

REPORT
OF THE EXTERNAL EXPERT COMMISSION ON THE RESULTS OF THE EVALUATION
OF THE EDUCATIONAL PROGRAMME OF DOCTORSHIP ON SPECIALTY
“MEDICINE” ASFENDIYAROV KAZNMU ON COMPLIANCE WITH
STANDARDS FOR ACCREDITATION PHD PROGRAMME IN BIOMEDICAL AND
HEALTH SCIENCES

period of external expert evaluation: 22.12.-24.12.2020

1. Composition of the External Expert Commission

In accordance with ECAQA Order No. 23 dated 07.12.2020, an External Expert Commission was formed to conduct accreditation of educational programmes in the specialty "Medicine" (bachelor's, master's, doctoral PhD) Asfendiyarov KazNMU in the following composition:



Chairman of the External Expert Commission
KUZGIBEKOVA ALMA BOLATOVNA,
Candidate of Medical Sciences, Professor of the
Department of Children's Diseases
NJSC "Medical University of Karaganda",
Honorary Worker of Education of the Republic of
Kazakhstan, winner of the medal V.G. Leibniz
(2012), M. Pettenkofer (2014) European
Scientific Society, Accredited independent expert
on the assessment of the quality of medical
services.



Foreign expert
OLEG MIKHAILOVICH URYASIEV,
MD, Professor, Head of the Department of
Faculty Therapy with courses of Endocrinology,
General Physiotherapy, Clinical Pharmacology,
Occupational Diseases and Military Field
Therapy, Vice-Rector for Academic Affairs
Ryazan State Medical University named after
Academician I. P. Pavlov, Ministry of Health of
the Russian Federation.

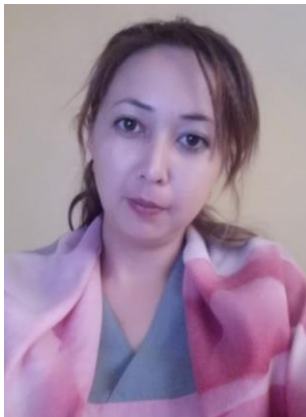


National Academic Expert
KAUYSHEVA ALMAGUL
AMANGELDINOVNA,
Ph.D., Vice-rector for educational and scientific
activities
Kazakhstan Medical University "VSHOZ"
Accredited independent expert in assessing the
quality of medical services, Deputy Chairman of
the Board of the Regional Public Organization
"Kazakhstan Alliance of Medical Organizations".



National Academic Expert

ERMUKHANOVA LYUDMILA SERGEEVNA,
Candidate of Medical Sciences, Head of the
Department of Public Health and Public Health
of the NJSC "West Kazakhstan Medical
University named after Marat Ospanov", training
coach for MSHI in the Western region.



Expert - representative of undergraduates

KHUSAINOVA ZHANAR
ZHANATBEKOVNA,
master's student of 2 years of study in the
specialty " Medicine»
JSC "Kazakh Medical University of Continuing
Education", doctor of ultrasound diagnostics



ECAQA Observer

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

The EEC report contains an assessment of the PhD degree programme in the specialty "Medicine" Asfendiyarov KazNMU for compliance with the Standards of accreditation of medical educational institutions of ECAQA, recommendations of the EEC for further improving 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 PhD doctoral programme in the specialty "Medicine"

In 2018, the University was reorganized into a non-profit joint stock company (NJSC) in accordance with 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 November 12, 2018).

Educational activities in NJSC KazNMU are carried out in accordance with the Constitution of the Republic of Kazakhstan, with the Law of the Republic of Kazakhstan dated July 27, 2007 No. 319 "On Education", "On Approval of the State Programme for the Development of Healthcare of the Republic of Kazakhstan for 2020 - 2025", "State Programme for the Development of Education of the Republic of Kazakhstan for 2011 - 2020" and "State programme for the development of health care of the Republic of Kazakhstan "Densaulyk" for 2016-2019", "On approval of the State Programme for the Development of Health Care of the Republic of Kazakhstan for 2020–2025", by-laws of the Ministry of Education and Science of the Republic of Kazakhstan and the Ministry of Health of the Republic of Kazakhstan, as well as in accordance with ISO 9001: 2015.

Since 2006, KazNMU started training bachelors, since 2007 - masters and since 2009 - PhD doctoral students. Currently, in accordance with the state license No. KZ74LAA00017008 dated 19.09.2019. training is carried out in Kazakh, Russian and English languages at the undergraduate and postgraduate levels of education.

The university successfully implements dual education involving employers in the development and implementation of educational programmes and field training for interns and residents in the regions of the Republic of Kazakhstan, branches of KazNMU in Taldykorgan, Taraz and Kyzylorda and other regions of Kazakhstan.

In KazNMU from 2016 to 2020, 5422 people received postgraduate education, including 4356 interns, 322 undergraduates, 122 doctoral students, 719 residents.

Employment of graduates of the magistracy of KazNMU in 2017-2018 academic year was 100%, in 2018 -2019 academic year - 100%, in 2019 - 2020 academic. year - 96%.

In accordance with the Strategy of NJSC Asfendiyarov KazNMU for 2019 - 2023. the basis of KazNMU's activity 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 (<https://kaznmu.kz/rus/programma-razvitiya-NJSC-kaznmu/programma-razvitiya-NJSC-kaznmu/>).

The university has 13 academic buildings with a total area of 64,601.2 square meters, a gym, 7 dormitories for 2860 places with a total area of 25,559.2 square meters (until 2018).

In 2018, at the expense of the university, a new dormitory for 512 places was opened. The structure of NJSC Asfendiyarov KazNMU included republican state enterprises: Scientific Centre for Obstetrics, gynaecology and Perinatology; Scientific Centre for Pediatric and Pediatric Surgery; Research Institute of Cardiology and Internal Medicine; Kazakh Scientific Research Institute of Oncology and Radiology and Scientific Centre of Surgery named after A.N. Syzganov.

