



«АККРЕДИТЕУ 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 assessment for compliance with the requirements of
specialized accreditation standards of educational program
6D110400 «Pharmacy» (PhD doctoral study)
« SOUTH KAZAKHSTAN MEDICAL ACADEMY» JSC**

4-6 December 2018

**INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
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EXTERNAL EXPERT COMMISSION**

*Addressed to the IAAR
Accreditation Council*

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(PhD doctoral study)
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I. INTRODUCTION

In accordance with the order of the IAAR No.120-18-ОД dated 27.11.2018 the assessment of compliance of the educational program of doctoral study 6D110400 «Pharmacy» to the standards of specialized accreditation of IAAR was held in the «**South Kazakhstan Medical Academy**» JSC by an external expert commission. The report of the external expert Commission (EEC) contains an assessment of the educational program to the criteria of the IAAR, EEC recommendations for further improvement.

Commission structure

The Chairman of the Commission: Turdalieva Botagoz Saitovna, MD, Professor, «Kazakh medical University of continuing education» JSC (Almaty);

Foreign expert: Zhuravel Irina Aleksandrovna, doctor of chem. sci., Professor, head of clinical biochemistry, forensic toxicology and pharmacy of Kharkiv medical Academy of postgraduate education (Kharkiv, Ukraine)

Expert: Yeslyamgaliyeva Ardak Manapovna, candidate of med. sci., professor, «Astana Medical University» JSC (Astana);

Employer: Tuleyev Ikram Tuleyevich, Chairman of the public Association of health workers «Ontustik» (Shymkent);

Student: Kurayish Assel Yerzhankyzy, a member of the Kazakhstan students Alliance in South Kazakhstan region, the student of 4th course of H. A. Yassavi International Kazakh-Turk University. (Turkestan);

The observer from the Agency: Aimurziyeva Aigerim Urinbayevna, head of medical projects of the Agency (Astana)

II. PRESENTATION OF «SOUTH KAZAKHSTAN MEDICAL ACADEMY» JSC

South-Kazakhstan State Pharmaceutical Academy JSC was renamed South-Kazakhstan Medical Academy JSC by the decision № 1 of the Sole Shareholder of SKSPhA JSC dated 13 February, 2018.

In present time the training of specialists with the higher education of medical and pharmaceutical profile according to programmes of bachelor degree, internship, magistracy, residency and doctoral studies is conducted. There are medical faculty, pharmaceutical faculty, faculty of continuous professional development, department of internship and employment of graduates, department of postgraduate education (magistracy, residency, doctoral studies) and 31 departments in structure of the Academy.

The infrastructure of the Academy is represented by: four academic buildings, educational building No. 2 (Al-Farabi Square, 3) has been commissioned since 2018; two dormitories - No. 1 (Baitursynov St., 84) for 460 places and dormitory No. 2 (Al-Farabi Square, 3) for 530 places were granted to students in August 2018; educational and professional base in the village of Keregetas of the Tolebi district with a total area of 4.5 hectares, includes a sports and recreational base and educational and professional base for the cultivation, collection, processing of medicinal plants, where the practice of botany and pharmacognosia is conducted among students learning. At the base there is a dining room for 75 seats, an outdoor swimming pool and sleeping cabins; land plot in the Yntymak microdistrict, Shymkent, area of 9.24 hectares.

The Academy concluded agreements on conducting training sessions with clinical bases of medical organizations in Shymkent. Every year contracts are concluded with medical and preventive treatment facilities, pharmacy institutions, and pharmaceutical enterprises of Shymkent city on the implementation of all types of students' practice.

The personnel policy of the Company PP 044 / 103-2018 was approved by the decision of the Board of Directors of the "SKMA" JSC dated 04.06.2018.

The core values and ethical principles of the Academy are proclaimed:

- Basic ethical principles
- Principle of high professionalism of TS
- Principle of quality
- Principle of orientation of training.

The AIS DeskNet electronic document management system operates at SKMA (www.ukma.kz – home page - Electronic document management), distance learning for doctors and pharmacists (www.ukma.kz - the main page of the Academy's website - Distance Learning) and in the specialties of the magistracy.

According to the results of the ranking of research and innovation activities of higher education institutions, SKMA occupied the leading positions in 2nd and 3rd places. According to the results of the ranking in January 2018, SKMA takes the 2nd general place among the organizations of science and medical universities.

In order to implement the Policy of multilingualism in SKMA, there are English courses for teaching staff, levels of study Pre-Intermediate, Intermediate, Upper-Intermediate.

In the 2017-2018 academic year, the Academy trained 2311 undergraduate students, 405 intern doctors, 107 undergraduates, 99 students of the residency.

