgraduate Education.

Self-assessment of educational residency programmes carried out on the basis of the order on the basis of the order dated 04.08.2020 No. 337 "On approval of the composition of the working group for preparation for accreditation educational programmes of specialties of residency".

The working group on the preparation of the self-assessment report has done a certain amount of work: the content of the accredited educational programme, the conditions for its implementation, staffing, educational resources have been analysed, the necessary information has been collected in accordance with Accreditation standards for postgraduate education programmes (residency specialties) 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.

## **2.4 General assessment of the educational programme of residency in the specialty 7R09140 "Gastroenterology, including children's" for compliance with the Standards of accreditation of programmes of postgraduate education (specialty residency) of medical educational institutions**

Based on the analysis of the self-assessment report by external experts, it was found that the content of the self-assessment report is structured in accordance with the ECAQA accreditation standards and the recommendations of the Self-Assessment Manual, 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 consistently 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 numbered consecutively. There are links to regulations, model rules, regulations, educational documents, website pages <https://kaznmk.kz/rus/postupajushhim/postdiplomnoe-obrazovanie/rezidentura/>

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 KazNMU for training residents in the specialty 7R09140 "Gastroenterology, including children's" taking into account the beginning of admission of students in 2018, 2019, well-reasoned data, examples of the implementation of the objectives of the educational programme, national and international events, methodological support, confirming compliance with the requirements of accreditation standards. Self-assessment report description fairly complete and updated software the number of residents, teachers, administration, information on selection and admission, training results, knowledge and skills assessment results, material and technical base of the university and clinical bases, contractual obligations with partners (universities, associations, bases), financial information, development plans and improvement, etc.

### 3. Description of external expert evaluation

External expert work on the assessment of the educational programme of residency 7R09140 "Gastroenterology, including children's" of KazNMU was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by order of the Director General of the "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Healthcare" No. 5 2017) and according to the programme and schedule approved on 08.11.2020 by the Director General of ECAQA Sarsenbayeva S.S. and agreed with the rector T.S. Nurgozhin...

To obtain objective information on the expert assessment of the accredited educational programme in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU, members of the EEC used the following methods: interviews with management and administrative staff, interviews with residents, observation, study of the website, interviewing employees of various structural units, teachers, questionnaires of teachers and residents, review of resources in the context of the implementation of accreditation standards, study of 14 educational and methodological documents both before the visit to the university and during the visit.

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

The KazNMU staff ensured the presence of all persons indicated in the visit programme and according to the lists of interview sites (tables 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.  | Bayldinova Clara Zhenisovna     | Vice-rector for academic affairs               |
| 2.  | Zhankalova Zulfiya Meirkhanovna | Dean of the Faculty of Postgraduate Education  |
| 3.  | Tashetova Aigul Balabekovna     | Director of the Department of Academic Affairs |
| 4.  | Nagasbekova Bayan Serikkanovna  | Head of Human Resources Development Department |
| 5.  | Kulzhakhanova Samal Sagatovna   | Head of the Alumni Career Centre               |
| 6.  | Tulepbaeva Gulzhan Sovetovna    | Head of Clinical Department                    |
| 7.  | Tuleyev Bakhyt Izidinovich      | And about. director of the university clinic   |
| 8.  | Saliev Timur Muydinovich        | Head of the B.A. Atchabarova                   |
| 9.  | Syzdykova Aigul Temirbulatovna  | Deputy CFO                                     |

|     |   |   |
|-----|---|---|
| 10. | Modovov Nurbol Alimbaevich  | Library manager   |
| 11. | Zhanbolatova Gulnara Abzhanovna                                   | Deputy library manager  |
| 12. | Talkimbaeva Naylya Anuarovna                                      | Head of the simulation centre                                   |
| 13. | Nurmakhanova Zhanat Makhmutovna,<br>Ensegenova Zoya Zharbulatovna | Committee of educational programmes                             |
| 14. | Kalieva Meruert   | Secretary Academician of the Committee                          |
| 15. | Kirin Ofer Pavlovich  | Plastic surgery, including pediatric surgery, 2 course, 19PH-01 |
| 16. | Batyrkhanov Maksat Nurzhanovich                                   | Plastic surgery, including pediatric surgery, 2 course, 19PH-01 |
| 17. | Deryabin Leon Pavlovich   | Head of the Department of Plastic Surgery                       |
| 18. | Nadyrov Momunzhan Talgatovich                                     | Assistant of the Department of Plastic Surgery                  |
| 19. | Dyachenko Anton Nikolaevich                                       | Clinic "Promoitalia" department of surgery                      |
| 20. | Terzieva Irina Rulanovna  | Director of the clinic "Promoitalia"                            |

**The first day of the visit is 11/18/2020.**

An interview with the management and key employees of KazNMU made it possible to determine the fulfillment of most of the criteria of 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 postgraduate education in clinical direction in the strategy of the university (plan), mechanisms in determining the appropriate specialty of residency of clinical sites 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 accredited residency programme is relatively new, since the first enrollment of the student took place in 2019-2020, the experts studied the documentation in detail,

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

The basis for effective management is the Quality Assurance Policy of KazNMU and the "Policies of the Chairs" developed at the departments of residency, as well as adherence to the Quality Guidelines when documenting the educational process (QMS has been constantly supported and certified since 2012).

Conversation with the Dean of the Faculty of Postgraduate Education Zhankalova Z.M. allowed experts to learn about approaches to attracting employees of clinical bases for teaching residents, about the strategy and tactics of recruiting residents for different specialties, information security of postgraduate education, as well as identifying problems in the management and development of human resources, since most practicing doctors do not know the teaching methodology.

The conversation with the head of the Department of Gastroenterology made it possible to find out about the teaching staff involved in the preparation of residents of the accredited educational programme, about the clinical bases where residents are trained, about the appointment of clinical mentors, the development and implementation of the accredited educational programme, methods of its assessment.