KazNMU conducts training for students on the basis of 108 clinics, polyclinics, research institutes, scientific centres, including 6 affiliated with the university - 5 scientific research institutes and scientific centres (scientific centre named after A.N. Syzganov, SCOGP, SCPPS, KSRICIM, KRIOR, as well as 1 UK). The structure of the united University clinic includes: clinic "Aksai", clinic of internal diseases of KazNMU, professorial clinic of KazNMU, dental clinic.

The staff of the University is 2993 people. Of these, the teaching staff - 1283, including academicians - 9, doctors of sciences - 151, candidates of sciences - 401, PhD doctors - 20. Holders of the grant of the Ministry of Education and Science of the Republic of Kazakhstan "The best teacher of the Republic of Kazakhstan" are 21 university teachers.

Since 2018, KazNMU has a certificate of institutional accreditation for 5 years. 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.

KazNMU is a member of the following international associations: The Association for Medical Education in Europe (AMEE); Association Siberian Open University; UNAI - United Nations Academic Impact Programme.

During the period of implementation of KazNMU, 140 agreements on cooperation with universities, medical and scientific organizations of 35 countries of near and far abroad have been concluded. Within the Erasmus + programme signed agreements with European universities - Finland, Lithuania, Spain, Estonia, Italy.

In 2012, the Dissertation Council began operating in KazNMU for conferring a PhD degree in the specialty "Public Health", in subsequent years in the specialties "Medicine", "Technology of pharmaceutical production", "Nursing".

In 2016, within the framework of grant funding (MoH RK, MES RK), 7 research projects were carried out in the amount of 57090.0 million tenge. 43 projects financed by other sources (foreign, intra-university, domestic, as initiative ones) in the amount of 256372.6 million tenge. In 2017, there were 12 projects in total, of which - 1 within the framework of programme-targeted funding (MHSD RK, MES RK), 7 - within the framework of grant funding (MoH RK, MES RK), 4 - with other sources of funding for a total of 75 8804.2 million tenge. In 2018, there were also 11 projects, of which 1 within the framework of programme-targeted financing (MHSD RK, MES RK), 6 - within the framework of grant financing (MoH RK, MES RK), 4 - with other sources of funding for a total amount of 106,559 million tenge. In 2019, 14 projects, including 1 within the framework of programme-targeted financing (MoH RK, MES RK), 5 - within the framework of grant financing (MoH RK, MES RK), 8 - with other sources of financing for a total amount of 65,923 million tenge.

Operational and communicative competencies in the educational model of KazNMU are practiced at the Simulation Centre named after K. Kozhakanov, which was updated in 2020 through the acquisition of modern high-tech simulators and dummies.

Thus, KazNMU is an innovation-oriented and socially responsible university, a leader in Central Asia in the 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 potential.

At KazNMU, training at the bachelor's and internship levels in the specialty "General Medicine" is coordinated by the School of General Medicine-1, School of General Medicine-2, the International Faculty, the Faculty of Postgraduate Education. The dean's office for master's and doctoral studies coordinates master's studies.

The main task of the magistracy of NJSC Asfendiyarov KazNMU is to provide the university with its own qualified personnel. In KazNMU from 2016 to 2020, 322 undergraduates received postgraduate education.

In NJSC "KazNMU" the educational programme for the preparation of a doctoral student in terms of research activities is implemented in accordance with the strategic plan for the development of scientific and medical research of NJSC "KazNMU", taking into account the priority areas of modern science. The material and technical base is maintained at a sufficient level to ensure the educational process in accordance with the approved curriculum work plans, plans for educational and methodological and research work. Innovative technologies are being introduced in the educational process at all levels of training of teaching personnel using technical means (electronic board, multimedia projectors, laptops, netbooks).

In the system of the remote format of conducting training sessions, organized on the dis.kaznmu.kz (Moodle) platform, various platforms ZOOM, Skype, Classroom are used, with the presentation of a contact through a distance. This new direction of study has been practiced since 2020. There are many reading rooms for the preparation of doctoral students. Reading rooms are available in all hostels.

The library has acquired a large base of electronic resources:

1. [Cochrane Library](#)
2. [DynaMed Plus](#)
3. [eBook Clinical Collection](#)
4. MEDLINE Complete

5. Sciencedirect - Subscription under a national license at no charge
6. [Scientific & Medical ART Imagebase](#) - free of charge
7. SCOPUS - Free National License Subscription
8. [EBSCO Discovery Service](#)...
10. "Epigraph"
11. Paragraph Medicine
12. RIEL - Republican Interuniversity Electronic Library

IN NJSC "KazNMU" named after S.D. Asfendiyarov there is a sufficient material and technical base, there is a tendency to increase information and communication resources; automated information systems have been created and are functioning. The rational management of the fund of educational and scientific literature of the library, electronic library resources is ensured. The material and technical base contributes to the further development of the academic mobility of doctoral students of the university, in order to conduct scientific research in the field of health.

2.2 Information on previous accreditation

The accreditation of the educational programme of PhD doctoral studies in the specialty "Medicine" is carried out for the first time.

2.3 Analysis of the report on self-assessment of the educational programme of doctoral studies in the specialty "Medicine"

Study Programme Self-Assessment Report doctoral studies (initial accreditation) NJSC Kazakh National Medical University named after S. D. Asfendiyarov " specialty 6D110100 - Medicine presented on 58 pages and contains 5 annexes according to the relevant standards. Attached to the self-assessment report list members working group on self-assessment and preparation for doctoral accreditation from an indication of the responsibility of each member of the internal commission; information about the person responsible for the self-assessment for compliance with Accreditation Standards educational programmes ECAQA.

Specialized self-assessment NJSC Kazakh National Medical University named after S. D. Asfendiyarov" carried out on the basis of order dated 04.08.2020 No. 337 "On approval of the composition of the working group for preparing for accreditation educational programmes ".

The content of the Self-Assessment Report is structured in accordance with the ECAQA Accreditation Standards and includes a description of the strengths, areas for improvement for each standard.

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 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 named after S. D. Asfendiyarov, responsible for self-assessment of educational programmes for doctoral studies in the specialty "Medicine", Dean magistracy and doctoral studies Ivanchenko N.N.

