«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

REPORT

On the results of the work of the external expert commission for assessing compliance with the requirements standards for specialized accreditation of the specialty 6M110400 /M142 "Pharmacy"

JSC "South Kazakhstan Medical Academy"

May 25 - May 27, 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND

RATING EXTERNAL EXPERT COMMISSION

Addressed to the IAAR
Accreditation Council

Shymkent **"27" May 2020**

CONTENTS

I. LIST OF SYMBOLS AND ABBREVIATIONS

JSC "SKMA" - Joint Stock Company "South Kazakhstan Medical Academy
BD - basic discipline
HEI - higher educational institution
SAC - State Attestation Commission
SCES - State Compulsory Education Standard
IC - Individual Curriculum
CC - component of choice
WHO RK - Ministry - credit technology of education
MH RK - Ministry of Health of the Republic of Kazakhstan
CED - catalog of elective disciplines
MES RK - Ministry of Education and Science of the Republic of Kazakhstan
SRW - student research work
RO - Registrar's Office
EP - educational program
MD - major disciplines
R - rules
TS - teaching staff
QMS - quality managemediscipline
ERWS - educational and research work of a student
EMCD - educational and methodological complex of discipline
AC - Academic Council
CEP - committee for the educational program
SKMA - South Kazakhstan Medical Academy

II. INTRODUCTION

In accordance with the order of the Independent Agency for Accreditation and Rating (hereinafter - IAAR) No. 32-20-OD dated April 21, 2020, an external expert commission at South Kazakhstan Medical Academy JSC (hereinafter - SKMA) assessed the compliance of educational activities with accreditation standards IAAR educational program of the specialty magistracy M142 "Pharmacy"

The report of the external expert commission (hereinafter - EEC) contains an assessment of the educational program of the specialty M142 "Pharmacy" according to the criteria of the NAA and recommendations of the EEC for further improving the activities of the SKMA.

EEC composition:

Commission chairman	Omarkulov Bauyrzhan Kadenovich, Ph.D., Associate Professor, NJSC "Medical University of Karaganda "(Karaganda);
Foreign expert	Marina Alekseevna Kanushina, Director of the "AS Institute of international Education ", PhD, MBA. (Prague, Czech Republic);
Expert	Ivanchenko Nellya Nikolaevna, Ph.D., Kazakh National Medical University name S.D.Asfendiyarova (Almaty)
Expert	Aimbetova Gulshara Ergazyevna, Candidate of Medical Sciences, Associate Professor, Kazakh National Medical University. S. D. Asfendiyarova (Almaty)
Expert	Shukirbekova Alma Boranbekovna, Doctor of Philosophy, Associate Professor, JSC "Astana Medical University" (Nur-Sultan)
Expert	Dmitry Matyushko, PhD, NAO "Medical University of Karaganda" (Karaganda)
Expert	Elena Leonidovna Stepkina, Ph.D., Kazakhstan Medical University "VSHOZ" (Almaty)
Employer	Rysmakhanov Nuradil Makhanbetkhanovich, Multidisciplinary medical clinic "JAK-med" (Shymkent)
Student	Sattarkhan Onel Aydargyzy, member of the Alliance of Students of Kazakhstan, SILKWAY International University
Observer from the IAAR	Aimurzieva Aigerim Urinbaevna, Head medical projects of the Agency (Nur-Sultan)

III. REPRESENTATION OF JSC SKMA

The Pharmaceutical Faculty of SKMA was established in 1979 as a branch of the Alma-Ata State Medical Institute, which in 1990 was transformed into an independent pharmaceutical institute. In 1994, the Shymkent State Pharmaceutical Institute was transformed into the Shymkent State Medical Institute with two faculties: general medical and chemical-pharmaceutical, and then in 1997 - in the RSE "South Kazakhstan State Medical Academy". By the Decree of the Government of the Republic of Kazakhstan dated 08.07.2009 No. 1037, the RSE "South Kazakhstan State Medical Academy" was reorganized into the Republican State Enterprise on the right of economic management "South Kazakhstan State Pharmaceutical Academy".

In 2018, there were significant changes in the legal status of SKMA, namely: JSC "South Kazakhstan State Pharmaceutical Academy" by decision of 13.02.2018 No. 1 of the Sole Shareholder of JSC "SKSPA" was renamed into JSC "South Kazakhstan Medical Academy". After the renaming of SKMA, it has retained the training of specialists with higher education in medical and pharmaceutical profile for undergraduate, internship, residency, graduate and doctoral programs.

SKMA implements educational activities on the basis of license No. KZ36LAA00011387.

The leadership of SKMA is represented by: Rector, First Vice-Rector for Strategic Development and Innovation, Vice-Rector for Financial and Economic Activities, Advisor to the Rector, Vice-Rector for Academic and Methodological and Educational Work, Vice-Rector for Scientific and Clinical Work. Collegial governing bodies of SKMA: Rector's Office, Academic Council, Methodical Council, Faculty Council, Clinical Council and Scientific Council. The Academic Council of SKMA is an elected representative body that carries out general management and solves the most important issues of educational, research and medical activities of SKMA, headed by the Academic Council Rector, Doctor of Medical Sciences Professor MM Rysbekov, meetings of the Academic Council are held monthly. The collegial body for managing educational and methodological work is the methodological council, headed by the vice-rector for educational and methodical work. The structural unit responsible for planning educational programs (hereinafter referred to as EP) is the educational and methodological center (hereinafter referred EMC), the dean's office and the office-registrar. The Faculty Council is a representative body carrying out general management of the work of the departments of the SKMA.

The organizational structure of SKMA includes: the Faculty of Pharmacy, the Faculty of Medicine, the International Faculty, the Faculty of Advanced Training for Doctors and Pharmacists, the Department of Internship and Employment of Graduates, the sector of postgraduate education, as well as 29 departments.

The infrastructure of SKMA includes:

1. Educational building number 1, which houses a computer test, publishing center (hereinafter -CTPC), printing house, library and information center (hereinafter - LIC), clinical diagnostic laboratory (hereinafter - CDL), telemedicine room, 7 lecture halls equipped multimedia installations, classrooms. At a number of departments (chemistry and pharmacognosy, drug technology, pharmaceutical and toxicological chemistry, etc.), educational laboratories are equipped with the required laboratory equipment. There is a large sports hall, 2 gyms, an anatomical museum, an educational testing laboratory for medicines, administrative premises, an assembly hall, a canteen with a buffet,

educational dental clinic, civil defense headquarters and chemical warehouse. The building has annexes (garages, workshop, storage rooms);

2. Academic building No. 2, acquired in 2018 and located at Al-Farabi Square, No. 3. The building is adapted, 5-storey with a ground floor, total area is 7293.4 sq.m. The building has 6 lecture halls. In the basement floor there are: offices of the AHD, warehouses, an elevator unit, an electrical control room, a cloakroom, several rooms of the department of dentistry and rooms for technical staff. On the ground floor there are: the Department of Dentistry and Microbiology, the Faculty of Continuing Education, the Department of Master's and Doctoral Studies, the first-aid post, the office of the Director of the Academy of Arts and the Student Service Center. The 2nd floor is completely occupied by the medical college of SKMA. The Practical Skills Center (hereinafter referred to as PSC) is located on the 3rd floor. The 4th floor houses the Department of Pathological Anatomy and Histology, the Department of Normal and Pathological Physiology.

3. Educational building №3 - 2-storey, which houses the department of Kazakh, Russian and Latin languages, a genomic laboratory, departments of the history of Kazakhstan and social and humanitarian disciplines and a language laboratory.

4. Educational building №4 is located on the territory of educational building №3. The building is 4-storey with a basement. The educational building is connected to the gym through a 2-storey gallery. The following subdivisions are located in the building: The basement and the 1st floor are occupied by the military department with separate warehouses and garages, the 2nd floor is occupied by the Department of English, the 3rd floor is occupied by the Department of Hygiene.

5. Student hostel No. 1 for 390 places is located between Baitursynov street and Zhandosov passage. The 5-storey building consists of 2 blocks, connected by a one-storey annex, where there is a computer classroom connected to the Internet, a reading room, a library, a hall for cultural events. The total area of the hostel is 4400.0 sq.m., the living area is 2440.9 sq.m.

6. Student hostel №2 for 250 places is located on Al-Farabi square, 3 on the territory of educational building №2. The building is 7-storey, with a basement and a basement. On the basement floor there is a student canteen, a foyer, a dormitory manager and security room. On the other floors (floors 2-7) there are 2 and 3-bed living rooms.

7. The educational and production base (with an area of 4.5 hectares) is an educational and production and sports and recreation base of the SKMA. The base is located in with. Keregetas of the Kaskasusky s / o of the Turkestan region. At the base there is a dining room for 75 seats, a shed for living, toilets and showers, an outdoor swimming pool and 14 sleeping cars.

The personnel policy of the Company KP 044 / 103-2018 was approved by the decision of the Board of Directors of SKMA JSC dated 04.06.2018. In accordance with the order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 23, 2015 No. 230 "On the approval of the Rules for the competitive replacement of positions of teaching staff and scientific workers of higher educational institutions" from May 2017-2018 academic year, competitions are held for filling vacant positions of heads of departments and teaching staff. Also, the "Rules for the competitive replacement of positions of the teaching staff and scientific workers" were developed, approved by the Rector of "SKMA" on January 05, 2019.

SKMA signed an industrial practice agreement. As the bases of industrial practice "Quality control and standardization of medicines", contracts were concluded with the testing laboratories of the RSE on the REM National Center for Expertise of Medicines and Medical Devices in Almaty, Nur-Sultan, Karaganda, Taraz; JSC "Khimfarm".