**The second day of the visit is 11/19/2020.**

This day was devoted to visiting clinical bases for the implementation of residency programmes, including affiliated with the Kazakh National Medical University (KazNMU), scientific centres and research institutes (SRI) (SRI of Internal Medicine, Scientific Centre (SC) of Obstetrics, Gynecology and Perinatology, Scientific Centre of Oncology). At clinical sites, experts conducted a survey of the



resources of the accredited educational programme in the specialty 7R09140 "Gastroenterology, including children's", their relevance to training courses in residency, accessibility for teachers and residents, to what extent this equipment is modern and meets the needs of students and practical health care.

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 in the specialty 7R09140 "Gastroenterology, including children's". The commission in the amount of 3 people studied the documentation presented by the supervising department, and also a meeting with residents of the 1st and 2nd year of study was organized. Teaching in the specialty 7R09104 "Gastroenterology, including children's" is carried out on the basis of large and advanced multidisciplinary clinics, research centres, which allows residents to get a holistic vision of a patient with gastroenterological pathology, to manage patients with a polymorbid background. This contributes to the acquisition of good clinical practice by the residents, the ability to think independently and, after graduation, to be able to work independently at a high professional level.

The main clinical base of the Department of Gastroenterology is the Research Institute of Cardiology and Internal Medicine (agreement on cooperation, chief physician Kuanyshbekova Roza Tokhtanalievna). Also, the clinical bases of the department are: Central City Clinical Hospital (CCCH), City Hospital of Emergency and Emergency Aid (CHE&EA), Gastrohepatocenter. All clinics have a wide profile of gastroenterological and emergency departments, which allows residents to see and supervise a sufficient number of patients with a variety of pathologies corresponding to the cycle of disciplines. The clinics where residents do practice are ISO (International Organization for Standardization) certified and form a patient-centered work style aimed at ensuring patient safety, correct identification, effective communication.

At the main clinical base in the Research Institute of Cardiology and Internal Medicine, consultative and diagnostic and inpatient substitute medical care is provided. In the Research Institute of Cardiology and Internal Medicine there are clinical departments of cardiological, therapeutic profiles, a department of cardiac surgery with a laboratory for artificial circulation, a department of endovascular surgery, an anesthesiology, resuscitation and intensive care department, a rehabilitation department, a day hospital, a department of functional and radiation diagnostics, the Republican Allergological Centre, consultative -diagnostic centre, department of endoscopy and interventional gastroenterology, clinical diagnostic laboratory. There is a hospital with 455 beds (currently 180 beds), a day hospital with 20 beds.

Clinical bases have a sufficient bed fund, and the Department of Gastroenterology - a sufficient number of classrooms for conducting practical exercises of independent work of residents. The research institute has 3 training rooms.

At the moment, 6 resident gastroenterologists of 1 year of study - Agzamova Zukhra, Nazarov Bekbol, Abdykadyrov Mazhit, Sakta Man Aikerim, Iskakov Aidos, Mustafaeva Diana - are being trained at the clinical base.

The second base of the Department of Gastroenterology is the Gastrohepatocenter at the SPE No. 5 polyclinic, the head physician of the 5th polyclinic is Kambarova Gulshahira Azhimukhanovna, the head of the gastrohepatocenter is Nugmanova Balzhan Tursunkhanovna. At the clinical base in the city polyclinic No. 5 (Gastrohepatocenter), with an outpatient level of specialized medical care, residents have the opportunity to learn the tactics of managing patients on an outpatient basis, continuity between the primary and inpatient levels of care. Specific diagnostic techniques worked out at the Gastrohepatocenter can also be mastered by residents of the gastroenterological profile. In the Gastrohepatocenter 1 resident of 2 years of study (Atasheva Roza) is trained.

On the same day, interviews with teachers, residents and employers (representatives of practical health care) took place. It is necessary to take into account the fact that there has not yet been a graduation from an accredited educational programme, however, the experience and authority of KazNMU in training residents (since 2007) shows a high percentage of employment (> 90%) of

graduates of other residency programmes and their demand by medical organizations in all regions of Kazakhstan.

Interview with faculty as providers of the specialty residency programme 7R09140 "Gastroenterology, including children's" KazNMU, showed that there are both successes and problems in the management of the educational programme, depending on the specific clinical base (admission of residents to the equipment, a sufficient number of thematic patients, time to maintain medical records, independent work residents). 2 teachers were present. The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers. On the same day, experts studied materials on the admission of residents and the selection of teachers.

Residents were interviewed to validate the performance of the self-assessment report data and to obtain evidence of the quality of the programmes. There were 2 residents of the 1st and 2nd year in the specialty 7R09140 "Gastroenterology, including children's". The experts asked questions about satisfaction with studying at the university, sufficient time for practical training, supervision of patients and work with medical records, as well as satisfaction with teaching methods and qualifications of teachers. In general, residents are satisfied with the training, assessment methods, and purposefully entered this university, since they believe that KazNMU has excellent clinical bases and experience in teaching residents, at the same time, residents would like to work more independently with patients. especially prompt assistance and more modern literature and interactive teaching methods when dealing with complex cases. Residents believe that they will receive a good education and will be able to work independently after graduating from the university.

Residents showed their commitment to the organization of education, were active in answering questions from external experts, demonstrated their judgment on organizing training, assessing their skills, consulting support, opportunities to participate in research and development, funding, etc.). The experts studied the documents of residents (portfolio, results of assessment of residents-checklists, results of a questionnaire survey of residents).

Interview with 2 employers according to the educational programme of residency declared for accreditation in the specialty 7R09140 "Gastroenterology, including children's" KazNMU was 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 KazNMU, satisfaction with the basic knowledge and skills of residents, participation in training of residents through mentoring, provision of 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, the employment of residency graduates, etc.