Self-assessment of educational programmes of KazNMU them. S. D. Asfendiyarov carried out on the basis of order dated 04.08.2020 No. 337 "On approval of the composition of the working group for preparing for accreditation educational programmes in the specialty "Medicine" (bachelor's, master's, doctoral PhD).

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 programmes of higher and postgraduate education 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.

The report identified areas for improvement, for example:

- reflect the mechanisms for achieving internationalization of doctoral programmes;
- criteria for selecting foreign institutions for training doctoral students and foreign scientific consultants.

- a list of leading medical research organizations and institutions of the near and far abroad should have been attached, with which the medical education organization entered into an agreement on cooperation in the implementation of the PhD doctoral programme, indicating the data of the foreign co-director of the doctoral student;

- in which medical and scientific organizations doctoral students were trained in accordance with the educational programme and with an individual plan during the last 3 years, in which areas of training, indicating the duration of training;

- reflect, how the management of the educational programme includes elements of an interdisciplinary approach in the process of performing the dissertation research.

- to present how the process of updating the expected final learning outcomes is carried out, how often, on the basis of what indicators and who implements and controls this process.

- give specific examples of the participation of doctoral students in various kinds of scientific events initiated by the scientific supervisor.

- reflect what mechanisms of support for publications of doctoral students exist in the university. Provide information on writing and defending a dissertation in different languages (state, Russian, English) for 5 years. Indicate how the process of obtaining and analysing feedback from potential employers for the implementation of the modification of the educational programme is carried out. However, these and other questions were fully answered during the visit to the organization and during the interview.

3. Description of external expert evaluation

External expert work on the assessment of the educational programme of doctoral studies in the specialty Medicine of KazNMU named after S.D. Asfendiyarov was organized in accordance with the Guidelines for the external assessment of educational organizations and educational programmes of ECAQA (approved by the order of the Director General of the NU "Eurasian Centre for Accreditation and Quality Assurance in Higher Education and Health Care "No. 5 of February 17, 2017) and according to the programme and schedule approved on December 7, 2020 by the Director General of ECAQA Sarsenbaeva S.S. and agreed with the rector T.S. Nurgozhin...

To obtain objective information on the expert assessment of the accredited educational programme, members of the EEC used the following methods: interviews with management and administrative staff, interviews with students, observation, study of the website, interviewing employees of various structural units, teachers, questioning teachers and students, review of resources in the context of the implementation of accreditation standards, the study of 17 educational and methodological documents both before the visit to the university and during the visit. Access to the Bachelor's Programme "General Medicine" https://drive.google.com/file/d/1espuv4m_RfQdGV33xqw94N0xkaQCGe65/view?ts=5fe2b480, the master's degree was https://drive.google.com/drive/folders/16BBS0gaErhurgJa12bhhc1s2JmZX0QTf?Usp=sharing_eil&ts=5fe184c8 and doctoral programme <https://drive.google.com/drive/folders/1mRnHTjzuAqIwDUhgOEzZ7pVglZLfyqGY>

The sequence of the visit within 3 days is detailed in the Visit Programme, which is located in the documentation of the Eurasian Accreditation Centre and the OKOiZ and in the appendix to this report.

The first day of the visit is 12/22/2020. An interview with the management - vice-rector Bayeldinova K. Zh. and key employees of KazNMU made it possible to determine the fulfilment of

most of the criteria for accreditation standards 1,2,5,7,8,9, namely, to identify approaches to the development of the mission of the educational programme and its compliance with the strategic goals of the university until 2023, the role and place of higher and postgraduate clinical education in the university strategy (plan), mechanisms in determining the appropriate specialty "Medicine" clinical bases (more than 100) and qualified teachers, guarantees of the adequacy of educational resources through planning public procurement and concluding agreements with country and international partners (108 contracts).

Conversation with the dean of General Medicine Shopaeva G.A. and the dean of foreign students Dzhardemalieva N.Zh. made it possible to clarify information about the dynamics of the student population, including foreign students; to find out approaches to the admission and selection of students, as well as the recruitment of foreign students (mainly from India, Jordan). This interview enabled the experts to learn about approaches to attracting employees of clinical bases for teaching students, doctoral students and undergraduates, information security of the educational process, as well as to identify problems in the management and development of human resources.

Interview with the dean of the magistracy and doctoral studies (DMiD) Ivanchenko Nella Nikolaevna made it possible to determine that the management of programmes is carried out at a qualitative level, the dean is aware of all the problems and successes of students, maintains regular contact with them, especially in the context of distance learning during a pandemic, 100% of undergraduates protect dissertation, however, doctoral students do not all complete the programme with a dissertation defense. The vice-rector and dean of the DMiD were asked questions about the relationship with employers, university graduates and the employment of graduates.

The meetings with the heads of departments in accordance with the programme of the visit of the EEC contributed to the verification of the data of the self-assessment report of the educational programme, since the heads of the relevant departments gave specific and clear explanations to the experts' questions.

A survey of KazNMU resources - a visit to the library, the test centre and the registrar's office - was aimed at verifying the data in Section 6 (Educational Resources) of the self-assessment report. The library has a large collection of literature in three languages, only 4 floors (the last one serves senior students and teachers). Students, undergraduates and doctoral students are provided with a sufficient amount of educational literature, there is access to 12 databases of professional and scientific literature, which was demonstrated to experts by the director Modov Nurbol Alimbaevich. Library employee G.A. Zhanbolatova monthly monitoring of the use of electronic resources and the capabilities of foreign databases is carried out. During the visit, the library's problems were voiced - the need to update office equipment, introducing informatization into the process of applying for and issuing textbooks to students, undergraduates and doctoral students, creating a room for students to discuss, updating the interior of the library halls and recreation. The test centre visited by EEC is located on the 2nd floor of building No. 2, where 192 computer places are located, there are 5 air conditioners, video surveillance, however, metrological expertise has never been carried out. In the period before the pandemic, the workload of the test centre was daily from 8.00 to 18.00, while the centre has 4 employees and teachers of departments are involved as observers of the testing process. The head of the test centre Shonbasova Maral Beibitshanovna said that with a large number of students at once, inappropriate climatic conditions in the premises of the centre take place. Then EEC visited the office of the registrar, where the logs of registration of examination sheets were viewed, a conversation was held with the head of Nabieva G.S. It has been established that the duties of the office-registrar include accounting for the contingent, student progress, including internship, the formation of groups of students for elective disciplines, but the choice of electives is the responsibility of the deans.