The mission of the South Kazakhstan Medical Academy is formulated as follows: "Training of highly qualified competitive medical and pharmaceutical specialists for the Southern region and the country as a whole on the basis of the achievements of modern science and practice, ready to adapt to the rapidly changing conditions in the medical and pharmaceutical industry through continuous improvement of competence and development of creative initiative". The proclamation of this mission concept is consistent with the goals and objectives of the development of health care and medical education in the Republic of Kazakhstan.

The strategic directions of SKMA JSC for 2018-2020 have been developed.

According to the mission and vision of SKMA the following strategic directions are defined:

- Strengthening of HEI positions in educational and scientific space
- Ensuring high level of competitiveness of educational services
- Development of institutional scientific capacity of higher education institution.
- Improvement of educational programs of continuous professional development of health sector's practical workers
 - Development of effective technologies of human resources management
 - Increase the TS's and personnels' of higher education institution competences level and development of corporate management.
 - Management of TS's clinical activity.
 - Creation of the effective system of financing of HEI management and development of innovative structure.
 - Ensuring financial stability and financial independence of HEI.
 - Effective management of HEI's activities.
 - Development of modern infrastructure for educational and scientific activity

Strategic tasks of SKMA

- improvement of an internal system of education quality assessment;
- increase the potential of TS;
- training of highly qualified scientific personnel;
- expansion of a range of medical, pharmaceutical, biological scientific research and implementation of results in education and practice:
 - development of educational and scientific infrastructure of the Academy;
 - improvement of educational programs;
 - creation of social conditions for successful training and development of students;
 - creation of a system of transnational recognition of curricula and diplomas.

Implementation of the strategic plan is directed to achievement of a mission and strategic objectives of higher education institution, improvement of a management system of higher education institution, modernization of medical education and ensuring quality of training of specialists and provided services, strategic management of human resources and development of innovations and medical science, material resources of higher education institution and integration into the international scientific and educational space.

In 2006 activity of the Academy is certified by the international company «National Quality Assurance Limited» (NQA) on compliance to requirements of the international standard ISO 9001:2000. Effective functioning of a quality management system of higher education institution is confirmed by results annual inspection and recertification audits (2009, 2012, 2015) on compliance to requirements of MS of ISO 9001:2008 in the relation with:

- educational process in the sphere of the higher, postgraduate and secondary professional education in the field of medicine and pharmacy;
- clinical activity;
- scientific research activity.

On October 23-25, 2018 activity of the Academy was certified by Association on certification «Russian Register» on compliance to requirements of the international standard ISO 9001:2015.

In 2013 the Academy passed institutional accreditation in Independent quality assurance agency in education (IQAAE) with the international participation and on November 27-29, 2018 passed the procedure of accreditation in connection with the expiration of five-year term.

SKMA carries out cooperation in medical science, education and practical health care with more than 30 leading foreign higher education institutions of the near and far abroad on the basis of the concluded memoranda of understanding, contracts, agreements on the international cooperation which number increases every year. In September, 2018 Memorandums of

cooperation with the leading higher education institutions of Turkey, Spain, Romania and Great Britain are signed.

The directions of research works of SKMA are determined according to the capacity of higher education institution by the priority directions of development of science and also needs of the area.

TS of the Academy executed 27 STP, that the passed state registration, financed by means SKMA in recent years.

For the reporting period 10 monographs are published; 6 patents (2 of them Eurasian), 2 certificates on the state registration on subject of copyright are taken out; 1444 articles, 69 of them are published in the reviewed international editions indexed by base «Thomson Reuters», «Scopus» with an impact-factor from 0.16 to 5.63.

The number of TS's citing scientific publications for the reporting period increased from 120 to 183 units. In SKMA 2 international scientific and practical conferences were held. In 2017 by results of ranging of the organizations of medical science and medical schools, on indicators in scientific and innovative activity SKMA took the 2nd place.

According to International Financial Reporting Standards the Academy undergoes external audit annually. In 2017 the Academy was successfully checked out by Department of internal audit the Ministry of Health of the Republic of Kazakhstan. External audit was held according to the contract with Independent Auditor Company "Professional" LLP. By results of audit there is a positive audit report of the independent auditor. Sources of financing of higher education institution are diversified.

III. DESCRIPTION OF THE EEC VISIT

The visit of the external expert commission (EEC) to SKMA was organized from December 06 to December 08, 2018 according to the program agreed with the chairman of EEC, MD, prof. Turdaliyeva B. S. and approved by the rector of the Academy MD, prof. Rysbekov M.M.