Students undergo industrial practice "Toxicological chemistry" at the bases of the Republican (Nur-Sultan) and regional (Almaty, Karaganda, Shymkent) Forensic Medicine Centers and in the toxicology departments of the regional clinical hospital (Karaganda), the regional hyperbaric oxygenation center (Shymkent).

The bases of the industrial practice "Industrial technology of drugs" are enterprises for the production of drugs and partner universities of the CIS countries: JSC "Khimpharm", LLP "Eva-fito", LLP "Fito-Zerde", NMU named after S. Asfendiyarov (Almaty) , Tashkent Pharmaceutical Institute, GBOU VPO St. Petersburg State Chemical-Pharmaceutical Academy (Russia), Gdansk Medical University (Poland).

Teaching practice in botany and industrial practice in pharmacognosy are held at the bases of the Bashkir State Medical University (Ufa), Pyatigorsk Medical and Pharmaceutical University, Tashkent Pharmaceutical Institute, Phyto-Zerde LLP, city arboretum and at the educational and production base in the Kaska gorge -Su.

To take into account the requests of employers and the formation of a bachelor's degree program for the 2019-2020 academic year, on 07.02.2020, a round table "Joint responsibility of universities and employers in the training of pharmaceutical personnel" was held at SKMA with employers. Taking into account their proposals, at the meeting of the Pharmaceutical Faculty Council (Protocol No. 7 dated 02/18/2020), it was decided to make proposals to the nomenclature of medical and pharmaceutical specialties and abandon trajectories and create one general program for the bachelor's level.

SKMA independently decides on the direction and spending of funds, including the target budget for training. It independently determines the share of funds allocated for wages and other needs required for the implementation of educational programs.

The mission of the South Kazakhstan Medical Academy is formulated as: training highly qualified competitive medical and pharmaceutical specialists for the South region and the country as a whole, based on the achievements of modern science and practice, ready to adapt to rapidly changing conditions in the medical and pharmaceutical industry through continuous improvement of competence and development creative initiative. The mission was approved by the decision of the Academic Council of SKMA, protocol No. 2 of September 25, 2019. The staff of departments, students, management and representatives of practical pharmacy were acquainted with the mission.

Information and library services for students and teaching staff of SKMA are carried out by the library and information center (hereinafter - BIC), where a significant fund of scientific, educational and educational-methodical literature, periodicals for all cycles of the studied disciplines is collected. The library's task is to provide students with basic and additional educational and educational-methodical literature, scientific publications, including reference literature and periodicals, necessary for organizing the educational process in all disciplines implemented by EP in accordance with the requirements of the State Educational Standard, as well as meeting the requests of the teaching staff. To meet the needs for educational, scientific and information requests for users of the Academy, the library has access to various databases:

- Thomson Reuters Web of Science database www.webofknowledge.com;
- Elsevier ScienceDirect Database www.sciencedirect.com;
- Elsevier Scopus Database www.scopus.com;
- Republican Interuniversity Electronic Library (RMEB);
- EPATIS www. eapatis.com;
- full-text information and legal system "Zak";
- information system "Paragraph", section "Medicine" -electronic

library system “Student consultant for a medical university;

- Electronic library of SKMA www.lib.ukma.kz...

SKMA is part of the Association of Legal Entities "Pharmaceutical Cluster of South Kazakhstan", which provides an opportunity for dual training for students of pharmaceutical specialties. Cooperation of SKMA with large pharmaceutical industries in the region, with the largest pharmaceutical concern "Polpharma" provides unique opportunities for students of the pharmaceutical faculty of SKMA for dual training and industrial practice.

The youth center "Bolashak" operates in SKMA, which organizes and conducts events to develop the socio-cultural competence of students. Through social work with students, communication skills are developed to communicate with teachers, fellow students. Students of the specialty visit homes for the disabled, orphanages, and engage in volunteer activities. In the process of such work, students develop such qualities as mercy, compassion, and a humane attitude towards each other.

To meet the social, financial and personal needs of students in SKMA there are student service services: Department of Social Issues and Youth Policy; library and information center; student dormitories with reading rooms, wireless Internet Wi-Fi; medical points; canteens; buffets, etc.

The teaching staff of the Faculty of Pharmacy of the SKMA over the past years (2015-2019) has completed 5 scientific and technical programs (hereinafter referred to as NTP) and 1 NTP on the topic "Otandyk onim shikizaty negizinde thiimdi zhane kauypsiz durilik drug completion period - 2021" ... Of the six NTPs, one scientific and technical program was implemented at the departments: "Drug Technology" "," Pharmacognosy ", two NTPs were performed at the departments:" Pharmaceutical and toxicological chemistry ", and" History of Kazakhstan and social and social disciplines " ...

IV. DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

This educational program was not accredited by the IAAR.

V. DESCRIPTION OF THE EEC VISIT

External expert commission visit (hereinafter - EEC) in SKMA was organized from 25 to 27 May 2020. in accordance with the Program approved by the director of NU "IAAR" Zhumagulova AB and agreed by the rector of SKMA, MD, professor Rysbekov M.M.

During the visit, EEC studied the regulatory and educational documents for the educational program, educational and methodological complexes of disciplines, methodological documents, as well as work in the information system (hereinafter - IS) Platonus.

All materials requested by the commission were provided by the representatives of SKMA on time. In order to obtain objective information on assessing the activities of SKMA, members of the EEC carried out: visual inspection of classrooms, laboratories and other premises that provide training sessions, observation, interviewing employees of various structural divisions, teachers, students, employers, graduates of SKMA, questioning the professorial and teaching composition and students.

SKMA ensured the presence of employees and persons indicated in the Visiting Program. The three-day EEC program was completed in full, in accordance with the distribution of activities by day:

On the first day, May 25, 2020, a preliminary meeting of the Chairman and members of the EEC of the IAAR was held, during which the following were announced: goals, program, responsibility of EEC members and clustering of accredited EP:

Cluster 1:	EP 6V10101 (5V130100) General medicine EP 6V10105 (5V110200 Public health care EP 6V10104 (5V110100) Nursing EP 6B10106 (5V110300) Pharmacy
Cluster 2:	EP M144 / 6M110100 Medicine EP M 140 / 6M110200 Public health care EP M141 / 6M110300 Nursing EP M142 / 6M110400 Pharmacy

Key issues were discussed, additional information was identified that must be requested from the structural units of SKMA for validation and confirmation of the accuracy of information / data during accreditation.

Then, in accordance with the EEC program, there was a meeting with the rector of SKMA - MD, professor Rysbekov M.M., then - a meeting with vice-rectors: first vice-rector for strategic development and innovation - Zh.Bapaev, vice-rector for financial and economic activities - Seitzhanova Zh.S., vice-rector for educational, methodological and educational activities - Anartaeva M.U. and vice-rector for scientific and clinical activities - Nurmashev B.K.After a meeting was held with the heads of structural divisions of SKMA, examination objects for accredited EP.

In the afternoon, an online meeting was held with the heads of accredited educational programs, heads of departments, faculty (hereinafter - the teaching staff). The first day ended with a survey of the teaching staff (online).

On the second day of the visit (May 26, 2020), experts visited the graduating departments for educational programs. The following departments of the Faculty of Pharmacy of the SKMA were visited: Technology of drugs "," Organization and management of pharmaceutical business "," Pharmaceutical and toxicological chemistry ",
"Pharmacognosy", located in the administrative building of the SKMA.

When working with the heads and teaching staff of the departments, members of the EEC were provided for review: EP in the specialty 6M110400 Pharmacy, modular curricula, educational and methodological complexes of disciplines, discipline security maps, methodological developments for independent work of students, methodological developments for laboratory classes, lecture complexes, control and measuring tools, methodological developments for conducting midterm control, educational journals of attendance and progress, methodological materials (manuals, textbooks) and methodological recommendations for conducting classes in distance educational technologies.

A meeting was organized with undergraduates who demonstrated part of the skills and competencies acquired at the university.

Classrooms and laboratories of departments are equipped for conducting training sessions, practicing practical skills and research and development in full.

After lunch, online communication with: students, employers, graduates of the SKMA took place. The second day ended with an online survey of students.

The planned visit on the third day of the visit (May 27, 2020) to the bases of production practices took place at the pharmacy "First Health Supermarket" LLP

"Zerde - Pharma" at 9/4 Turkestanskaya street. The head of the pharmacy, Alibek Aizhamal Aibekgyzy, introduced the pharmacy, voiced the pharmacy's obligations to the Academy according to the cooperation agreement and told how they are being fulfilled. She answered all the questions of the commission.

The rest of the bases of practical training of the objects declared in the Program were not visited by the members of the EEC because they were closed for quarantine (documentary confirmation of the quarantine of these objects was not provided), and therefore, it is impossible to form an opinion on the compliance / non-compliance of all declared bases for practical training.

Further, the members of the EEC carried out work on collegial agreement and the preparation of an oral preliminary review on the results of the visit to the SKMA, as well as the development of recommendations based on the results of the visit to the External Expert Commission.

At the final meeting of the EEC with the leadership of the SKMA, recommendations were voiced to improve the activities of educational programs for accredited specialties (1 and 2 clusters), developed by members of the EEC based on the results of the work done.

72 people took part in the anonymous survey of students, including 12 undergraduates in the specialty "Pharmacy".

83.3% of all respondents are fully satisfied with the relations with the dean's office, 69.4% are completely satisfied with the level of accessibility and responsiveness of the university administration; the level of accessibility of library resources is completely satisfied - 68.1% of the respondents.

Rooms recreation for students are not satisfied 12.5%; the overall quality of educational programs is partially dissatisfied with 7%; 4.2% are partially dissatisfied with the quality of teaching; 2.8% are dissatisfied with the available computer classes; 11.1% are dissatisfied with the available scientific laboratories; 11.1% partially agree with the well-structured course content; 18.1% partially agree that teaching staff provide material in an interesting form; 9.7% partially agree with continuous assessment and reflection of the course content; 16.7% of the respondents partially agree with the fact that SKMA provides sufficient opportunities for sports and other leisure activities.