An interview with the chairman, deputy chairman and secretary of the Dissertation Council (DS) PhD in Medicine included questions about the possibility of defending dissertations in English (2 defences passed in 2019), presenting a monograph as a dissertation work (until now, there was no), the mechanism refusal to defend a dissertation (there was also no DS during the period of work of

this DS), flexible structure of DS (three permanent members and other participants are invited depending on the direction of the dissertation), foreign participation in the DS work, the quality of dissertations. Baskakova I.V. a presentation of the DS was presented, which contained information on a number of questions from experts. There is an Association of University Alumni participating in various events of the University.

The interview with the chairmen of the CEP (4) included questions about the mechanisms for reviewing and approving educational programmes (the first stage at the department level), approving teaching aids, about the responsibility of the CEP for the quality of programmes, monitoring the educational process - carried out in conjunction with working groups, also created Commission under the Academic Council, introduced checklists for checking syllabuses, a checklist for assessing a teacher. Other issues of the EEC were related to the distribution of responsibilities among the members of the CEP. Within the CEP there are 5 working groups on quality (improvement and implementation of new educational programmes, development and examination of CIS, feedback form, monitoring of the educational process, monitoring of innovation and publishing). During the interview, it was found that the CEP includes employers,

The experts studied in detail the documentation, including the journals of progress and attendance (paper and AIS-KazNMU) working curricula, syllables, control and measuring instruments, exam sheets.

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 (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 "Department Policies" developed at the departments of the university, as well as adherence to the Quality Guidelines when documenting the educational process (QMS has been constantly supported and certified since 2012).

In NJSC "KazNMU" the educational programme for the preparation of a doctoral student in terms of research activities is implemented in accordance with the strategic plan for the development of scientific and medical research of NJSC "KazNMU", taking into account the priority areas of modern science. EP 8D101103 Medicine, developed within the framework of the State Educational Standard of Education (Order No. 647 as revised in 2020), takes into account the main end results of a doctoral student's education. Requirements for the level of training of a doctoral student are determined on the basis of Dublin descriptors of the third level of higher education (doctoral studies) and reflect the acquired competencies, expressed in the achieved learning outcomes. Areas of professional competence have been developed for doctoral studies, taking into account the requirements of employers and society's social demands. Clear criteria for the results of doctoral student's research work by semester have been developed. Research practice is carried out at the place of the doctoral student's dissertation according to the academic calendar. The practice is carried out in institutions and organizations for the implementation of the dissertation:

The second day of the visit is 12/23/2020. This day was devoted to an interview with the director of the simulation centre Tolkimbaeva N.A. and a virtual tour of the centre. Then there was a visit NIIFM named after B.A. Atchabarov and of the Institute of Dentistry of KazNMU, which are the basis for the research practice of undergraduates and doctoral students, as well as clinical bases of accredited programmes, including scientific centres and research institutes affiliated with KazNMU (Simulation center of KazNMU with an area of 3.5 thousand square meters, City Cardiology Centre, PSE on REM "Ambulance Service", Kazakh Research Institute of Oncology and Radiology, Medical centre "ASMED-2", SPE on REM (City Polyclinic No. 26). At clinical sites, experts surveyed the resources of the accredited educational programme, their compliance with disciplines and level of education, accessibility for teachers and students, how modern this equipment is and meets the needs of students and practical healthcare.

The experts visited the research base SRIFM named after B.A. Atchabarov. Founded in 2010 Scientific Research Centre for Fundamental and Applied Medicine named after B.A. Atchabarova, includes various scientific research institutes of fundamental and applied medicine named after B.A. Atchabarova, Laboratory of Experimental Medicine, Research Institute of Fundamental Medicine named after V.I. B.A. Atchabarova, Scientific laboratory (centre) for collective use of the Research Institute of Fundamental Medicine named after B.A. Atchabarov (genetics), Centre for Experimental Pharmacology, Research Institute of Fundamental Medicine named after V.I. B.A. Atchabarova, Scientific Clinical and Diagnostic Laboratory of the Scientific Research Institute of Fundamental Medicine named after B.A. Atchabarov. Dissertation of doctoral students, in which people, animals and biomaterials participate, are subject to ethical examination by LEK. At the same time, the doctoral student and his supervisor conducting research with human participation are responsible for obtaining informed consent. At the B.A. Atchabarov, all conditions have been created for carrying out research (equipped operating room, laboratory, vivarium).

A visit to one of the clinical bases of the university - the City Cardiology Centre - took place. City cardiology centre (SCCs) of the city provides emergency cardiological, including emergency highly specialized cardiac surgery to residents of the city of Almaty. It has the main modern emergency therapeutic and interventional methods of diagnosis and treatment, as well as all the main types of urgent high-tech invasive care (endovascular, arrhythmological, surgical).

In the city centre of Almaty, two angiographic units have been deployed, which operate 24/7 (around the clock / 7 days a week) and 1 operating room in the cardiac surgery department, providing emergency highly specialized cardiac surgery around the clock. The structure of the cardiological centre: Almaty city centre has 315 beds, of which: cardiology - 290 beds, cardiac surgery - 25 beds. Staff: 144 doctors (8 candidates of medical sciences, 9 - excellent health workers), 289 nurses, 211 junior medical personnel. Doctors of the highest category - 19, doctors of the first category - 14. Six employees of the SCC have been members of the Russian and European Society of Cardiology since 2011. Two employees have been members of the European Society of Heart Surgeons since 2012.

The cardiac centre is a clinical base of five departments of the Kazakh National Medical University named after S.D. Asfendiyarov. Medical and consulting assistance is provided by 8 professors, 10 associate professors, 12 candidates of medical sciences.