The commission studied normative and educational and methodical documents on educational disciplines, including, standard training programs, working programs, educational and methodical complexes, etc. materials provided by higher education institution.

All materials requested by the commission were provided to SKMA in due time and in full. For the purpose of obtaining objective information according to activity of the Academy by members of EEC the following methods were used: visual inspection, observation, interviewing of staff of various structural divisions, teachers, students, employers, questioning of the faculty and students. The presence of all persons specified in the program of visit was provided by SKMA. 3-days visit program of EEC was executed completely.

04.12.2018 the preliminary meeting of members of IAAR EEC took place. During the organizational meeting are acquainted with the visit purposes, the program of visit was specified, responsibility of members of EEC were distributed. Three main subgroups of members of EEC, the expert on educational programs on specialties Pharmacy (the 1st group), Pediatrics (the 2nd group), Dentistry (the 3rd group) were defined. Such division was caused by the large volume of work of EEC and need of visit of the departments implementing the accredited educational programs. The short overview of reports on a specialized self-assessment of SKMA specialties, discussion of key questions was carried out, additional information which needs to be requested from higher education institution for validation and full knowledge of members of EEC when carrying out specialized accreditation was defined.

According to the program of visit conversations of members of EEC with the management of the Academy, vice rectors for the directions, teachers, administrative and managerial personnel took place on December 04. Interviews with students were conducted. Objects on the accredited programs were visited: research laboratory of medicinal plants, dental clinic of higher education institution, clinical diagnostic laboratory, library information center, training clinic-

simulative center. The meeting with the deans, teachers managing the releasing departments in «Pediatrics», «Dentistry» and «Pharmacy», questioning of teachers and students took place. During visit of the main divisions of SKMA, employees provided the presentations and answers to questions of experts of EEC were given. So, the office registrar informed on activity, work of the information system «Platonus» was shown, in the same day meetings with the head of the department of strategic development and international activity, the head of the department of social affairs and youth policy, the head of the academic and methodological center, the head of scientific and clinical department, the head of HR department took place.

On December 05 members of EEC visited clinical bases – «Regional Children's Hospital», MEB on REM «City Dental Polyclinic», the dental clinic of «Dental-berik», departments located on bases of clinics Shymkent. For example, visiting the department of pediatrics and children's surgery the meeting with the chief physician of regional children's hospital Maymakov A.M. took place. On clinical bases full information on realization of educational process with elements of dual education was provided. The meeting with bachelors who showed all necessary skills and competences received in higher education institution was organized. Bases are rather equipped for carrying out studies and working off of practical skills.

Thus, the commission visited all clinical bases of the Academy. All clinics of the Academy in addition to maintenance of educational process are intended for optimum satisfaction of needs of the population for the disease-prevention, medical and diagnostic, medico-social and medicinal service. Provide medical care within the state order for the guaranteed volume of medical care. Compliance of clinical bases of the Academy to regulatory requirements is analyzed by results of the booked internal and external audits.

Experts visited departments of pharmacognosy, pharmaceutical and toxicological chemistry, drug technology and organization and management of pharmaceutical business. The meeting with the head of the department of drug technology prof. Sagindykova B.A. was conducted. Visiting bachelor's and master's classes took place.

At the meeting with the head of the department of pharmaceutical and toxicological chemistry prof. Ordabayeva S. K. discussed the prospects of training of doctoral candidates on the basis of scientific and educational laboratory of department, got acquainted with the analytical equipment of laboratory. Lecturer of the department of toxicological chemistry ass. prof. Serikbayeva A.D. showed how the practical classes on discipline «The analysis of natural biological active connections» are organized. Discussed issues of abroad practical training of undergraduates with the head of the department of pharmacognosy prof. Omiraliyev M.A. Candidate of pharm. sci Blinova O.V. acquainted members of the commission with scientific activity of teaching staff of the department of organization and management of pharmaceutical business. Visit of classes at the releasing departments took place.

The meeting with students (bachelor degree, magistracy) was held.

At a meeting with employers there were representatives according to all accredited programs.

According to the procedure of accreditation on-line questioning of teachers and students was carried out. Following the results of poll of teachers in which 24 persons participated it is revealed that 100% of respondents noted that they are satisfied with contents of the educational program, 100% noted that the university gives an opportunity for continuous development of potential of teachers, and more than 93% can actively apply own methods of training in educational process. All respondents responded that in library there is necessary scientific and educational literature. 100% of the teachers participating in questioning consider that in higher education institution safety of work is ensured. Most of respondents (100%) are sure that their innovative activity is encouraged with the management and as much satisfied with work on professional development of TS. Many respondents as concerning development of new educational programs, and motivational approaches are satisfied with support of the management. In general the vast majority of questioned answered all 65 questions of the questionnaire positively and consider that it is actively developing higher education institution

with great opportunities for growth and conditions both for teachers and employees, and for students.