48 people took part in the anonymous survey of the teaching staff of the SKMA, among the respondents, masters prevail - 39.6%. Relatively poorly satisfied with the content of the educational program - 4.2%; poor accessibility of the manual for teaching staff was noted by 4.2%; the involvement of teaching staff in making managerial and strategic decisions was assessed as relatively poor by 8.3% of respondents; 10.4% of teachers assessed the work to improve their qualifications as relatively poor. The level of the possibility of combining teaching staff with scientific research was relatively poorly assessed by 10.4% of the respondents; the frequent lack of access to the Internet was noted by 16.6% of the people, the frequent lack of technical means in the audience was noted by 12.5% of the teaching staff; 10.4% of respondents were dissatisfied with the provision of benefits.

Comfortable conditions were created for the work of the EEC, the conference hall was equipped with an org. equipment (each expert had a personal computer), the Internet was provided and the ability to print documents. Also, access to structural divisions and information resources was provided.

VI. ACCORDANCE TO STANDARD FOR SPECIALIZED ACCREDITATION

Standard 1: MISSION AND FINAL RESULTS

Mission of the educational program (EP) of the specialty 6M110400

"Pharmacy" was developed in accordance with the general strategy of the state and JSC "South Kazakhstan Medical Academy", comply with the charter of the university and determine the main directions of the Academy's activities. The commission established that the mission was updated and approved at a meeting of the Academic Council of the Academy, minutes No. 2 of September 25, 2019.

The mission of the EP is to train a highly qualified competitive specialist - a scientist, a teacher with the award of a Master's degree in pharmaceutical profile based on the achievements of modern science, practice and education, who are ready to adapt to the dynamically changing conditions in the pharmaceutical industry by constantly improving professional competencies.

EP meets the regulatory requirements adopted at the national level, the requirements of the State Educational Standard of Education and the stated mission of the Academy.

Goals and end results of education in the volume of EP specialty 6M110400 "Pharmacy" as a whole comply with the mission, goals, objectives, strategic direction of the Academy and the requirements of the Ministry of Health RK.

The objectives of the EP are formed taking into account the development of the economy, the needs of science, education and production in the field of pharmacy.

Training in the Master's degree in the specialty "Pharmacy", used at the Academy, ensures the implementation of the final learning outcomes, the list of which is included in the working curricula.

The EP ensures the integration of disciplines throughout the entire period of study and is aimed at developing the competencies of graduates. The master training model provides for modular training. This is achieved at the Academy by the introduction of a competency-based approach in the study of the disciplines of the program.

However, there is no strategic plan for the development of the EP.

The Academy has developed a procedure for adopting and approving a quality assurance policy.

All graduating departments are responsible for the implementation of the policy in the field of quality assurance of the EP (Department of "Drug Technology"; Department "Organization and management of pharmaceutical business"; Department of Pharmaceutical and Toxicological Chemistry; Department of "Pharmacognosy") and structural divisions of the Academy, which are involved in the implementation of this EP. The Academy has a Scientific Council that coordinates the main directions, forms and content of scientific work of the Academy, which is an advisory body of the Academy. The composition of the Scientific Council is represented by employees - the teaching staff of the Academy, representatives of practical health care and pharmacy, undergraduates, which ensures their participation in the management and direct implementation of educational programs (Protocol No. 1 of the Scientific Council dated 05.28.2019).

Considering that the educational program is built on the basis of the State Educational Standard, all changes in the EP necessary for mastering by undergraduates, taking into account modern requirements, are implemented through elective disciplines (optional components).

The structure and content of the working curricula of the specialty, compiled annually for each course, fully correspond to the typical curriculum of the specialty. Taking into account the opinions of representatives of practical health care and pharmacy, who are members of the Scientific Council, as well as according to the trajectory of training in the specialty, a catalog of elective disciplines is formed and approved annually. The number of hours of the optional component (elective disciplines), their relationship with compulsory disciplines are regulated by the State Educational Standard of the Republic of Kazakhstan.

The teaching staff participating in the implementation of the specialty EP 6M110400 "Pharmacy" is represented by highly qualified specialists. Employees of the Academy participated in the development of the new National Qualifications Framework of the Republic of Kazakhstan and are the developers of the professional standard for the specialty "Pharmacy", where new specialties and key competencies of EP graduates were determined.

According to standard 1 "Mission and learning outcomes" are marked the following strengths:

1. The mission and goals of the EP are fully consistent with the available resources, capabilities and requirements of the modern pharmaceutical market.
2. Integration of educational, practical and scientific areas in educational program of the specialty 6M110400 / M142 "Pharmacy"

Area for improvement:

Ensure regular interaction with employers to implement and improve the educational program, taking into account the needs of practical pharmacy and pharmaceutical science.

EEC recommendations:

1. Develop a strategic plan for the development of the EP, corresponding to the stated mission of the Academy, including issues of improving the quality of the master's program
2. Constantly update the section on Master's programs on its website containing information on the criteria of the accreditation standard.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –12
Satisfactory - 4 Suggesting improvements - 2
Unsatisfactory - 0

STANDARD 2: "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"

As part of the implementation of the EP specialty 6M110400 "Pharmacy", a strong and effective research environment has been formed at the university - a combination of a strong competence level of scientific leaders and consultants, a high-tech research resource base (Research Laboratory of Medicinal Plants and Research Laboratory of the Department of Pharmaceutical and Toxicological Chemistry), cooperation with leading medical research organizations and institutions of Kazakhstan, near and far abroad (Gdansk Medical University (Gdansk, Poland); Institute of Biomedical Research, University of Barcelona (Spain); Pamukkale University (Denizli, Turkey).

The highly professional level of teachers, scientific supervisors, consultants is confirmed by the fact that 100% of the teaching staff have academic degrees of Doctor (3 Doctor of Pharmaceutical Sciences) or Candidate of Science (15 Candidate of Pharmaceutical Sciences), Doctor PhD (3). in the field of higher education, and participation in the implementation of research projects at various levels.

The directions of research work within the specialty are determined in accordance with the potential of the university in the priority areas of development of pharmaceutical science, as well as the needs of the region.

The teaching staff of the Academy within the framework of the declared specialty for the reporting period completed 4 scientific and technical programs and continues work on 8 scientific and technical projects that have passed the state. registration, financed by the funds of the SKMA.

During the reporting period, the teaching staff received 9 patents of the Republic of Kazakhstan, 1 Eurasian patent. Published 18 papers in international peer-reviewed scientific journals,

indexed in authoritative databases of scientific information (Web of Science, Scopus, Springer and RSCI). For 2017-2020, the staff of the graduating departments published more than 150 scientific papers.

Together with undergraduates of the departments of the faculty of the specialty "Pharmacy", according to data for 3 years, 65 scientific works were published, including scientific articles - 14, theses
- 50.

Pharmaceutical departments are located at Al-Farabi Square (main building), total area - 1520 m2, for educational purposes - 1390 m2. There are 44 classrooms.

The research work of undergraduates of the specialty is carried out on the basis of the laboratory of medicinal plants of the Department of Pharmacognosy and the scientific and educational laboratory of the Department of Pharmaceutical and Toxicological Chemistry, the educational and clinical center, as well as on the basis of the partner organization - JSC "Khimpharm" Santo Member of Polpharma Group. The Academy has a genomic research laboratory (NILGI) equipped with modern equipment for molecular genetic and proteomic genomic research. The laboratory has the necessary infrastructure to implement a full cycle of research, including sample preparation and disposal activities. NILGI equipment and high qualification of personnel allow solving the widest range of tasks,

The Association of Medical and Pharmaceutical Organizations "Damu" and JSC "Chimpharm" Santo Member of Polpharma Group, which has laboratories equipped in accordance with modern trends, as well as production facilities, also provide their base for scientific research. With this enterprise, the Academy entered into a Memorandum of Cooperation in the field of higher education and science in order to increase the efficiency of educational, methodological and research work.

JSC "Khimpharm" Santo Member of Polpharma Group has all the necessary equipment, highly qualified personnel and various international connections with the best research institutions in the world. Also today there is an opportunity to conduct scientific research within the framework of the Consortium
"Pharmaceutical Cluster".

Visual inspection of the facilities of the accredited EP made it possible to get acquainted with the material and technical base, helped in determining its compliance with standards. The commission notes that the level of equipment of specialized departments is at a fairly high level.

Material and technical resources are regularly updated and replenished on the basis of applications from departments and laboratories (for example, the reagents, office equipment announced in December 2019, were received by all specialized departments in January - February 2020).

The undergraduates of the Academy have the opportunity to carry out part of their scientific research at a partner university (Gdansk Medical University (Gdansk, Poland) within the framework of international internships.

To assess the effectiveness in the field of quality, the EP Academy is actively developing international cooperation with European educational organizations. Familiarization with the content of memorandums of cooperation between the Academy and foreign universities, the list of which was presented in the self-assessment report, made it possible for EEC to make sure that all contracts and memorandums are valid and up-to-date.

The unified information and library fund is 532691 copies, including 234158 copies of all types and types of publications in the state language.

The main part of the fund is educational literature, which totals 378,228 copies, which is 71% of the total fund, including 188,903 copies in the state language, which is 80% of the total fund.

Strengths of Standard 2 "Research Environment and Educational Resources"

1. Highly professional level of teachers, scientific leaders, consultants, 100% degree of teaching staff of the graduating departments, extensive experience both in the field of higher education, and participation in the implementation of research projects at various levels.
2. Opportunity to conduct scientific research undergraduates within the framework of the Pharmaceutical Cluster Consortium.
3. The opportunity for undergraduates to carry out a part of scientific research at a partner university (Gdansk Medical University (Gdansk, Poland in the framework of international internships).
4. The material and technical base of the specialized departments is at a fairly high level.