Departments based:

- Department of Internal Diseases No. 3 KazNMU - (Head of the Department Honored Scientist of the Republic of Kazakhstan, Corresponding Member of the Kazakh Academy of Education, Professor, MD Dauletbakova M.I., 3 professors - Semenova R.I., Zimanova G.S., Iskakov B.S., 3 associate professors - Almukhambetova R.K., Yenokyan S.G., Zhangelova Sh.B., 3 assistants) supervises 1, 3, 4, 5 cardiology departments.
- The Department of Ambulance and Emergency Medical Care of KazNMU (the head of the department was a lot of children now deceased, doctor of medical sciences, professor Turlanov K.M., 2 associate professors - Nurmakova M.A., Almukhambetov M.K.) oversees the department of 6 cardiology, emergency room.
- Department of postgraduate training in therapy of KazNMU (head of the department, MD, professor Polimbetov D.S., 3 associate professors - Polzik G.B., Kapsultanova D.A., Sembaeva A.D., 1 assistant) - supervises 2 cardiology department.
- Department of Internal Medicine №2 KazNMU - Head. department, professor, d.m.s. Aydargalieva N.E., 1 associate professor - Zhdanov V.V., 2 assistants. Supervise the work of 4 cardiology.
- Course of cardiac surgery of the Central Scientific Centre of KazNMU prof. Egemberdiev T.Zh. Supervise the work of the cardiac surgery department.

On the basis of the SCC, doctoral students of KazNMU are trained, combining practical and scientific activities. On the basis of the SCC, Master classes are organized, visiting professors from leading foreign clinics in Poland, Israel and other countries. Organized high-quality video communication with online demonstration of operations for students.

The next visit took place in the PSE at the "Ambulance Service" (6th substation) is a clinical base where the ambulance department is located (in a separate building). There are training rooms with all the necessary equipment. Interns and residents are trained at the base.

The base for familiarization was also the clinical base located in the Research Institute of Oncology and Radiology. At the Department of Visual Diagnostics 11 PhD-doctoral students are studying in the specialty "Medicine", of which: 1 year of study - 3 people; 2nd year of study - 4 people; 3rd year of study - 4 people. The head of the PhD-doctoral students is the head of the Department of Visual Diagnostics, Doctor of Medical Sciences, Professor Zholdybai Zh.Zh.

Themes of dissertation research:

1. Multiparametric magnetic resonance imaging in the diagnosis of intracerebral tumors.
2. Modern radiation research methods in the early diagnosis of breast cancer.
3. Low-dose computed tomography in the early diagnosis of lung cancer.
4. Optimization of diagnostics of hepatocellular carcinoma using modern radiation methods of research.
5. Beam markers in assessing the effectiveness of lymphoma treatment.
6. Assessment of the quantitative and qualitative characteristics of chronic obstructive pulmonary disease using high-resolution multislice computed tomography.
7. Improving diagnostics for traumatic injuries of the ligamentous apparatus of the joints.
8. Improvement of radiation diagnosis of breast cancer in the early stages using digital tomosynthesis.
9. Multiparameter MRI in the diagnosis of prostate cancer
10. Computed tomography in the differential diagnosis of COVID-19 associated pneumonia.
11. Optimization of CT volumetry of donor liver in related liver transplantation.

Of these, 6 research works are carried out by PhD-doctoral students on the basis of the Kazakh Research Institute of Oncology and Radiology. 10 PhD-doctoral students have IELTS certificate - 6.0., 1 PhD-doctoral student - 8.0.

PhD doctoral students' publications:

- Articles CCES MES RK - 27;
- Articles in foreign journals indexed Web of Science "Q1" pending - 3;
- Articles in foreign journals indexed Web of Science "Q2" pending - 2;
- Articles in foreign journals indexed Web of Science pending "Q4" -1;
- Articles in foreign journals indexed Scopus "Q4" - 2;
- Abstracts published in foreign journals - 10.
- Speeches of PhD-doctoral students with oral presentation - 21.

The department of general medical practice No. 2 has 30 full-time employees and 10 positions are employed part-time at more than 20 clinical bases. The department is adapted to the remote format of organizing training for the 5th year (teachers are trained in making videos, principles of DLT, proctoring in July-November 2020) and apply these technologies in the educational process during a pandemic. At the same time, the wishes of the department staff are to improve the interaction of the clinical department of the university and the management of clinical bases for better access of students to the resources of the bases and patients, taking into account the clinical work of teachers and material reward for this work, updating office equipment.

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.

On the same day, interviews with students took place (online), 32 people participated. Students answered questions about the individual learning path, the choice of electives, the work of curators, advisors, as well as participation in the work of advisory bodies (student council and committees that interact with all 6 schools of the university). For example, students participated in determining the

forms and methods of assessing students' knowledge and skills, in the work of commissions for the distribution of grants. Students actively participate in the work of KAZMSA.

The experts asked questions about satisfaction with studying at the university, sufficient time for practical training, research, patient supervision and work with medical records, as well as satisfaction with teaching methods and qualifications of teachers. In general, students are satisfied with the training, assessment methods, and purposefully entered this university, since they believe that KazNMU has excellent clinical facilities and 90 years of experience in teaching.

Interviews with 62 undergraduates and doctoral students (online) and offline were attended by Olga Petrova (undergraduate), Primbaeva Alтынay (undergraduate), Asgar Eulik (doctoral student), Turekulova Aigerim (doctoral student), Fakhradiev Ildar (doctoral student) included issues of interaction with head, the complexity of recruiting material for research, about foreign internships, academic mobility, features of the distance learning format.

Interviews with 77 undergraduate and internship teachers (online) included the following questions: material and moral incentives.

The experts received answers about the teacher training programme, the financing of this training, the availability of certification in teaching methods for teachers.

During interviews with 8 employers (online), experts asked the following questions: participation in the development of the mission of the educational programme, what proposals were made to improve educational programmes, participation in the work of advisory bodies, satisfaction with basic knowledge and skills of students and graduates of KazNMU, participation in teaching through mentoring, about problems interaction with departments and universities in general, employment of graduates, etc.

Interview with 21 graduates of master's and doctoral studies (on-line) included questions: difficulties in distance learning; feedback channels with the university; availability of curators, dean's office, administration. Organization of academic mobility and scientific training. Help of the university in the organization of scientific publications. Employment of graduates, etc.