### **The third day of the visit November 20, 2020**

A review of resources showed that the clinical base of the Department of Gastroenterology corresponds to the goals and objectives of the accredited educational programme for the profile of beds, the number of thematic patients, modern equipment and its availability to all students, and the department staff provide collegial and ethical relations with the medical staff, the leadership of the clinical base to achieve the final results educational programme. The clinical base has 8 training rooms, despite the fact that most of the time residents spend at the patient's bedside and in the diagnostic departments. Before starting the corresponding discipline of the educational programme, the resident receives a syllabus from the teacher and knows what skills he must acquire and develop during the training.

Experts studied documentation of the Department of Gastroenterology, which confirmed the compliance with accreditation standards (nomenclature of the department's affairs, plan for 5 years, annual plan for the 2019-2020 academic year and report for 2019, journal of residents' progress, EMCD, feedback questionnaires with residents, teachers, reports on the results of the questionnaire and the measures taken, the code of ethics, etc., control and measuring instruments), including documentation (staff of the teaching staff, individual plans of teaching staff, IEP and portfolio of

residents, evaluation of the educational programme by external reviewers, distribution of scientific directions and scientific advisers of residents) at the request of EEC members.

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

A meeting of the EEC members took place. 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 for the residency programme the Department of Gastroenterology". No comments were made by the EEC members on the accredited EP. Recommendations for improving the postgraduate education sector in general and the department implementing the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairperson of the EEC prof. Turgunov E.M. a final open vote on recommendations for KazNMU 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 organisation announced recommendations based on the results of an external assessment in the framework of accreditation of educational programmes for residency specialties.

**Questioning.** An observer from ECAQA in November 16-18, 2020 conducted an online survey of KazNMU residents and teachers on the resource <https://webanketa.com/>.

**Residents survey results:**

The total number of responding residents - 154. Of the total number of respondents, residents of the specialty "family medicine" prevailed - 40%, further on the list: pulmonology - 12%, clinical pharmacology - 12%, therapy - 11%, pediatric oncology and hematology - 6%, general surgery 4%, pediatric surgery - 3%, medical genetics - 2%, other specialties - 1% each.

Will recommend this university as an educational organization - 69% fully agree, partially - 26%. 71% of the respondents fully agree and 23% partially agree that programme managers and teaching staff are aware of their learning problems. Fully (64%) and partially (29%) are satisfied with the conditions and equipment of classrooms and classrooms of the university. According to 62% (in full) and 26% (in part) office equipment is available for residents in practice bases. Teachers provide residents with methodological and didactic materials, additional literature to prepare for classes - 73% fully agree, partially - 22%. Fully (72%) and partially (25%) are satisfied with the library fund and resources. 76% of respondents have access to electronic educational resources, and 20% believe that it is partially.

The organization of clinical training for residents in the opinion of 81% fully satisfies them, and 15% partially. Fully (74%) and partially (22%) are satisfied with the teaching methods. There is enough time for practical training (supervision of patients, etc.) - 82% fully agree, partly 13%. Satisfied with the methods of assessing my knowledge and skills - 78% fully agree, partially 21%. According to 73% of teachers in the classroom, they use active and interactive teaching methods regularly, and according to 23% - rarely.

According to 81% of the respondents, teachers constantly provide feedback after the end of classes, but according to 16% - sometimes and 2% - rarely. 81% of respondents are fully satisfied that they are studying at a university, partially 16%, disappointed - 1% of respondents. The university allows you to improve or acquire the necessary knowledge and skills in the chosen specialty of residency 82% are sure, 7% are not sure, 9% cannot give an answer, 1% would like to believe it, 1% began to doubt it. Fully (76%) and partially (23%) are satisfied with the organization of teaching at KazNMU.

According to 71% of respondents, accreditation is a necessary mechanism to improve educational programmes, but 12% believe that it is not necessary to carry out and 14% doubt the answer. The work of the EEC was assessed as positive - 74%, satisfactory - 14%, i.e. most.

### **Results of the survey of teachers of residency programmes:**

The total number of teachers on the list is 40. The total number of respondents is 39, including those with up to 5 years of experience - 18%, up to 10 years - 21%, over 10 years - 62%. 59% are fully satisfied with the organization of the educational process, partially - 33%. At the university, ethics is observed and subordination is fully agreed by 72%, partially - 26%. 67% of respondents are completely satisfied with the organization of work and workplace, partially 26%. In the organization there is an opportunity for career growth and development of competence for teachers - 67% fully agree, partially - 26%.

In this educational organization, teachers have the opportunity to engage in scientific work and publish research results - 72% fully agree, 23% partially. 59% of respondents are fully satisfied with the work of the personnel department, 28% are partially satisfied. The majority of those surveyed have undergone advanced training for the last 5 years. Only 69% fully agree that they can realize themselves as professionals, and 29% partially. Unfortunately, 33% did not answer the question of whether the university supports the teacher in participating in international and national events, and 21% did not address this to the management or the relevant administrative staff of the university. The majority of respondents (74%) fully agree, and 23% partially agree that residents have free access to patients and clinic resources. In a practical lesson, teachers provide residents primarily with syllables (87%), control and measuring instruments (90%), case studies (72%). The level of prior training of residents upon admission to training programmes is fully satisfied by 28% of respondents, partially - 62%. 58% of respondents do not know about the implementation of social programmes to support teachers and 8% of respondents doubt about their existence. Management and administration systematically listen to the opinion of teachers - 28%, sometimes - 28% of respondents. When teaching residents, a variety of teaching methods are used, but more often work in small groups (74%), analysis of situational tasks (90%), oral questioning and analysis of a topic (74% and 87%, respectively), also problem-oriented training (62%), solving tests (64%), less often cases are compiled and solved (56%). Completely according to 59%,

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

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

Members of the EEC have carefully studied and assessed the main indicators of the accredited educational programme. The information received 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 KazNMU was analysed. 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 to KazNMU and supporting documents for compliance with the ECAQA Accreditation Standards.