Area for improvement:

To intensify cooperation for the implementation of joint educational projects (joint educational program, double-degree postgraduate education, academic mobility of undergraduates and teachers) in the specialty "Pharmacy" with universities from far abroad.

There are no recommendations.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –31
Satisfactory - 1 Suggesting
improvements - 0
Unsatisfactory - 0

STANDARD 3 "POLICY AND RECEPTION CRITERIA":

The policy and procedures for admission to the Academy are clear, consistent with the mission and goals of the university, officially published and available to all future undergraduates on the university website.

The admission of persons entering the Academy is carried out by placing a state educational order (educational grants) in the specialty 6M110400 "Pharmacy", as well as paying for education at the expense of citizens' own funds and other sources. Reception of citizens is carried out on their applications on a competitive basis in accordance with the points of the certificate issued based on the results of comprehensive testing.

Persons who have mastered the educational programs of higher education are admitted to the magistracy: 5B110300 - "Pharmacy" and 5B074800 - "Technology of pharmaceutical production".

Applications for participation in the competition are accepted until August 20 of this year. In the competition for the award of an educational grant for the degree "Master", the scores of CT results are taken into account according to the profile of the group of educational programs, foreign language, and the determination of readiness for learning.

In the case of the same indicators of CT results, the priority right is given to persons who have a high score according to the test results according to the profile of the group of educational programs, then the results of the test to determine readiness to learn, then the results of the foreign language test, and then - the GPA in the attachment to the diploma (previous level of education) and work experience.

The following strengths are highlighted in Standard 3 "Policy and Admission Criteria":

The policy and procedures for admission to SKMA are consistent with the mission and

goals of the university, are officially published and are available to those wishing to enter the magistracy. In the Rules for admission to the magistracy, the policy of admission and selection of applicants has been determined and implemented, the technology of admission, the work of the selection committee are described.

Area for improvement: *Improve career guidance work to attract applicants to study in the magistracy on EP M142/6M110400 - "Pharmacy".*

No recommendation.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –3
Satisfactory - 3 Suggesting
improvements - 0
Unsatisfactory - 0

STANDARD 4 "MASTER'S PROGRAM":

The report presents the internal rules for the development and approval of EP. The procedures for the development and approval of EP documents are carried out in accordance with the regulatory documents of the Ministry of Education and Science, the Ministry of Health of the Republic of Kazakhstan, the main provisions of the Academy.

In accordance with the requirements of the Ministry of Education and Science of the Republic of Kazakhstan, the university has introduced a credit training technology. When developing the EP, the technology of modular training is used, there is a modular EP structure that contains the competencies necessary for the future master in the form of the final learning outcomes.

The content of the EP for the higher educational component (EC) meets the requirements of the State Educational Standard of the Republic of Kazakhstan in the specialty "Pharmacy" (postgraduate education in medical and pharmaceutical specialties) and the model curriculum (MC). The structure and content of the MEP strictly corresponds to the MEP and the catalog of elective disciplines (CED).

The structure of the master's educational program contains two equivalent components: educational and scientific.

Within the framework of theoretical training, the following modules of disciplines were included in the EP, which are shown in the MEP:

1. Interdisciplinary module: History and philosophy of science, Foreign language (professional), Higher education pedagogy, Management psychology.

2. General professional module: Fundamentals of teaching methodology in pharmacy, Methodology of scientific research in pharmacy, Management and marketing in pharmaceutical enterprises, Biostatistics in pharmacy

3. Drug technology and organization of pharmaceutical business (module disciplines): Human Resources and Financial Management, Good Distribution Practice, Applied Pharmacoeconomics, Good Pharmaceutical Practice, Pharmaceutical and Life Sciences Aspects of Drugs, Organizational Behavior in Pharmaceutical Enterprises, Management in Pharmaceutical Logistics, Management Consulting, Technology of Parapharmaceutical and Nutraceuticals, Nanotechnology and Biotechnology in Pharmacy.

4. Pharmaceutical chemistry and pharmacognosy (module disciplines):

Research methodology; Instrumental analysis methods; Structural research of medicines; Medicinal plants in folk medicine; Features of phytochemical analysis of medicinal raw materials of plant and animal origin; Standardization of medicinal plant raw materials and phytopreparations, GLP rules in quality control of medicinal products; Modern approaches to the standardization of foreign and domestic medicines; State registration and re-registration of medicinal raw materials of plant and animal origin; Standardization and quality control of crushed medicinal plant materials and packaged products.

In each of the modules offered to students to choose from, disciplines are presented that form both scientific research and special competencies.

The topics of scientific works, their compliance with the specialty of training, the requirements of regulatory documents are considered at meetings of specialized departments, discussed by the Scientific Council and approved by the Scientific Council of the Academy.

IRWM corresponds to the main problems of the specialty, contains scientific novelty and practical significance; is based on modern theoretical, methodological and technological achievements of pharmaceutical science and practice.

In the EP, the place of pedagogical and research practice (scientific and pedagogical direction), industrial and research practice (profile magistracy) is determined: goals, types, volumes (loans), bases, organization.

When organizing the educational process at the Academy, the emphasis is on the use of interactive teaching methods that are of a practice-oriented nature: case studies, problem-oriented learning, team-oriented learning, business, role-playing games, the method of "brainstorming", the method of group discussion, portfolio, combined survey, teaching method in small groups, simulation technologies, presentations. However, the results of using interactive methods in the educational process should be formalized in the form of an act of implementation.

EP is aligned with the National Qualifications Framework and Professional Standards, Dublin Descriptors. The EP, implemented at the Academy, has external expertise and reviews.

Working curricula, academic calendars, curriculum for disciplines, forms of the individual curriculum of future undergraduates are presented on the Academy website.

The Academy assesses the quality of the program, including feedback from scientific advisers and undergraduates. The evaluation of the EP is carried out at the meetings of the department. Certain issues on the implementation of the EP are brought up for discussion at meetings of the Scientific Council. Feedback results are analyzed by the QMS department, discussed at meetings of departments and the Administration. Feedback results are taken into account when planning improvement work.

The EP update (the year the EP was introduced in 2010) at the Academy was carried out in 2019 in connection with the change in the state educational standard of postgraduate education, standard curricula.

Strengths of Standard 4 "Master's Program":

1. The focus of the educational program on the final learning outcomes.
2. Implementation of a competence-based approach, educational trajectories, integrated programs, innovative teaching methods.
3. When forming curricula, the consistency of the content of disciplines is taken into account, a logical sequence of their study and interdisciplinary communication are built.
4. A transparent procedure for assessing the academic achievements of a master student at all stages of mastering the EP.

Area for improvement:

Active involvement of employers, consumers of the educational program at all stages of development, consideration, evaluation of the educational program.

No recommendation.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –21
Satisfactory - 4 Suggesting
improvements - 0
Unsatisfactory - 0

STANDARD 5 "SCIENTIFIC GUIDANCE":

To provide scientific and methodological assistance when working on a thesis, control over the implementation of work, provide, if necessary, psychological support, develop recommendations for the participation of undergraduates in the educational process, within two months after enrollment, each undergraduate is assigned to supervise the master's dissertation scientific supervisor from among candidates or doctors of sciences, or PhD doctors, or qualified specialists of the relevant industries with at least 5 years of work experience

When choosing scientific supervisors for undergraduates in EP, the Academy is guided by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 On approval of state compulsory education standards at all levels of education and the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595 On approval Model rules for the activities of educational organizations of the corresponding types.

Themes of dissertations, scientific supervisors and consultants of undergraduates of the EP during the first two months after enrollment are considered at meetings of specialized departments, the Scientific Council under the guidance of the Vice-Rector for Scientific and Clinical Work and are approved by the Academic Council of the Academy.

If the thesis is carried out at the intersection of various scientific areas, then scientific consultants are appointed for related branches of science.

The following strengths are highlighted according to Standard 5 Scientific Guidance:

All scientific supervisors of undergraduates have academic degrees and are actively engaged in scientific research in the direction of the dissertation topic.
science.

Area for improvement:none.

There are no recommendations.

***CONCLUSIONS of* EEC by criteria (strong / satisfactory / suggest improvements / unsatisfactory):**

Strong - 6
Satisfactory - 0 Suggesting
improvements - 0
Unsatisfactory - 0

STANDARD 6 "DISSERTATION":

The master's thesis is an indicator of the formation of the master's student's competencies in scientific and pedagogical activities in accordance with MEP of the magistracy in the specialties "Pharmacy". The term for preparing a dissertation is 2 years, for a specialized master's degree - 1 year.

This academic year, 10 undergraduates in the scientific and pedagogical direction and 1 undergraduate in specialized magistracy will submit their theses for defense.

The results of the analysis of the list of publications and reprints of published works submitted by undergraduates for the EEC, confirmed compliance with the requirements of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 604 On the approval of state compulsory education standards at all levels of education, according to which the main results of a master's thesis should be covered at least in one publication and (or) one speech at a scientific and practical conference.

To date, all graduate students of the specialty Pharmacy successfully passed online approbation. As an example, for acquaintance with the EEC, a link was provided to the online approbation of the dissertation of Altynbek Dana and Sabyrkhan Ayakuz (https://meetingsemea15.webex.com/meetingsemea15-ru/j.php?MTID=m5b9c183a9ef82204b7ad1c81d4c0581c.). The commission noted the high level of master's works performed at the Department of Pharmaceutical and Toxicological Chemistry. The high publication activity of these undergraduates was also noted (Sabyrkhan Ayakuz is the author of 6 articles, 2 of them in journals recommended by the KKSON MES RK, 2 in publications from far abroad; 1 act of implementation in the territorial branch of the NCELS, Taraz. U Altynbek Dana, 5 articles, from of them 2 in the journals KKSON MES RK, 1 Inventor's certificate) and 2 undergraduates of the department "Organization and management of pharmaceutical business" (Ablaeva Didar author of 6 articles, 5 of them in journals recommended by KKSON MES RK, 1 in publications from far abroad; Barkizatova Gulzhanat author 6 scientific articles, 4 of them in the journals recommended by the KKSON MES RK, 1 in publications from far abroad).