The third day of the visit is 12/24/2020. The experts examined the documentation on the accredited educational programme both in electronic form using the links provided, and at the request of experts during a visit to KazNMU, which confirmed compliance with standards accreditation (nomenclature of the department's affairs, a plan for 5 years, an annual plan for the 2019-2020 academic year and a report for 2019, a progress journal, EMCD, feedback questionnaires with students, teachers, reports on the results of questionnaires and measures taken, a code ethics, etc., control and measuring instruments), including documentation for the EP of doctoral studies - on request (orders of deductions-admission of doctoral students; information about ongoing projects and the degree of involvement of doctoral students, information about doctoral students who have not completed their studies, etc.).

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

A meeting of EEC members was held. EEC members made generalizations of the results of the external evaluation. The experts individually completed the "Quality profile and criteria for external assessment of the doctoral study programme for compliance with the ECAQA Accreditation Standards". No comments were made by the EEC members. Recommendations for improving the accredited educational programme were discussed. A draft report with recommendations was prepared.

Chairman of the EEC prof. Kuzgibekova Almagul Bolatovna held a final open vote on recommendations for KazNMU and a final vote on recommendations for the ECAQA Accreditation Council. Then the Chairman of the EEC for the management and employees of the educational organization announced recommendations based on the results of an external assessment within the

framework of the accreditation of the educational programme of doctoral studies in the specialty "Medicine".

Results of the survey. An observer from ECAQA on 20-21.12.2020 conducted an online survey of students and teachers of KazNMU on the resource [https://webanketa.com/...](https://webanketa.com/) In total, answers were received - **doctoral students 81 (out of 84)**, teachers - 360.

They also analysed the results of an independent student analysis on 78 questions, which was organized by the university itself. The questionnaires included 78 questions.

The results of the questionnaire are presented in the appendix and, in general, demonstrate satisfactory management of educational programmes, the positive aspects of organizing training, at the same time, almost all respondents show a level of complete satisfaction from 57 to 72% in key areas related to educational programmes: organization of the educational process, schedule, methods of assessment, fairness of assessment of students, equipment of classrooms, availability of resources of clinical bases, library fund, communication with teachers and university management. The results of the questionnaire made it possible to identify areas for improvement (programmes of material and social support for teachers, availability of leadership and administration for teachers and students, clinical work).

In the survey, 12 undergraduates of the 2nd year of study were accepted. According to the results of the survey, the respondents noted the strengths of the university: 100% of the respondents noted support from scientific leaders in the implementation of research, 91.67% noted that the teaching staff respects students, the methods of assessing knowledge and skills are fair, the same percentage was noted by master students of their involvement in activities for the preparation of specialized accreditation. At the same time, only 75% of students are fully satisfied with the organization of the educational process, and 25% are only partially satisfied. Thus, the results of the questionnaire survey confirm that the undergraduates are generally satisfied with almost all assessment criteria.

Conclusion from the external evaluation:

The EEC members have carefully studied and evaluated the main indicators of the accredited PhD 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 KazNMU described its best practice in compliance with accreditation standards in the self-assessment report of the educational programme, during the external expert evaluation, the EEC members studied the main documents (mission, strategic plan until 2023, teaching materials of disciplines, syllabuses, control and measuring instruments, checklists, undergraduate portfolios, individual undergraduate plans for the 2019-2020 academic year, teacher publications, rules for admission to magistracy, personnel policy, internal system programme quality assurance, resources for training were viewed directly at the clinical bases of departments (classrooms, office equipment available to students to work with literature, patient documentation, educational and methodological literature, selection criteria for scientific advisors of undergraduates, indicators of the university's scientific activity, participation of undergraduates in the implementation of scientific and technical progress), which made it possible to identify the compliance of the educational organization with the basic accreditation standards.

Recommendations for improving activities in the implementation of the PhD degree programme in the specialty "Medicine" 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 December 24, 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 educational 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.

4. Analysis for compliance with accreditation standards based on the results of an external assessment of the educational programme of doctoral studies in the specialty 6D110100 - Medicine of "KazNMU" named after S.D. Asfendiyarov and an overview of the strengths for each standard.

Standard 1: RESEARCH ENVIRONMENT

Overall, Standard 1 demonstrates compliance.

IN NJSC "KazNMU" named after S.D. Asfendiyarov there is a sufficient material and technical base, there is a tendency to increase information and communication resources; automated information systems have been created and are functioning. The rational management of the fund of educational and scientific literature of the library, electronic library resources is ensured. The material and technical base contributes to the further development of the academic mobility of doctoral students of the university, in order to conduct scientific research in the field of health.

Strengths:

1. More than 90 years of experience in teaching and a solid reputation among Kazakhstani universities (rating, QS).
2. The presence of a university mission and educational programme, showing a strategic vision and development prospects.
3. Clearly defined final learning outcomes, developed in accordance with the regulatory requirements and the State Educational Standard of the Republic of Kazakhstan, ensuring the formation and development of relevant competencies in graduates, who are employed in 94%.
4. Strategic partnership with a European university and a wide geography of international cooperation with more than 100 organizations around the world, contributing to the high quality of implementation of the accredited educational programme.
5. The educational programme for the preparation of a doctoral student in terms of research activities is implemented in accordance with the strategic plan for the development of scientific and medical research of NJSC KazNMU, taking into account the priority areas of modern science.
6. The material and technical base is maintained at a sufficient level to ensure the educational process in accordance with the approved curriculum work plans, plans for educational and methodological and scientific research work.
7. There are material and human resources for the implementation of scientific research: B.A. Atchabarov Research Institute of Physics and Mathematics with a vivarium, laboratories; clinical bases that meet modern requirements with the implementation of both practical and educational and scientific directions (city centre of oncology; Research Institute of Oncology and Radiology, etc.).

EEC conclusions by criteria. Out of 6 standards correspond: completely - 6, significantly - 0, partially -0, do not correspond - 0.

Standard 1: completed

Recommendations for improvement identified during the external visit:

1) Strive to expand international cooperation to achieve the internationalization of doctoral programmes; to develop criteria for the selection of foreign institutions and foreign scientific consultants for training doctoral students and scientific leadership; expand the geography of scientific internships.