Despite the fact that in the self-assessment report of the educational programme, KazNMU described its best practice in observing accreditation standards, during the external expert evaluation, the EEC members studied the main documents (mission, strategic plan until 2023, teaching materials of disciplines, syllables, control and measuring instruments, checklists, portfolio of residents, individual plans of residents for the 2019-2020 academic year, publications of teachers, rules for admission to residency, personnel policy, internal quality assurance system programme, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available for residents to work with literature, patient documentation, educational and methodological literature), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

When conducting an external examination, the Rules for the training of medical personnel in residency were taken into account (order of the Minister of Health of the Republic of Kazakhstan



dated September 18, 2018 No. ҚР DSM-16), paragraph 13. It was established that the clinical bases of all residency programmes are 106, which provide training for all levels of medical care (from primary health care to highly specialized). The accredited educational programme has 1 clinical base, of which 1 was visited by experts. 1. The volume of study load and treatment and prophylactic work in specialties is determined by the individual work plan of the student of residency (item 14) for one year and is monitored by monthly reports of the resident in any form. The accounting of completed tasks is drawn up in the form of a portfolio according to the recommendations in the syllabus.

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

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

The experts took into account the fact that the accredited educational programme for the current state educational standard is being implemented for 2 academic years, 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), the assessment of educational programmes (CEP), decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for admission and assessment of residents, development of the content of individual plans of residents and selection of mentors.

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

Recommendations for improving activities in the implementation of the educational residency programme in the specialty 7R09140 "Gastroenterology, including children's" on 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 November 20, 2020.

The programme of the 3-day visit of the external expert evaluation of the EEC has been fully completed. On the part of the KazNMU team, 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 residency programme in full in accordance with the Regulation on the External Expert Commission, the Guidelines for the external assessment of the medical organization ECAQA education.

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



The clinical base where the residents are trained - the largest scientific centre in the country with specialized departments, highly qualified personnel, allows creating conditions for high quality training for residents under the educational programme 7R09140 "Gastroenterology, including children's".

The experts took into account the fact that the accredited educational programme in the specialty 7R09140 "Gastroenterology, including children's" according to the current state educational standard, it is implemented for 2 academic years, 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), the assessment of educational programmes (CEP), decision-making on a number of key issues in the choice of clinical sites, topics of electives, participation in the appeal commissions for admission and assessment of residents, development of the content of individual plans of residents and selection of mentors.

Despite the fact that in the self-assessment report of the educational programme of KazNMU described his best practice in compliance with accreditation standards, during an external expert evaluation by EEC members studied according to an accredited educational programme studied 18 documents, videos on learning resources, which made it possible to identify the compliance of the activity educational organisations accreditation standards...

Recommendations for improving activities in the implementation of the educational programme of residency in the specialty 7R09140 "Gastroenterology, including children's" for compliance with the Accreditation Standards, developed by the EEC based on the results of an expert assessment, were presented at a meeting with the leadership on November 20, 2020.

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

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

The presented materials adequately reflect the criteria of this standard.

Mission of the NJSC "Asfendiyarov KazNMU" is aimed at serving society through the training of competitive specialists in the treatment, preservation and strengthening of people's health, improving health care through the integration of advanced educational, scientific and medical technologies". The mission of the educational programme (EP) in the specialty 7R09140 "Gastroenterology, including children's" is aimed at realizing the mission of the University by training a qualified doctor in gastroenterology with a system of universal knowledge and professional competencies, capable and ready for independent professional activities in the treatment of gastroenterological diseases.

An educational programme for residents in the specialty 7R09140 "Gastroenterology, including children's" was first created in connection with the addition of 05/31/2019 No. KR DSM-89 to the Order of the Minister of Health of the Republic of Kazakhstan N 27.53 "On approval of the lists of clinical specialties of training in internship and residency" dated January 30, 2008 and an addition from 02/21/2020 No. KR DSM-12/2020 to the order of the acting Minister of Health and Social Development of the Republic of Kazakhstan No. 647 "On approval of state compulsory standards and standard professional training programmes in medical and pharmaceutical specialties" dated July 31, 2015.

The mission of the EP was brought to the attention of all employees of departments, residents by posting on the university website ([www.kaznmu.kz](http://www.kaznmu.kz), website "Residency"). Responsible for the residency programme, the Department of Gastroenterology, NJSC Asfendiyarov KazNMU applies a variety of innovations in the learning process, allowing the development of basic and special

competencies of residents, namely, work at the patient's bedside, clinical analyzes, solving situational problems, protecting case histories, training in laboratories. At the same time, the involvement of residents in the scientific work of the department is insufficient, is not of a systemic nature (1.1.7), it is more carried out on the initiative of the residents themselves. The university has developed a Student Ethics Code, which residents are familiar with and work on the development and improvement of communication skills is carried out systematically and integrated into the work programme. At the same time, the participation of practical health care in the development of the mission and goals of the educational programme is not sufficiently reflected, expert evaluation is formalized and feedback from practical health care is not collected when forming optional components.

**Strengths:**

Orientation of educational programmes of residency in the specialty 7R09140 "Gastroenterology, including children's" on the expectations of the employer and the needs of the labor market; the focus of the educational process on the formation of professional responsibility, clinical skills, knowledge and skills to protect the patient's health, the desire for continuous self-improvement, continuous professional development and lifelong learning, carries out strategic partnerships with international partners (universities, associations).

**Conclusions of the EEC on the criteria.** Out of 17 standards conform: completely -9 standards basic standard (BS), improvement standard (IS) - 2, significantly - basic standard (BS) -1, improvement standard (IS) - 5, partially - 0, do not match - 0.