The following strengths are noted in Standard 6 "Dissertation":

EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

Conclusions of **EEC by criteria (strong / satisfactory / suggest improvements / unsatisfactory):**

Strong - 11
Satisfactory - 0 Suggesting
improvements - 0
Unsatisfactory - 0

STANDARD 7 "EVALUATION OF RESEARCH WORKS":

The Academy defines principles and methods for evaluating undergraduates, including criteria for evaluating scientific work.

When evaluating a master's thesis, the following is taken into account: relevance of the topic; the novelty of the results obtained; application of new technologies in work; completeness of the literature review and the modernity of the sources used; compliance with the requirements for registration; the quality of the presentation on the defense (clarity, literacy, the ability to use professional terms, the quality of the demonstration material); correctness and completeness of answers to the questions asked during the defense and to the comments of the reviewer.

The final certification of students at the Academy is carried out within the time frame provided for by the academic calendar and working curricula of educational programs in the form of passing a comprehensive exam and defending a master's thesis.

To receive the final attestation, the State Attestation Commission (SAC) is formed.

Decisions on assessments of the defense of a master's thesis, as well as on the award of an academic degree and the issuance of a state diploma

are adopted by the SJSC at a closed meeting by a simple majority of votes of the members of the commission participating in the meeting. In case of equality of votes, the Chairman (Tulemisov S.K., General Director of Zhanga Shipa LLP, Doctor PhD) is entitled to an additional vote.

The results of the defense of dissertations are announced on the day they are held.

The minutes are signed by the chairman and members of the state certification commission who participated in the meeting.

After the completion of the work of the SJSC, all the protocols are transferred to the archive of the Academy for storage in the prescribed manner. Based on the results of defending the dissertation, a decision is made to award an academic master's degree.

The entire dissertation defense procedure is video-recorded. The video recording of the thesis defense on disk is included in the student's personal file.

If the master's thesis is in full compliance with the Rules for content, scope and design, two months before the defense, the supervisor submits the official external reviewer of the master's thesis for approval to the Scientific Council, indicating the place of work, position held, academic degree and academic title.

An official external reviewer, based on the study of a master's thesis, gives a review with a reasoned conclusion, indicating the assessment and the possibility of awarding or not awarding an academic master's degree in the relevant specialty.

The master's thesis is drawn up in the form of a written report and presentation for oral defense.

Requirements for a written report and presentation design are set out in PR 044 \ 244-2017 "Rules for the organization, registration of a master's thesis, their preparation and defense."

Decisions on assessments of the defense of a master's thesis, as well as on the award of an academic degree and the issuance of a state-recognized diploma are made by the SJSC at a closed meeting by a simple majority of votes of the members of the commission participating in the meeting. In case of equality of votes, the chairman is entitled to an additional vote.

The following strengths are noted according to standard 7 "Evaluation of Research Works":

EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

***Conclusions of* EEC by criteria (strong / satisfactory / suggest improvements / unsatisfactory):**

Strong - 7
Satisfactory - 0
Suggesting improvements -0
Unsatisfactory - 0

STANDARD 8 "MANAGEMENT AND ADMINISTRATION":

The air defense department is directly responsible for the organization and implementation of the educational process, the functioning of the EP. According to the Management Structure of the Academy, the Air Defense Department is under the supervision of the First Vice-Rector for Strategic Development and Innovation. The issues of improving the EP are considered and discussed at the Scientific Council, which is chaired by the Vice-Rector for Scientific and Clinical Work, and submitted for approval by the Scientific Council. The departments involved in ensuring the improvement of the educational program are presented on the Academy websitehttp://ukma.kz/ru/ For more information, see Structure.

The graduating departments are the following departments: Drug Technology "; "Organization and management of pharmaceutical business"; "Pharmaceutical and toxicological chemistry";"Pharmacognosy".

Information about the program being implemented is posted on the SKMA website.

A graduate who has completed training in the educational program of the magistracy and successfully passed the IGA and defended the master's thesis is awarded the academic degree of master of health in the specialty "Pharmacy". It must demonstrate the maturity of the graduate student as a researcher capable of creatively formulating and solving scientific and practical problems. Information about the educational program of the Master's degree in the specialty "Pharmacy" is posted on the website.

According to standard 8 "Management and Administration":

Strengths:

Availability of a standard, transparent educational program management system.

Improvement area:

1. *Active* support of teaching staff from the leadership of the university for educational and scientific activities.
2. Regularly monitor the results of introducing innovations into the educational process.

EEC recommendations:

1. Post reports on the financial activities of the university on the website for access to a wide range of the public, since the funding system should be based on the principles of efficiency, effectiveness, priority, transparency and responsibility.
2. The Academy should develop and implement a motivation system for teaching staff.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –13
Satisfactory - 7 Suggesting
improvements - 2
Unsatisfactory - 0

STANDARD 9. "CONTINUOUS UPDATE":

Monitoring of the educational program at the Academy is carried out on the basis of the results obtained: academic performance, feedback on the basis of the survey, students' proposals, reports of the state certification commission.

The results of the analysis are heard at meetings of the Academic Council, the rectorate and are the basis for measuring and increasing the effectiveness of activities in the preparation of master's students.

The revision of the mission and the final results of the educational program is carried out in compliance with the principle of transparency, with the participation of all parties involved in the process: scientific and pedagogical personnel, undergraduates, administrative structures at the level of the department, department, Academy, project management group.

Every year, in all divisions of the Academy, internal and external audits are carried out in order to determine the degree of compliance with the QMS requirements; evaluations

efficiency, functionality and identification of opportunities to improve quality, proposals are developed to improve and introduce new methods for assessing knowledge, achievements and competencies.

Modification of the final results of the educational program is approved by the Educational and Methodological Association of the Republican Educational and Methodological Council (EMA REMS) in the direction of "Health" under the Ministry of Education and Science. The learning outcomes are focused on professional standards of specialties and the state compulsory master's standard in the field of training
"Healthcare".

The Academy uses a differentiated approach to the principles of assessment depending on the discipline, which is reflected in the work programs / syllabuses of the disciplines. Evaluation criteria are aimed at learning outcomes.

The assessment of students' knowledge on exams is carried out using test tasks of various levels of complexity. To conduct test control at the departments, technical specifications of test items are developed, all test items are subject to examination and peer review by experts. The methods and forms of the exam are determined by the decision of the Scientific Council and the Scientific Council of the Academy.

Improvement of the monitoring and evaluation processes of the educational program is carried out not only through the internal monitoring system, which includes self-assessment of units, self-assessment of the Academy, internal audit of structural units, intra-department control, current, intermediate and final attestation of students, attestation of teaching staff, but also through periodic passing of the external assessment procedure the quality of educational programs in the form of institutional and specialized accreditation (IQAA, October 2014).

The organizational structure of the Academy is being improved on the basis of the Regulation on the Corporate Secretary and the Risk Management Policy http://www.ukma.kz/ru/korporativnoe-upravlenie.html...

To further improve the management principles, the Basic ethical principles have been developed, which the Academy relies on to implement its mission, these are the Principle of high professionalism of the teaching staff of SKMA, the Principle of quality in SKMA and the Principle of orientation of education.http://www.ukma.kz/ru/2018-05-10-12-57-05/missiya-videnie-tsennosti-i-eticheskie-printsipy.html

9. According to the "Continuous update" standard:

Strengths:

The Academy continually allocates resources for continuous improvement based on ongoing analyzes. Educational literature is purchased annually, laboratories are equipped with the latest equipment (announced in December 2019, received in February 2020) and comfortable conditions for students are created.

Improvement area:

1. Strengthening feedback with all stakeholders, especially with employers studying to improve the educational process in departments, with analytical results and specific approaches to improve.
2. Provide a procedure for regular review and revision of content, results / competence, assessment and learning environment, structure and function, document and correct deficiencies.
3. Ensuring the renewal of the EP, basing this process on promising research and analysis and on the results of one's own study, assessment and literature on postgraduate education.

No recommendation.

EEC conclusions by criteria (strong / satisfactory / suggesting improvement / unsatisfactory):

Strong –6
Satisfactory - 5 Suggesting
improvements - 0
Unsatisfactory - 0

VII OVERVIEW OF STRENGTHS / BEST PRACTICES FOR EACH STANDARD

According to standard 1 "Mission and learning outcomes" are marked the following strengths:

1. The mission and goals of the EP are fully consistent with the available resources, capabilities and requirements of the modern pharmaceutical market.

2. Integration of educational, practical and scientific directions in the educational program of the specialty 6M110400 / M142 "Pharmacy"

Area for improvement:

Ensure regular interaction with employers to implement and improve the educational program, taking into account the needs of practical pharmacy and pharmaceutical science.

Strengths of Standard 2 "Research Environment and Educational Resources"

1. Highly professional level of teachers, scientific leaders, consultants, 100% degree of teaching staff of the graduating departments, extensive experience both in the field of higher education, and participation in the implementation of research projects at various levels.

2. Opportunity to conduct scientific research undergraduates within the framework of the Pharmaceutical Cluster Consortium.

3. The opportunity for undergraduates to carry out a part of scientific research at a partner university (Gdansk Medical University (Gdansk, Poland in the framework of international internships).