2) Provide mechanisms for increasing funding for intra-university research projects.

3) Consider the possibility of increasing the commercialization of scientific projects.

Standard 2: OUTCOMES

By its structure and teaching methods, the EP creates the need to keep abreast of current trends in healthcare, develops the skills of doctoral students for lifelong learning. Employers and students are involved in the development and updating of the EP. Most doctoral students are satisfied with the organization of the educational process. A distance learning format has been introduced and is being successfully applied.

Strengths:

1. Clear criteria for the results of doctoral student's research work by semester have been developed.
2. Research practice is carried out at the place of the doctoral student's dissertation according to the academic calendar. The practice is carried out in institutions and organizations for the implementation of the dissertation: research institutes (SRIs) or in departments and laboratories of the university, which have the necessary personnel and scientific and technical base.
3. Almost all doctoral students successfully complete their studies; 100% find a job (in their own university)

EEC conclusions by criteria. Out of 3 standards conform: completely - 3, significantly - 0, partially -0, do not correspond - 0.

Recommendations for improvement identified during the external visit: not.

Standard 3: ADMISSION POLICY AND CRITERIA

The formation of the contingent of doctoral PhD students of the University is carried out by placing a state educational order for the training of scientific and pedagogical personnel, as well as paying for training at the expense of citizens and other sources. The state provides citizens of the Republic of Kazakhstan with the right to receive, on a competitive basis, in accordance with the state educational order, free postgraduate education, if they receive education of this level for the first time, with the exception of military, special educational institutions. All information is transparent and posted on the site.

During the survey, the majority of doctoral students note the difficulty of admission due to the high competition for one place and the rather tough nature of the interview, which can also be assessed as a positive aspect that contributes to the high-quality selection of doctoral students.

Strengths:

1. The presence of a Dissertation Council in Medicine with a flexible approach to the formation of the workforce and foreign participation.
2. Electronic system "Sirius", providing transparency and speed of recording the results of assessment of students.
3. A system for evaluating educational programmes through the involvement of stakeholders, starting with departments, CEP, Academic Council, external expert evaluation and participation of employers' representatives in examination boards and audits.
4. The selection and admission policy is fully consistent with the current legislation and the Charter of KazNMU named after S. D. Asfendiyarov.

5. In KazNMU them. S. D. Asfendiyarov, the internal documents of the university (Rules for admission to doctoral (PhD) and magistracy) are in force, in accordance with which the admission and holding of a competition among applicants for doctoral studies is carried out

Conclusions of the EEC on the criteria. Out of 6 standards conform: completely - 6, significantly - 0, partially - 0, do not correspond - 0.

Standard 3: completed

Recommendations for improvement identified during the external visit:

- 1) Continue monitoring data on:

- who have not completed their doctoral studies;
- those who were refused by the Higher Attestation Commission;
- negative conclusion of the dissertation council (if any)

with analysis and conclusions for improvement

Standard 4: PhD TRAINING PROGRAMME

The goal of the educational programme for doctoral studies in Medicine is to prepare a highly qualified competitive specialist - a scientist, a teacher with the award of a Doctor of Philosophy (PhD) degree based on the achievements of modern science, practice and education, ready to adapt to dynamically changing conditions in the healthcare industry by constantly improving professional competencies.

The university created for this: competent teaching staff, regularly undergoes certification; CEP-by levels of training; the CEP includes at the stage of development and review at the end - employers and students; clinical bases that meet modern requirements; heads of clinics are, respectively, heads of departments. The structure of the university includes leading research institutes and scientific centres.

Strengths:

1. Modular training was introduced in NJSC "KazNMU".
2. The EP reflects all competencies and skills with the final learning outcomes in the form of Dublin descriptors.
3. The educational programme for the preparation of a Doctor of Philosophy (PhD) has a scientific and pedagogical focus and involves fundamental educational, methodological and research training.
4. The structure of the content of the EP of doctoral studies is determined in accordance with the State Educational Standard and is approved by the CEP after review by employers

EEC conclusions by criteria. Out of 10 standards conform: completely -10, significantly - 0, partially - 0, do not correspond - 0

Standard 4: completed

Recommendations for improvement identified during the external visit:

- 1) Continue to implement the introduction of elements of an interdisciplinary approach into the process of performing a dissertation research (if necessary).

Standard 5: SUPERVISION

Monitoring of the educational process is carried out, including the implementation of research work in order to ensure the quality of the educational process, the identification of areas requiring intervention, which consists in constant monitoring of attendance of disciplines, student progress, writing a dissertation, etc.

Strengths:

1. Scientific guidance to students on the educational programme of doctoral studies (doctoral student) is carried out by a special consulting commission in the amount of at least 2 people (domestic and foreign scientific consultants).
2. Installed requirements for a doctoral student's scientific advisor.
3. The work of a domestic consultant is included in the teaching load and is paid.

4. KazNMU developed contract on responsibility for the implementation of scientific work of a PhD doctoral student. This agreement is of a tripartite nature, is signed in the first year of study by a doctoral student, a scientific consultant (after the approval procedure) and is certified by the Rector of the University
5. The School of Pedagogical Skills named after Kh. S. Nasybullina systematically organizes seminars, trainings, master classes on innovative teaching and assessment methods for teaching staff.
6. In accordance with the traditions and values of the University, all participants in the educational process comply with the accepted standards of the norms of academic policy and academic integrity.

EEC conclusions by criteria. Out of 14 standards conform: completely -13, significantly - 1, partially - 0, do not correspond - 0.

Standard 5: completed

Recommendations for improvement identified during the external visit:

- 1) Provide a mechanism to support the publications of doctoral students.
- 2) Reflect the possibility of presenting the thesis in the form of a monograph in the relevant documents, if necessary (taking into account the current regulatory legal acts).

Standard 6: PhD THESIS

The procedure for defending a doctoral dissertation is determined by the Model Regulations on the Dissertation Council.