**Standard 1:** completed

**Recommendations for improvement identified during the external visit:** not

**Standard 2: EDUCATIONAL PROGRAMMES**

Accredited specialty residency programme 7R09140 "Gastroenterology, including children's" is implemented in accordance with the State Compulsory Standards and Model Professional Curriculum for Medical and Pharmaceutical Specialties dated July 31, 2015 (as amended by the order of the Ministry of Health of the Republic of Kazakhstan dated February 21, 2020 No. KP DSM-12/2020 Chapter 2. Requirements for the content of educational programmes of residency with a focus on learning outcomes) for 2 years and during this period, a lot of work has been done to develop educational and methodological materials, organize a place for training residents, form the composition of departments and identify mentors. A model of residents' competencies has been introduced in accordance with the qualification requirements for the specialty. The structure, content and duration of the programme are clearly defined. The mechanism for the development and approval of the residency programme is determined and regulated by the CEP.

The teachers of the departments use a variety of methods of active (business games, brainstorming, clinical analyzes, case studies, etc.) and traditional (oral analyzes, mini-lectures) training, according to which staff members are periodically trained within the university, less often in other organizations (Nazarbayev University, NJSC "MUK", etc.). All learning conditions are provided with consistency, continuity of their content, consistent development of all competencies, taking into account their continuity.

The model of the educational programme based on the established final learning outcomes of residents and the qualifications they receive is also ensured by the transparency of training. The dean's office is trying to monitor this process and, through the School of Pedagogical Skills, train newly hired teachers. Due to the availability of clinical bases for residents, they spend most of their study time in close contact with patients, medical records, including automated health care systems. Residents are taught by mentors to work with the latter. When conducting interviews with residents, experts were convinced that the organization of training and work is patient-oriented, at the same time, there is not always a sufficient number of thematic patients, time for theoretical analysis of complex topics and study of literature in modern databases. Clinical training is carried out in the conditions of accredited multidisciplinary clinics and highly specialized scientific centres in Almaty

and the region. 7R09140 "Gastroenterology, including children's" 10 mentors in clinics that carry out their activities in accordance with the Regulation on mentors. No precedents of inequality, lack of ethics or other violations of a gender, cultural or religious nature have been established in the process of external assessment.

During the examination of the educational programme, it was found that the scientific foundations and methodology of medical research, evidence-based medicine are applied, at the same time, residents are not fully involved in the scientific work of the departments, they do not have clearly defined research topics, performance criteria, including clinical trials.

Thus, the educational residency programme in the specialty 7R09140 "Gastroenterology, including children's" demonstrates the integration between education and health care.

**Strengths:**

the educational programme in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU was developed in accordance with the regulatory requirements and the needs of practical health care; in the preparation of residency students, a credit-modular system and an integrated training approach in the preparation of residents are used.

The educational programme provides training in various clinical settings - research institutes, in highly specialized hospitals, in municipal hospitals, in polyclinics, family medicine organizations, simulation centres are used to improve skills.

**Conclusions of the EEC on the criteria.** Out of 31 standards conform: fully - 21 basic standards (BS), improvement standard (IS) - 6, significantly - basic standard (BS) - 1, improvement standard (IS) - 3, partially - 0, do not match - 0.

**Standard 2: completed**

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

- 1) Develop quantitative indicators for the implementation and assessment of scientific work by residents.
- 2) The scientific component should be prescribed in thematic plans in the form of the implementation and defense of scientific projects.

### **Standard 3: ASSESSMENT OF TRAINEES**

The policy and procedure for assessing learning outcomes within the EP in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU is carried out using criteria developed in accordance with the goals and objectives for the implementation of EP and awarded qualifications within the framework of the current point-rating system for assessing knowledge and control of the educational process in accordance with directive, regulatory and internal documents. Resident assessment policies and methods are reviewed and approved at a meeting of the Internship and Residency Education Programmes Committee (CEP)... The general policy, principles, methods of assessing residents in KazNMU are reflected in the following internal documents: Academic policy of the University No. 195 of 28.08.2019; The regulation on current monitoring of progress, intermediate and final certification of students of NJSC KazNMU is spelled out in the Academic Policy for the 2019-2020 academic year and approved by the Board. Minutes No. 5 dated 28.08.2019. The results of the achievement of students are displayed in electronic journals of the AIS "Sirius"

KazNMU provides for an official procedure for considering applications / appeals by residents. A resident who has completed the course programme in full, but has not received the minimum transfer score, in order to increase the average grade, is given the opportunity to re-study certain disciplines in the summer semester on a paid basis and re-pass exams on them.

**Strengths:**

Formation and assessment of all key competencies of the graduate of the residency of the Republic of Kazakhstan; a transparent procedure for assessing educational achievements at all stages of training a student of residency; active participation in research work, which must necessarily end with the publication of a scientific article or a report at scientific and practical conferences with

instilling in students the skills of research work; monitoring the development of learning outcomes by residency students through feedback.

**Conclusions of the EEC on the criteria.** Out of 11 standards conform: completely -5 basic standard (BS), improvement standard (IS) - 4, significantly - basic standard (BS) -2, improvement standard (IS) - 0, partially - 0, do not match - 0.

**Standard 3: completed**

**Recommendations for improvement identified during the external visit: no**

#### **Standard 4: TRAINEES**

In KazNMU on the specialty 7R09140 "Gastroenterology, including children's" KazNMU conducts systematic career guidance work aimed at preparing and selecting students who deliberately chose educational programmes. At the department in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU, there are conditions that ensure the stability of the recruitment of residency students for training in educational programmes. KazNMU, specialty 7R09140 "Gastroenterology, including children's", KazNMU analyzes and evaluates the main indicators of educational results and constantly monitors the employment and career growth of graduates, as well as interacts with employers to improve the quality of training. In order to facilitate the employment of University graduates, the alumni career centre annually conducts personal distribution of graduates with the participation of representatives of health departments, pharmaceutical companies and departments for public health protection of the Republic of Kazakhstan. The duration of the development of the educational programme of residency in the specialty depends on the previous level of education or work experience and is 2 or 3 years, depending on specialties. Specialty 7R09140 "Gastroenterology, including children's" KazNMU duration of which is 2 years.