4. The material and technical base of the specialized departments is at a fairly high level.

The following strengths are highlighted in Standard 3 "Policy and Admission Criteria":

Admission policies and procedures at the University are consistent with the mission and goals of the university, are officially published and available to those wishing to enroll in a master's program. In the Rules for admission to the magistracy, the policy of admission and selection of applicants has been determined and implemented, the technology of admission, the work of the selection committee are described.

Strengths of Standard 4 "Master's Program":

1. The focus of the educational program on the final learning outcomes.

2. Implementation of a competence-based approach, educational trajectories, integrated programs, innovative teaching methods.

3. When forming curricula, the consistency of the content of disciplines is taken into account, a logical sequence of their study and interdisciplinary communication are built.

4. A transparent procedure for assessing the academic achievements of a master student at all stages of mastering the EP.

The following strengths are highlighted according to Standard 5 Scientific Guidance:

All supervisors of undergraduates have academic degrees and are actively engaged in scientific research in the direction of science corresponding to the topic of the dissertation.

The following strengths are noted in Standard 6 "Dissertation":

EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

The following strengths are noted according to standard 7 "Evaluation of Dissertation Papers": EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

According to standard 8 "Management and Administration":

Strengths:

Availability of a standard, transparent educational program management system.

9. According to the "Continuous update" standard:

Strengths:

The Academy continually allocates resources for continuous improvement based on ongoing analyzes. Educational literature is purchased annually, laboratories are equipped with the latest equipment (announced in December 2019, received in February 2020) and comfortable conditions for students are created.

VIII REVIEW RECOMMENDATIONS FOR IMPROVEMENT OF QUALITY BY TO EACH STANDARD

According to standard 1 "Mission and learning outcomes" Area for improvement:

Ensure regular interaction with employers to implement and improve the educational program, taking into account the needs of practical pharmacy and pharmaceutical science.

EEC recommendations:

1. Develop a strategic plan for the development of the EP, corresponding to the stated mission of the Academy, including issues of improving the quality of the master's program

2. Constantly update the section on Master's programs on its website containing information on the criteria of the accreditation standard.

According to standard 2 "Research environment and educational resources"

Area for improvement:

Develop a strategic plan for cooperation with universities from far abroad for the implementation of joint educational programs in the specialty "Pharmacy" (joint educational program, double-degree postgraduate education, academic mobility of undergraduates and teachers).

No recommendation.

According to Standard 3 "Policy and Admission Criteria":

Scope for improvement:

Revise career guidance work by attracting applicants to study in the magistracy on EP M142/6M110400 - "Pharmacy".

No recommendation.

According to standard 4 "Master's program":

Area for improvement:

Active involvement of employers, consumers of the educational program at all stages of development, consideration, evaluation of the educational program.

No recommendation.

According to standard 5 "Scientific guidance":
Area for improvement: none.
There are no
recommendations.

According to standard 6 "Dissertation": EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

According to standard 7 "Evaluatiin of research works": EEC conclusions - the criteria of the standard are fully disclosed, there are no recommendations.

According to standard 8 "Management and Administration":
Improvement area:
1. *A*ctive support of teaching staff from the leadership of the university for educational and scientific activities.
2. Regularly monitor the results of introducing innovations into the educational process.
EEC recommendations:
1. Post reports on the financial activities of the university on the website for access to a wide range of the public, since the funding system should be based on the principles of efficiency, effectiveness, priority, transparency and responsibility.
2. The Academy should develop and implement a motivation system for teaching staff.

9. According to the "Continuous update" standard:
Improvement area:
1. Strengthening feedback with all stakeholders, especially with employers studying to improve the educational process in departments, with analytical results and specific approaches to improve.
2. Provide a procedure for regular review and revision of content, results / competence, assessment and learning environment, structure and function, document and correct deficiencies.
3. Ensuring the renewal of the EP, basing this process on promising research and analysis and on the results of one's own study, assessment and literature on postgraduate education.
No recommendation.

Appendix 1. Evaluation table "Parametersspecialized profile "

No.	CRITERIA FOR EVALUATION	Position educational organizations			
		Strong	Satisfactory	Suggests improvement	Unsatisfactory
1.	**"MISSION AND LEARNING OUTCOMES"**				
1.1	**Definition of the mission of the educational program**				
1.1.1	The medical education organization must define its mission of the educational program and bring it to the attention of stakeholders and the sector **health care.**	+			
1.1.2	The medical education organization **must** ensure that the main stakeholders are involved in the development (formulation) of the mission educational program.		+		
1.1.3	The mission statement of the study program **must** contain the goals and educational strategy of the program, allowing to prepare a competent researcher at the level postgraduate medical / pharmaceutical education.	+			
1.1.4	The medical education organization **must** ensure that the declared mission of the educational program includes the health problems of society, the needs of the system for the provision of medical and pharmaceutical care and other aspects of social responsibility.	+			
1.1.5	The medical education organization **must** ensure that the mission of the educational program corresponds to the mission of the organization and allows the preparation of a competent researcher at the level postgraduate medical education.	+			
1.1.6	A medical educational organization **must** have a strategic plan for the development of an educational program that corresponds to the stated mission of a medical educational organization, including issues of improving the quality of master's programs and approved by the advisory board of a medical education organization.			+	
1.1.7	Medical education organization **should** systematically collect, accumulate and analyze		+		

	information on the quality of implementation of master's programs; conduct an assessment of strengths and weaknesses (SWOT-analysis), on the basis of which the administration (pro-administration) together with the advisory board should determine the policy and develop strategic and tactical plans				
1.1.8	Mission and goals of the educational program: – **must** match the existing resources, market opportunities and requirements; – **must** ways to support them be identified.	+			
1.1.9	The medical education organization **should** provide access to information about the mission, the goals of the medical education organization for the public (availability of information in the media, on the web university website).		+		
1.1.10	The mission of the educational program, as well as the mission and goals of the medical education organization, **must** be approved on the advisory board	+			
1.2	**Institutional autonomy and academic freedom**				
1.2.1	The organization implementing master's degree programs **should** have institutional autonomy to develop and implement policies, for which the faculty and administration are responsible, especially with regard to: – development of an educational program; - the use of the allocated resources necessary for the implementation of the educational program.	+			
	Medical education organization ***should*** guarantee academic freedom to its employees and undergraduates:				
1.2.2	- in relation to the current educational program, in which it will be allowed to rely on various points vision in the description and analysis of issues in medicine and pharmacy;	+			
1.2.3	-the possibility of using the results new research to improve the study specific disciplines / issues without extension educational programs.	+			
1.3	**Learning outcomes**				
1.3.1	The medical education organization **must** determine the expected final learning outcomes that undergraduates must exhibit after completion Master's programs.	+			
1.3.2	Master's degree studies with the award of an academic master's degree **should** provide master students with the competencies that will enable them to become a qualified educator and / or researcher in accordance with the principles of the best research practice.	+			

1.3.3	Completion of the master's program **should** have a potential benefit for those who continue their careers outside the medical organization, and apply their competencies formed during the master's program, including critical analysis, assessment and solving complex problems, the ability to the transfer of new technologies and the synthesis of new ideas.	+			
1.3.4	The medical education organization **should** ensure that a regular (at least once a year) process of updating and restructuring leads to a modification of the final learning outcomes of graduates in accordance with the responsibilities that are assigned to graduates after graduation magistracy.		+		
	Total	**12**	4	**1**	
2	**Standard "RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES"**				
2.1	**Research environment**				
2.1.1	The success of individual master's programs **must** be provided with a strong and effective research environment.	+			
	The quality of the research environment **should** be assessed by analyzing:				
2.1.2	publications of research results (number publications, impact factor, etc.) by profile magistracy in medical education organization;	+			
2.1.3	level of attraction of external financing on the research in medical organization of education;	+			
2.1.4	the number of qualified and competent teachers, researchers in a group, at a faculty, educational institution;	+			
2.1.5	national and international cooperation with research groups of medical organizations, universities, research centers.	+			
2.1.6	Research **must** be carried out in accordance with international ethical standards and approved relevant competent committees by ethics.	+			
2.1.7	In order to provide access to the funds needed to write a thesis, master's programs may include training in other laboratories, preferably in another country, thus ensuring internationalization	+			
2.1.8	The implementation of the master's program **should** take place in the context of joint planning of education and research and joint responsibility of the scientific advisor and master's student for end results.	+			
2.1.9	Medical education organization should study		+		

	the possibility of providing joint master's programs with degrees from both universities and joint leadership to support cooperation between higher education institutions.				
2.1.10	The medical education organization **should** ensure that the process of updating educational resources is carried out in accordance with changing needs, such as the recruitment of undergraduates, the number and profile of academic staff, the program magistracy.	+			
2.1.11	The medical education organization **should:** - provide sufficient autonomy in the allocation of resources, including decent remuneration of teachers in order to achieve the final learning outcomes defined by the relevant indicators;	+			
2.1.12	- when allocating resources, take into account: a) scientific achievements in the field of medicine; b) problems of public health and its needs	+			
2.1.13	provide sufficient autonomy in the allocation of resources, including decent remuneration of teachers in order to achieve the ultimate learning outcomes;	+			
2.1.14	when allocating resources, take into account scientific advances in medicine and problems public health and their needs.	+			
2.2	**Material and technical base**				
	Medical education organization **must** have logistic support corresponding to licensing indicators, which include criteria:				
2.2.1	auditoriums, laboratories and their equipment **should** be modern and adequate to the goals and objectives of the master's program;	+			
2.2.2	undergraduates **must** be provided with the conditions for the implementation of independent educational and research work;	+			
2.2.3	updating and improving the material technical base **should** be carried out regularly.	+			
2.2.4	The medical education organization **must** have sufficient resources for the proper implementation of the master's program. The organization's resources should provide: – admission of undergraduates, – organization of training in the master's program, – dissertation work, – scientific leadership, – advising undergraduates, – consideration, review and evaluation of the thesis, – awarding an academic master's degree, – operating costs,	+			