Strengths:

1. The topic of a doctoral dissertation is determined taking into account its relevance no later than two months after admission to doctoral studies. The direction of the dissertation research is selected taking into account national priorities; government programmes; programmes of fundamental or applied research.
2. The topic of the doctoral dissertation with the rationale and structure, the plan for the implementation of the doctoral dissertation with an indication of the timing of completion of work on the dissertation, the plan of scientific publications, internships are reflected in the individual work plan of the doctoral student. Scientific consultants of doctoral students are approved by the decision of the University Senate at the request of the Scientific Commissions, the Scientific Committee under the Senate during the first two months of training in agreement with the graduating departments
3. Scientific consultants of doctoral students annually report at a meeting of the Scientific Council on the progress of students mastering educational programmes. Scientific consultants of a PhD doctoral student at least twice a year assess the preparation of a doctoral student, if necessary, make adjustments to his individual work plan and bring the relevant information to the attention of the department of magistracy and doctoral studies.
4. There are examples of successful defence in English.

EEC conclusions by criteria. Out of 11 standards conform: fully -11, significantly -0, partially - 0, do not correspond - 0

Standard 6: completed

Recommendations for improvement identified during the external visit:

- 1) Consider the possibility of developing mechanisms to support publications of both students and teaching staff.

Standard 7: ASSESSMENT

The permanent composition of the dissertation councils of the University consists of the chairman, deputy chairman and academic secretary and is approved by the order of the rector on the basis of the decision of the University council.

Other members of the dissertation councils are approved by the order of the rector on the basis of the presentation of the chairman of the dissertation council in agreement with the vice-rector for supervision, no more than one month before the date of defence of the dissertation, while at least two members must correspond to the profile of the dissertation, which provides flexibility and expands the possibilities of dissertation councils in relation to the attracted specialists.

Strengths:

1. The defence of a doctoral dissertation PhD or by profile is carried out at an open meeting of the dissertation council, formed by SJSC to the head of the university, which ensures transparency.
2. The Dissertation Council was created at the university, which has a special status with the issuance of a diploma of its own type.

EEC conclusions by criteria. Out of 10 standards conform: completely -10, significantly -0, partially - 0, do not correspond - 0

Standard 7: completed

Recommendations for improvement identified during the external visit: No

Standard 8: GRADUATE INSTITUTION STRUCTURE

The created structure contributes to functioning of the quality assurance system for training students by: monitoring the educational programme; ensuring the competence of the teaching staff; regular internal audit according to agreed criteria; accounting and analysis of the opinions of employers, university graduates.

Strengths:

2. The created structure has a clear hierarchy and promotes development corporate culture;
3. The organizational structure of the university implements the processes of interaction of all interested parties;
4. The university is updating EP based on feedback from employers and students;
5. The teaching staff and the administration work closely with the authorized body (participation in commissions, organization of webinars, for example, dedicated to the fight against COVID-19, the work of REMC, etc.)
6. Availability of managers and administration for solving various issues of students and teaching staff;

EEC conclusions by criteria. Out of 9 standards conform: completely - 9, significantly - 0, partially - 0, do not correspond - 0

Standard 8: completed

Recommendations for improvement identified during the external visit:

1) Continue to develop the principles of corporate culture; mechanisms of moral and material incentives for teaching staff; motivation for research.

5. Recommendations for improving the educational programme of doctoral studies in the specialty Medicine of S.D. Asfendiyarov KazNMU:

1. Strive to internationalize doctoral programmes; expand international cooperation;
2. Provide mechanisms for increasing funding for intra-university research projects.
3. Consider the possibility of increasing the commercialization of scientific projects.
4. Continue close cooperation with employers;
5. In the implementation of the EP, apply the principles of an interdisciplinary approach;
6. Develop mechanisms to support publications of doctoral students and teaching staff;
7. Continue to develop corporate culture using mechanisms of moral and material incentives for teaching staff.

6. 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 PhD program in the specialty "Medicine" for a period of 5 years

Chairman

Kuzgibekova Almagul Bolatovna



Foreign expert

Uryasiev Oleg Mikhailovich



Academic expert

Kauysheva Almagul Amangeldinovna



Academic expert

Ermukhanova Lyudmila Sergeevna



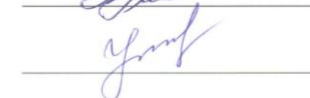
Representative of undergraduates

Khusainova Zhanar Zhanatbekovna



ECAQA Observer

Umarova Makpal Aldibekovna



Quality profile and criteria for external assessment according to the accreditation standards of the educational programme of PhD doctoral studies in the specialty "Medicine"

standard	Criteria for evaluation	Total standards	Assessment			
			Totally coincides	Significantly corresponds	Partially meets	Does not match
1	RESEARCH ENVIRONMENT	6	6			
2	OUTCOMES	3	3			
3	ADMISSION POLICY AND CRITERIA	6	6			
4	PhD TRAINING PROGRAMME	10	10			
5	SUPERVISION	14	13	1		
6	PhD THESIS	11	11			
7	ASSESSMENT	10	10			
8	GRADUATE INSTITUTION STRUCTURE	9	9			
	TOTAL	69	68	1		

Appendix 2.**List of documents requested by EEC members within the framework of accreditation**

No.	Names of documents	amount	Date approved
1.	Information on ongoing scientific projects of KazNMU named after S.D. Asfendiyarov (grant funding of the Ministry of Education and Science of the Republic of Kazakhstan, intra-university, PCF)	1	-
2.	Information (list) of clinical bases of the university	1	-
3.	Information about the scientific activities of the university 2019-2020. Report on the scientific activities of the university (presentation) 2019-2020.	2	-
4.	Information about the activities of the department "Visual diagnostics" for the EP "Doctorate. Medicine".	1	-
5.	Presentation of the Dissertation Council PhD specialty "Medicine"	1	-
6.	Information (google disk) containing: orders for the expulsion-enrolment of doctoral students; approval of topics for dissertations; appointment of foreign scientific advisers; scientific internship plans; rules for admission to doctoral studies; scientific consultants liability agreement; university development programme 2019-2023; EP of doctoral studies in the specialty "Medicine"; order on the appointment of managers (scientific consultants).	11	2019-2020rr