But in view of the CVI pandemic, changes have been made in the admission rules that the university can make on its own on the basis of autonomy: the acceptance of documents in the specialty 7R09140 "Gastroenterology, including children's" KazNMU was carried out in an online format and the entrance exams were changed in a format where instead of a traditional interview, all personal achievements of the student will be taken into account with an online interview.

#### **Strengths:**

Ensuring high qualifications of the teaching staff of the departments involved in the implementation of the educational programme; Training of residents in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU is carried out in the advanced clinical centres of the city of Almaty, where innovative results of scientific activity have been introduced.

**Conclusions of the EEC on the criteria.** Out of 30 standards conform: completely -18 basic standard (BS), improvement standard (IS) - 12, significantly - basic standard (BS) -0, improvement standard (IS) - 0, partially - 0, do not match - 0.

**Standard 4: completed**

**Recommendations for improvement identified during the external visit: no**

#### **Standard 5: TRAINERS**

Personnel policy, being one of the strategic priorities in the development of the university, is aimed at ensuring qualification requirements for the implementation of educational programmes, maintaining the professional potential of the teaching staff, creating conditions for increasing professional motivation and career growth of teachers, creating a favorable moral and psychological climate in the team. The teaching staff of the university meets the qualification requirements for licensing educational activities and the profile of educational programmes; All activities of the teaching staff in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU correspond to the mission, goals and objectives of the university. Teaching staff in the specialty 7R09140 "Gastroenterology, including children's".

When drawing up the staffing table for the new academic year, in order to conduct classes for residents, a mandatory requirement for teachers is the availability of basic education, compliance



with the code of the specialty of the academic degree, academic title (for example, obstetrics and gynecology, nephrology, pediatrics) and work experience. Since the training of personnel in residency is carried out in a clinical specialty, the level of qualifications of the teaching staff plays an important role, the requirements should include the availability of the first or the highest medical qualification category for employees, the availability of a doctoral degree and a candidate of medical sciences.

**Strengths:**

1. Asfendiyarov KazNMU is the bearer of the best traditions of the national medical school; has a national status, is a leader in the system of higher education in universities of the Republic of Kazakhstan, postgraduate and continuing medical education in the Republic of Kazakhstan, in the general rating and rating of educational programmes

2. Teaching staff of the department in the specialty 7R09140 "Gastroenterology, including children's" KazNMU - strengthen the culture of excellence; preserve and develop unique traditions; honor the history of the University and its legendary personalities, introduce the principles of pedagogical management, actively cooperate with Kazakhstani and foreign universities.

3. KazNMU has a certificate of ISO 9001: 2015 accreditation "Educational activities in the field of higher and post-graduate education; medical services, fundamental and applied scientific research in the field of medicine", valid until 06/18/2023.

4. PPP the department consists of highly qualified employees with scientific achievements, high medical qualifications, who are experts in health care and medical education.

**Conclusions of the EEC on the criteria.** Out of 7 standards conform: completely -5 basic standard (BS), improvement standard (IS) - 2, significantly - basic standard (BS) -0, improvement standard (IS) - 0, partially - 0, do not match - 0.

**Standard 5:** *completed*

**Recommendations for improvement identified during the external visit:** *no*

**Standard 6: EDUCATIONAL RESOURCES**

The material and technical base of the university includes: lecture halls, study rooms, educational and research laboratories, a library, information technology facilities, premises for the cultural and social sphere, university clinics, clinical bases - leading medical clinics in Almaty. Kaz NMU has a unified system of library and information services. Taking into account the needs of the departments and the analysis carried out, DEMW forms university-wide applications for the purchase and publication of textbooks, teaching aids for the new academic year. The scientific library of KazNMU signed agreements with international companies for access. Constant work is underway to improve the IT technologies and infrastructure of the university. The uninterrupted operation of the Internet was ensured, a local computer system was created, system of video broadcasting of lectures in classrooms, a unique computer product AIS KazNMU has been developed and implemented. To connect clinical departments located in remote areas to the Internet, it is planned to introduce mobile Internet and purchase 3JETUSB modems for them.

Clinical Experimental Laboratory (CEL) is a scientific-methodical and educational support unit of the SRIFM named after B.A. Atchabarova, was created on the basis of the decision of the Academic Council No. 35 of September 30, 2012 in order to ensure the educational process for the development of practical skills by residents, as well as to improve the level and quality of scientific research in terms of clinical and experimental substantiation, approbation of treatment methods and preclinical trials of new drugs.

**Strengths:**

sufficient material and technical base for training residency students in specialties; for the development of clinical competencies, the university provides an educational programme with clinical bases in accordance with the level of medical care, the profile of patients of different ages; the university provides opportunities for independent training of students, providing access to educational resources of the library and the Internet; direct joint activities of residency students with



employees of clinical bases in all areas of their activities, at all stages of providing medical qualified and specialized care;

**Conclusions of the EEC on the criteria.** Out of 21 standards conform: completely -9 basic standard (BS), improvement standard (IS) - 11, significantly - basic standard (BS) -1, improvement standard (IS) - 0, partially - 0, do not match - 0.