	– costs of participation in training courses, international scientific conferences, – payment for tuition in the magistracy in institutions where it is practiced. Resources also include an undergraduate scholarship, however fees may vary.				
2.2.5	Resource policy **should** be aimed at maintaining and providing permanent professional development of program teachers magistracy.	+			
2.2.6	The medical education organization **must** provide a safe environment for employees, undergraduates and those who ensure the implementation of the program, including providing the necessary information and protection from harmful substances, microorganisms, adherence to technical rules safety in the laboratory and in the use of equipment.	+			
2.2.7	The medical education organization **must** have a service and support service for future undergraduates, including a receptionist office, research centers and laboratories, a canteen, a buffet, a medical center, sports grounds and halls.	+			
2.2.8	The medical education organization **has** approved procedures to improve the learning environment of undergraduates by regularly updating, expanding and strengthening the material and technical base, which must correspond to the development in practice learning.	+			
2.3	**Information Technology**				
2.3.1	The medical education organization **must** have information support corresponding to the goals and objectives of the master's program.	+			
2.3.2	The library should contain the materials necessary for training - educational, technical, scientific and reference literature, various periodical medical publications, etc.	+			
2.3.3	Undergraduates **must** have a timely and free access to library resources.	+			
2.3.4	The library **should** have the basic technical equipment to support day-to-day activities: fax machines, copiers, computers, printers available for public use, and a telephone with voice mail or answering machine.	+			
2.3.5	The library **should** have an informational website. The website may contain the following elements: links, interlibrary exchange forms, full-text e-journal articles, and a feedback form communication.	+			
2.3.6	The medical education organization **should** regularly monitor library resources, study and				

	implement strategies to meet existing and future needs of undergraduates.	+			
2.3.7	In the use of undergraduates **must** be computer classrooms with access terminals to information resources (local area network, Internet).	+			
2.3.8	In the medical education organization **should** control of availability and adequate use of information resources by undergraduates.	+			
2.3.9	In a medical education organization, ongoing update, improving and expanding the base of information resources with ensuring access for undergraduates to modern electronic databases, including foreign databases (Thomson Reuters (Web of Science, Thomson Reuters), Scopus, Pubmed, Elsevier, etc.).	+			
2.3.10	The medical education organization **should** open and constantly update on its website a section dedicated to master's programs containing the following information: – structure and staff of the magistracy department, duties of the head and employees of the department; – admission policy, including clear rules on the selection process for undergraduates; – list of master's programs; – structure, duration and content of master's programs; – criteria for the appointment of a supervisor outlining the characteristics, responsibilities and qualifications of the supervisor; – methods used to assess undergraduates; – criteria for the design and writing of a thesis; – a description of the procedure for defending a dissertation work; – a description of the work of the State Attestation Commission for the defense of master's theses; – a program for quality assurance and regular evaluation of the master's program; – information about undergraduates, taking into account the year of study; - information about the employment of graduates of the magistracy for the last 3 years, taking into account the direction of study (scientific and pedagogical, profile).	+			
	Total	**31**	1	**0**	
3	**POLICY AND RECEPTION CRITERIA Standard**				
3.1	The medical education organization **must** define and implement an admission policy, including a clearly established provision on the selection process undergraduates.	+			
3.2	Applicants for the Master's program **must** master the professional study programs of higher education (basic medical / pharmaceutical / chemical, higher professional (basic medical + internship)	+			

	or postgraduate education (residency).				
3.3	When selecting future undergraduates, the the research potential of the applicant, and not simply take into account his academic performance.	+			
3.4	In a medical educational organization, there **should** be a system for studying employment, demand, career support and continuous professional improvement graduates.	+			
3.5	The data obtained using this system **should** be used for further improving educational programs.	+			
3.6	Medical education organization **should** ensure that the process of updating and restructuring the educational programs master's degree leads to the adaptation of the admission policy of master's students, taking into account changing expectations and circumstances, the needs for human resources, changes in the postgraduate education system and program needs.		+		
	TOTAL: 6	**6**	1	**0**	
4	**Standard "MASTER'S PROGRAM"**				
4.1	**Model of the educational program, teaching methods and structure**				
4.1.1	The medical education organization **must** determine the model of the educational program, including an integrated model based on interdisciplinary communication and a competence-based approach, using technologies modular training, taking into account the final learning outcomes.	+			
4.1.2	The medical educational organization **must** determine the goal and objectives of the master's program, which are aimed at achieving the mission of the educational organization, the mission of the educational program and final learning outcomes.	+			
4.1.3	The medical education organization **must** ensure that the content of the educational program meets the requirements of the State Educational Standard of Education and the standard curriculum of the relevant specialty and is developed taking into account the needs of the labor market	+			
4.1.4	The medical education organization **must** ensure the implementation of the educational program with appropriate working curricula, academic calendar, curriculum for disciplines, forms of the individual curriculum of future undergraduates and an individual work plan undergraduate		+		
4.1.5	Master's programs **should** be founded performing original research that requires analytical and critical thinking and should	+			

	performed under scientific guidance.				
4.1.6	Medical education organization **should** ensure that educational program implemented in accordance with the principles of equality.	+			
4.1.7	The medical education organization **must** ensure that the undergraduate fulfills obligations towards doctors, teachers, colleagues, patients and their relatives in accordance with the Code Conduct / Code of Honor.	+			
4.1.8	The master's program **must** ensure that master students are taught the rules of ethics and responsible conduct scientific research.	+			
4.1.9	The medical education organization **must** determine the teaching and learning methods used that are consistent with the educational program and the achievement of students' competencies.	+			
4.1.10	The master's program **should** be structured with a clear time limit equivalent to 1–2 years full-time and contain: - theoretical training, including the study of cycles of basic and major disciplines; - practical training of undergraduates - various types of practices, professional internships; - research work, including the implementation of a master's thesis for a scientific and pedagogical master's degree; - experimental research work, including the implementation of a master's thesis for a specialized master's degree; - methodological approaches and teaching principles that correspond to the educational program and the achievement of the competencies of students	+			
4.1.11	The medical education organization **must** to provide mechanisms for the implementation of pedagogical practice (in accordance with the type of magistracy) for the formation of practical skills and teaching methods among undergraduates.	+			
4.1.12	The medical education organization **should** provide mechanisms for the implementation of research practice for the formation of undergraduates' knowledge, skills, competencies in the field of the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation experimental data.	+			
4.1.13	The medical education organization **should** provide mechanisms for the implementation of industrial practice for the formation of undergraduates on the basis of theoretical knowledge of practical skills, competencies and professional experience in the specialty being taught, as well as mastering advanced experience	+			

4.1.14	The medical education organization **must** ensure that future undergraduates will be able to study under the academic mobility program, have mechanisms / procedures for admitting students from other universities, recognizing loans, mastered under the academic mobility program		+		
4.1.15	An appeal mechanism **should** be developed in the medical education organization, allowing undergraduates to review the decision, concerning their programs and the evaluation of their theses.	+			
4.2	**Assessment of the Master's program**				
4.2.1	The medical education organization **must** have a program for monitoring processes and results, including the routine collection of data on key aspects of the educational program. The purpose of monitoring is to ensure the quality of the educational process, identifying areas for intervention.	+			
4.2.2	A medical education organization **should**, on the basis of approved mechanisms, regularly assess the quality of the program, including feedback from academic advisors, employers and undergraduates.	+			
4.2.3	The medical education organization **must,** on the basis of approved mechanisms, systematically collect, analyze and provide teachers and undergraduates with feedback, which includes information about the process and products of the educational program, including information about unfair the practice or misbehavior of teachers or undergraduates.		+		
	Medical education organization ***should*** ensure that the update process and restructuring is carried out regularly and is aimed at:				
4.2.4	-adaptation of the educational program model and methodological approaches to teaching to ensure that they are appropriate and appropriate;	+			
4.2.5	- adjusting the elements of the program and their relationship in accordance with advances in medical sciences, with changes in the demographic situation and state health / morbidity structure of the population and socio-economic, cultural conditions.		+		
4.3	**Engaging stakeholders**				
4.3.1	The medical education organization **should** involve teaching staff in its monitoring program and activities for evaluating the educational program composition and undergraduates, its administration and management.	+			
4.3.2.	The medical education organization **must** in its monitoring program evaluation of the educational program to involve teaching staff and undergraduates, their administration and management.	+			
4.3.3	Medical education organization **should** involve other stakeholders in the assessment process,				

	including representatives of academic and administrative staff, members of the public, authorized bodies for education and health, professional organizations, as well as develop mechanisms to encourage the participation of external experts in the assessment of educational programs.	+			
4.3.4	Medical education organization **should** provide access to the results of the evaluation of the educational program to all interested parties.	+			
4.3.5	The medical education organization **should** ensure that the process of updating and restructuring leads to an improvement in the monitoring and evaluation of the program in accordance with changes in the final learning outcomes and methods teaching and learning.		+		
	Total	**20**	5	**0**	
5	**SCIENTIFIC GUIDANCE standard**				
5.1	The medical education organization **must** determine a scientific supervisor for each undergraduate, and, if appropriate, a co-supervisor, so that cover all aspects of the program.	+			
5.2	The medical education organization **must** have mechanisms / procedures governing the process of discussion and approval of the candidacy of the scientific advisor and the research topic of the undergraduate in accordance with standard requirements and GOSO.	+			
5.3	The medical education organization **must** ensure that the candidates for scientific advisers will be selected from specialists with a scientific degree and are actively involved in scientific research in the field of science in their specialty training undergraduate.	+			
5.4	The medical education organization **must** have clearly defined duties and responsibilities scientific adviser.	+			
5.5	Academic supervisors **should** conduct regular consultations with their undergraduates.	+			
5.6	The undergraduate **must** study on the basis of an approved individual work plan, which is drawn up under the guidance of a supervisor, which must find reflected in the approved reports heard at the meeting of the department (departments) for each half-year	+			
	TOTAL: 6	**6**	0		
6	**Standard "DISSERTATION"**				
6.1	Thesis topic and supervisor of the undergraduate student **must** be approved after crediting in magistracy.	+			
6.2	The topic of the thesis should be assessed and approved by a group of independent experts	+			

	(examiners) through an external assessment of a written description or on the basis of a presentation of a scientific research work.				
6.3	The master's program **should** end with the preparation and defense of a master's thesis, which is an indicator of the formation of the master's student's competencies in accordance with the educational program.	+			
6.4	Research work in the scientific and pedagogical magistracy **should:** - correspond to the main problems of the specialty in which the master's thesis is being defended; - be relevant, contain scientific novelty and practical significance; - be based on modern theoretical, methodological and technological achievements of science and practice; - performed using modern scientific research methods; - contain research (methodological, practical) sections on the main protected provisions; - be based on international best practices in the relevant field of knowledge.	+			
6.5	Experimental research work profile master's program **should:** - correspond to the main problems of the specialty in which the master's thesis is being defended; - be based on modern achievements of science, technology and production and contain specific practical recommendations, independent solutions to management problems; - be performed using advanced information technologies; - contain experimental and research (methodological, practical) sections on the main protected provisions	+			
6.6	Medical education organization **should** be the term for preparation of the thesis is determined, limited to 1 - 2 years.	+			
6.7	The dissertation **must** be written by a master student independently, contain a set of scientific results and provisions put forward by the author for public protection.	+			
6.8	The structure of the thesis **should** include a literature review related to the research topic, goals and objectives of the research work, research methodology, results, discussion, conclusion, conclusions and further research prospects.	+			

6.9	The results of the dissertation work **should** be available to interested parties (undergraduates, supervisors, employees of the organization where the dissertation was carried out, researchers carrying out scientific work in a similar direction, and other categories of interested parties), i.e. published if copyright law or other reasons do not prevent this.	+			
6.10	The dissertation work **must** be accompanied by at least one publication and / or one presentation at the scientific practical conference.	+			
6.11	The medical education organization **should** provide a discussion of the master's thesis at a meeting of the department (departments), where the thesis.	+			
	TOTAL: 11	**11**	0		
7	**Standard "EVALUATION OF RESEARCH WORKS"**				
7.1	The medical education organization **must** determine, approve and publish the principles, methods and practices used to assess undergraduates, including criteria for evaluating scientific work.	+			
7.2	The final assessment and approval of the thesis **should** be carried out by the State Attestation Commission (SAC) for the defense of master's dissertations.	+			
7.3	Thesis defense **should** be carried out in a educational organizations where the master student is studying.	+			
7.4	The thesis must be reviewed (external) by a person with a Ph.D. degree or PhD-doctors on the profile of the thesis being defended.	+			
7.5	Thesis defense **should** include both preparation written version of the report, subsequent oral defense.	+			
7.6	Defense of the thesis **should** to be open to the public.	+			
7.7	An academic master's degree **should** be awarded by a medical education organization based on the decision of the SAC, which evaluates the dissertation (standard "Dissertation") and oral defense.	+			
	TOTAL: 7	**7**	0		
8	**GOVERNANCE AND ADMINISTRATION standard**				
8.1	**Program management**				
8.1.1	Management of medical education organization **must** be effective provide improvement of the educational program.			+	
8.1.2	The medical education organization **must** determine the structural unit responsible for the implementation of educational programs of postgraduate education and the achievement of final results learning.	+			

8.1.3	The structural unit responsible for the implementation of educational programs of postgraduate education **should** have the authority to plan and implement the educational program, including the allocation of allocated resources for the planning and implementation of teaching and learning methods, assessment of undergraduates, evaluation of the educational program and training courses.	+			
8.1.4	The medical education organization **must** ensure the interaction of undergraduates with management on the design, management and evaluation of graduate programs.		+		
8.1.5	Medical education organization **should** encourage and facilitate the involvement of undergraduates in the development of educational programs for the preparation undergraduates.		+		
8.1.6	The structural unit responsible for the implementation of educational programs of postgraduate education must ensure the transparency of the management system and the decisions made that are published in bulletins, posted on the website of the university, are included in the protocols for review and execution.			+	
8.1.7	The medical education organization follows through the structural unit responsible for the implementation of educational programs of postgraduate education, to plan and implement innovations in educational program.	+			
8.1.8	The medical education organization **should** include representatives from other relevant stakeholders in the advisory body responsible for the implementation of educational programs of postgraduate education, including other participants in the educational process, representatives from clinical and industrial bases, graduates of medical educational institutions, healthcare / pharmacy specialists involved in the learning process or other faculty teachers university.	+			
8.1.9	The medical education organization **should** ensure that the structural unit responsible for the implementation of educational programs of postgraduate education: - takes into account the peculiarities of the conditions in which graduates will have to work and accordingly modify the educational program; - considers the modification of the educational program based on feedback from the public and society as a whole.	+			
8.1.10	The medical education organization **mus**t periodically assess academic leadership against the achievement of its mission and learning outcomes.	+			

8.1.11	The medical education organization **should** ensure that the process of renewal and restructuring leads to an improvement in the organizational structure and management principles of the master's program to ensure effective operation and (in the future) to meet the interests of various stakeholder groups in conditions of changing circumstances and needs.	+			
8.2	**Academic leadership**				
8.2.1	The medical education organization **must** clearly define the responsibility of the academic leadership in relation to the development and management of educational programs.	+			
8.2.2	The medical education organization **should** periodically assess the academic leadership regarding the achievement of its mission and final learning outcomes.	+			
8.3	**Training budget and resource allocation**				
8.3.1	A medical education organization **must:** - have a clear range of responsibilities and authorities for providing the educational program with resources, including a target budget for training; - allocate the resources necessary to carry out the educational program and allocate educational resources in accordance with their needs.	+			
8.3.2	Medical organization financing system education **should** be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, delineation and independence of all levels of budgets.		+		
8.3.3	Financial and administrative policies **should** be aim to improve the quality educational programs.	+			
8.4	**Administrative staff and management**				
8.4.1	The medical education organization **must** have an appropriate administrative and academic staff, including their number and composition in accordance with qualifications, in order to: - ensure the implementation of the educational program and related activities; - ensure proper management and allocation of resources.	+			
8.4.2	Medical education organization **should** develop and implement an internal program for quality management, including consideration of needs for improvement, and conduct regular review and analysis of management.	+			
8.4.3	Medical education organization **should** ensure the implementation of the master's program in conformity with the quality management system, certified by independent	+			

	organizations.				
8.5	**Interaction with the health sector**				
8.5.1	A medical education organization **must** have constructive interaction with the health sector, with related health sectors, society and government, including the exchange of information, cooperation and initiatives of the organization, which contributes to the provision of qualified specialists in accordance with the needs of society.	+			
8.5.2	The medical education organization **should** provide an operational link between the educational program and the subsequent stages of the professional preparation.	+			
8.5.3	The medical education organization **should** be given an official status of cooperation with partners in the health sector, which includes the conclusion of formal agreements defining the content and forms of cooperation and / or the conclusion of a joint contract and the creation of a coordinating committee, and joint activities.	+			
	Total	**17**	3	**2**	
9	**"CONTINUOUS Upgrade" standard**				
	Medical education organization **should** as dynamic and socially responsible institution:				
9.1	initiate procedures for regular review and revision of content, results / competences, assessment and training environments, structures and functions, document and correct deficiencies;		+		
9.2	allocate resources for continuous improvement.	+			
	The medical education organization should:				
9.3	base the updating process on prospective research and analysis and on the results of our own research, assessment and medical literature postgraduate education;		+		
9.4	ensure that the renewal and restructuring process results in a revision of its policies and practices in line with previous experience, current activities and prospects.		+		
	Medical education organization in process updates / continual improvement **should** convert attention to:				
9.5	adaptation of the mission results postgraduate medical education to scientific, socio-economic and cultural development societies for the future;		+		
9.6	modification of the intended outcomes of postgraduate education in the selected health care field in accordance with the documented needs of the environment. Changes may include adjusting the structure and content of educational	+			

	programs, principles of active learning. The adjustment will ensure, along with the elimination of obsolete ones, the assimilation of new relevant knowledge, concepts, methods and concepts based on new advances in the basic biomedical, clinical, behavioral and social sciences, taking into account changes in demographic situation and population structure on public health issues, as well as changes socio-economic and cultural conditions;				
9.7	developing assessment guidelines, methods of administration and number of examinations in accordance with changes in learning outcomes and teaching methods, and learning;	+			
9.8	adapting the recruitment and selection policy for graduate students, taking into account changing expectations and circumstances, human resource needs, changes in the postgraduate education system and the needs of the educational program;	+			
9.9	adaptation of recruitment policies and formation academic staff in accordance with changing needs;				
9.10	improving the monitoring and evaluation process educational program.	+			
9.11	Improving the organizational structure and management principles to ensure effective operations in a changing environment and needs, and, in the long term, to meet the interests of various stakeholder groups.		+		
	Total	**6**	5		
	TOTAL:	**115**	**19**	**3**	

Appendix 2. PROGRAM OF VISIT TO THE EDUCATION ORGANIZATION

Appendix 3. RESULTS OF THE QUESTIONNAIRE OF TEACHERS

Appendix 4. RESULTS OF STUDENT QUESTIONNAIRE