**Standard 6: completed**

**Recommendations for improvement identified during the external visit: no**

### **Standard 7: PROGRAMME EVALUATION**

Monitoring and evaluation of EP in the specialty 7R09140 "Gastroenterology, including children's" of KazNMU is carried out at all levels, a multilevel approach is used, including profiling / graduating and related departments, the profile Committee of the educational programme, DAD, Academic Committee, Senate, student government, Centre for admission and vocational guidance of students (general monitoring of the quality of educational programmes through a survey of stakeholders (employers, professional associations and students)). The University has a system of control over the quality of preparation of educational and methodological documentation, including the content of educational programmes. The university has developed a system for evaluating educational programmes, which provides for the evaluation of programmes at the stages of planning, implementation, analysis of results and implementation of changes, which allows you to monitor the process of educational implementation and progress of students. The process of improving the EP is implemented through a specialized CEP, which includes groups of experts on various issues of the educational process (monitoring of the educational process, development of educational programmes, development of CIS, interactive teaching methods, a group on language competence, publishing), based on the results of a survey of residents, teaching staff, employers. The process of improving the EP is implemented through the profile CEP, which includes groups of experts on various issues of the educational process (monitoring the educational process, developing educational programmes, developing CIS, interactive teaching methods, a group on language competence, publishing), based on the results of a survey of residents, teaching staff, employers. The report of the chairperson of the FSA on the results of certification of residents is annually heard at the Council of the dean's office, AC of KazNMU. Based on the results, an action plan is developed, aimed at improving and eliminating the identified problems and shortcomings in the educational programme.

#### **Strengths:**

the university has formed a system for monitoring and evaluating the educational programme,

**Conclusions of the EEC on the criteria.** Out of 15 standards conform: completely -10 basic standard (BS), improvement standard (IS) - 4, significantly - basic standard (BS) -0, improvement standard (IS) - 1, partially - 0, do not match - 0.

**Standard 7: completed**

**Recommendations for improvement identified during the external visit: not**

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

KazNMU has developed and approved the main internal document defining the scope of duties and powers of the University in relation to EP residency, including the obligation to provide the educational process in full with all the necessary information sources and access to network educational resources, including "Academic policy "(decision of the Board, minutes No. 5 of 28.08.2019). This document is guided by the dean's office and departments in the management of the educational residency programme. Coordination of the implementation, control and monitoring of the implementation of residency programmes in all licensed specialties is carried out by the dean's office of the faculty of internship and residency under the supervision of the vice-rector for academic activities (Rector's Order No. 577 dated July 20, 2018) for the educational process and the provost for clinical activities. The transparency of EP management is carried out: by the functioning of the quality management system (QMS); through the discussion of educational and methodological

documentation on the residency programme at meetings of departments / modules, CEP, AC of KazNMU and after receiving their positive opinion, is approved by the vice-rector for academic activities; the presence of internal regulations (academic policy) governing the implementation of the residency programme; the functioning of the system for collecting feedback from stakeholders, the functioning of collegial advisory management bodies, which include university staff and students.

To ensure effective planning of the implementation of the educational programme in the specialty 7R09140 "Gastroenterology, including children's" KazNMU, by the beginning of the academic year, the staffing table (number of teaching hours, number of teachers), class schedule, etc. is formed. A system of independent internal audit has been created and is functioning in KazNMU (Standard 8.4. "Governance and Administration", clause 8.4.1).

**Strengths:**

continuous organizational, coordination and administrative work aimed at achieving the mission of the educational programme; transparency of the management system and decisions made; the responsibility of the academic leadership in relation to the development and management of the educational programme is determined; stable financial condition of the University; extensive collaboration with partners in the health sector.

**Conclusions of the EEC on the criteria.** Out of 15 standards conform: fully - 8 basic standard (BS), improvement standard (IS) - 6, significantly - basic standard (BS) - 0, improvement standard (IS) - 1, partially - 0, do not match - 0.

**Standard 8: completed**

**Recommendations for improvement identified during the external visit: not**

## **Standard 9: CONTINUOUS RENEWAL**

An important condition for the continuous improvement of the postgraduate educational process is the assessment of the quality of learning outcomes / competencies, assessment of knowledge and skills, the learning environment of the programme. The CEP has experts assessing the quality of training sessions with residents, a group of testologists, and the contingent of a group of experts and testologists is renewed annually by attracting specially trained young employees. In KazNMU, the implementation of the teaching staff training programme has begun, according to the approved Model of the competencies of the teacher of KazNMU: advanced training courses for the teaching staff of the departments of KazNMU have been conducted according to the Model of competencies, which made it possible to introduce innovative methods of teaching residents. A convincing example of the process of continuous improvement of approaches to the implementation of EP residency is the active participation of stakeholders.

The work carried out allows for continuous improvement in various areas of the university's activities. Based on the results of the analysis by the management, decisions are made on improving and improving educational management, justifying the need to make changes to the EP quality management system, including updating educational documentation.

**Strengths:**

teaching staff participation in training events (seminars, master classes, conferences); comprehension of their own experience in the implementation of pedagogical technologies in the educational process; exchange of experience on the introduction of pedagogical technologies into the educational process with colleagues from other educational and scientific organizations implementing residency programmes; EP management processes, including monitoring, evaluation and revision. An important area of work of the departments is the formation of stable partnerships with independent experts from practical health care who are invited to take exams.

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

**Standard 9: completed**

**Recommendations for improvement identified during the external visit: no**

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 residency in the specialty "Gastroenterology, including children's" KazNMU:**

- 1) Develop quantitative indicators for the implementation and assessment of scientific work by residents.
- 2) The scientific component should be prescribed in thematic plans in the form of the implementation and defense of scientific projects.

### 7. Recommendation to the ECAQA Accreditation Board

The members of the EEC came to a unanimous decision to recommend to the Accreditation Council to accredit the educational programme of residency in the specialty "Gastroenterology, including children's" for a period of 5 years

|   |                                   |   |
|---|-----------------------------------|---|
| <b>Chairman</b>                         | Turgunov Ermek Meyramovich        |    |
| The foreign expert                      | Kashirskaya Natalia Yurievna      |    |
| Academic expert                         | Zhumalina Akmaral Kanashevna      |    |
| Academic expert                         | Ramazanova Raigul Mukhanbetovna   |    |
| Academic expert                         | Esengaraeva Saule Damirovna       |    |
| Academic expert                         | Beketova Bayan Beysengalieva      |    |
| Academic expert                         | Akhmetova Almira Kalikapasovna    |   |
| Academic expert                         | Urazova Saltanat Nurgozhaevna     |  |
| Academic expert                         | Kalieva Sholpan Sabataevna        |  |
| Academic expert                         | Zhantelieva Lyazzat Asanovna      |  |
| Academic expert                         | Madyarov Valentin Manarbekovich   |  |
| Academic expert                         | Sadieva Zhanar Zamankhanovna      |  |
| Academic expert                         | Lovinskaya Anna Vladimirovna      |  |
| Representative of practical health care | Zholdasbaeva Kyrmyzy Zhumabekovna |  |
| Representative of practical health care | Nartpayeva Asel Tarasovna         |  |
| The representative of the residents     | Bayashov Erdos Nuridinuly         |  |
| The representative of the residents     | Tarasyukov Alexander Andreevich   |  |
| The observer ECAQA                      | Umarova Makpal Aldibekovna        |  |

**Quality profile and external evaluation criteria (summary)**  
**Of educational programme in the specialty of residency in the specialty**  
**"GASTROENTEROLOGY, INCLUDING CHILDREN'S" of KazNMU**

| <b>Standard</b> | <b>Criteria for evaluation</b>                          | <b>Assessment</b>        |                                  |                            |                       |
|-----------------|---|--------------------------|----------------------------------|----------------------------|-----------------------|
|                 |   | <b>Totally coincides</b> | <b>Significantly corresponds</b> | <b>Partially compliant</b> | <b>Does not match</b> |
|                 | <b>Number of standards = BS * / SU</b>                  |                          |                                  |                            |                       |
| <b>1</b>        | <b>MISSION AND END OUTCOMES</b><br><b>17 = 10/7</b>     | <b>9/2</b>               | <b>1/5</b>                       |                            |                       |
| <b>2.</b>       | <b>EDUCATIONAL PROGRAMME</b><br><b>31 = 22/9</b>        | <b>21/6</b>              | <b>1/3</b>                       |                            |                       |
| <b>3.</b>       | <b>ASSESSMENT OF TRAINEES</b><br><b>11 = 7/4</b>        | <b>5/4</b>               | <b>2/0</b>                       |                            |                       |
| <b>4</b>        | <b>TRAINEES</b><br><b>30 = 18/12</b>                    | <b>18/12</b>             |                                  |                            |                       |
| <b>5</b>        | <b>TRAINERS</b><br><b>7 = 5/2</b>                       | <b>5/2</b>               |                                  |                            |                       |
| <b>6.</b>       | <b>EDUCATIONAL RESOURCES</b><br><b>21 = 10/11</b>       | <b>9/11</b>              | <b>1/0</b>                       |                            |                       |
| <b>7.</b>       | <b>PROGRAMME EVALUATION 15 = 10/5</b>                   | <b>10/4</b>              | <b>0/1</b>                       |                            |                       |
| <b>8</b>        | <b>GOVERNANCE AND ADMINISTRATION</b><br><b>15 = 8/7</b> | <b>8/6</b>               | <b>0/1</b>                       |                            |                       |
| <b>9</b>        | <b>CONTINUOUS RENEWAL</b><br><b>4 = 1/3</b>             | <b>4</b>                 | <b>0</b>                         |                            |                       |
|                 | <b>Total: 151 = 91/60</b>                               | <b>86/50</b>             | <b>5/10</b>                      |                            |                       |
|                 |   | <b>151</b>               |                                  |                            |                       |



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

| No. | Names of documents   | number | Date approved |
|-----|--|--------|---------------|
| 1.  | The work plan of the department for the 2020-2021 academic year                                    | 1      |               |
| 2.  | Educational programme in Russian   | 1      | 08/24/2020    |
| 3.  | Educational programme in Kazakh language   | 1      | 08/24/2020    |
| 4.  | Methodological security map  | 1      |               |
| 5.  | Order for those responsible for the EP   | 1      | 09/30/2020    |
| 6.  | Academic mobility order  | 1      | 02.02.2020    |
| 7.  | Clinical bases   | 1      |               |
| 8.  | Department regulations   | 1      | 02/11/2020    |
| 9.  | Academic policy of the university  | 1      | 28.08.2019    |
| 10. | Academic calendar  | 1      | 08/14/2020    |
| 11. | IEP of student residency   | 2      | 02.09.2019    |
| 12. | The act of introducing scientific achievements into the educational process                        | 2      | 04/20/2015    |
| 13. | Clinical Mentoring Statement   | 1      |               |
| 14. | SOP "Rules for the current monitoring of student progress"   | 1      | 11.11.2019    |
| 15. | SOP "Organisation and conduct of intermediate and final control" of the student                    | 1      | 11.11.2019    |
| 16. | SOP "Organisation and Conduct of a Written Exam"   | 1      | 11.11.2019    |
| 17. | SOP "Procedure for the development of tasks in test form"  | 1      | 11.11.2019    |
| 18. | SOP "Development and approval of a system for assessing educational achievements"                  | 1      | 11.11.2019    |
| 19. | SOP "Organisation and Conduct of the Final State Attestation of Graduates"                         | 1      | 11.11.2019    |
| 20. | Composition of the IGA Appeal Commission   | 1      | 11.11.2019    |
| 21. | The system for assessing the educational achievements of residents for the 2020-2021 academic year | 1      |               |
| 22. | List of Resident Mentors   | 1      |               |
| 23. | Resident Curator List  | 1      |               |
| 24. | Job descriptions of the staff of the department  | 5      | 02.09.2019    |