Questioning of 21 students was conducted. Following the results of poll of 100% are satisfied with the relations with dean's office, 100% are satisfied with the level of availability and responsiveness of the management of higher education institution, availability of the academic consultation (100%), training materials (100%), availability of library resources (100%), corporationism of the environment of higher education institution (100%), the general quality of training programs (100%), training methods (100%), quality of teaching (100%), knowledge on different aspects of training (100%), objectivity and justice of teachers (100%), use of effective methods of teaching (100%). Concerning qualitative characteristics of teachers most of the interviewed students positively spoke.

For the work of EEC comfortable conditions were created, access to all necessary information resources is organized. The commission notes the good level of corporate culture of SKMA, high degree of openness of collective in providing information to members of EEC.

The recommendations about improvement of activity of educational programs of the accredited specialties of higher education institution developed by EEC following the results of examination were submitted at a meeting with the management on December 06, 2018.

IV. COMPLIANCE TO THE PRIMARY SPECIALIZED ACCREDITATION STANDARDS OF EDUCATIONAL PROGRAM 6D110400 «Pharmacy» (PhD doctoral study)

The mission of the EP on specialty **6D110400 «Pharmacy»** is aimed at training highly qualified competitive specialist – scientist and teacher with the award of the degree of PhD in the pharmaceutical profile based on the achievements of modern science, practice and education, ready to adapt to the dynamically changing conditions in the pharmaceutical industry by constantly improving professional competencies (approved at the meeting of the Academic Council of SKMA JSC, protocol No. 2, 26.09.2018). The mission is developed with the assistance of employees, TS, undergraduates and employers and completely corresponds to the Mission of SKMA JSC.

Standard 1. MISSION AND FINAL RESULTS OF THE TRAINING

The mission of the EP is determined by the State Program for the Development of Education of the Republic of Kazakhstan for 2011–2020, the State Program for Health Development of the Republic of Kazakhstan “Densaulyk” for 2016–2019, the relevant to state educational standards, and the strategic directions of the Academy for 2018–2020. The objectives of the EP are regulated by the Order of the deputy Minister of health and social development of the Republic of Kazakhstan No. 647, July 31, 2015 «About the approval of the state obligatory standards and standard professional training programs on medical and pharmaceutical specialties.

The quality policy, the mission and the vision of the Academy are presented to all interested internal and external parties on the official website of the Academy <http://ukma.kz>. The content of the documents is brought to the notice of all the staff of the Academy at meetings of the Academic Council of the Academy.

SKMA JSC carries out training of specialists of a pharmaceutical profile with orientation to requirements of economic and social development of the country, realization of the needs for provision of the population by medicines, harmonization of education with the leading domestic and foreign Higher education institutions, implementation of the international standards in the pharmaceutical industry.

Educational process is based on competence-based approach which provides acquisition of cognitive and practical skills, communicative and legal competences, develops aspiration to self-education.

Characteristic of EP includes the following fields of professional activity: pharmacy, education, science, social protection. Objects of professional activity of EP are pharmaceutical development of medicines, organization of pharmaceutical production, implementation of the international standards in the pharmaceutical industry.

The mission and the objectives of the program were discussed at of Pharmacy Faculty Council in which representatives of the faculty, employers, representatives of the SKO professional pharmaceutical association, all divisions of the Academy and owners of processes participated. Formulation of the statement for a mission and the objectives was based on the opinion and offers developed by results of polls of interested parties, discussions in collective, participation in round tables. Discussion took place on Scientific council of the Academy, was approved by the decision of the Academic Council of the Academy.

Content, volume and the sequence of EP courses strictly conform to standards of education, at the same time the Academy has an opportunity to independently form a component for choice. TS and administrative structures of the Academy have high degree of the academic freedom during the forming and realization of EP. Offers on maintenance EP, elective disciplines, all changes and additions in EP and working programs of disciplines were discussed at departments, profile faculty Council, are coordinated and approved on the Academic Council that guarantees compliance of training provided by certain teachers and departments to structure of EP. Development and decision-making on use of the allocated resources for realization of EP are discussed at the level of Scientific Council, administration, decisions are made at the level of the Academic Council.

For achievement of the educational program objectives the Academy provides acquisition by doctoral candidates of necessary knowledge and competences on the basis of studying of basic and profile disciplines, formation of skills and abilities when passing professional (pedagogical, research) practicing and when performing research work. In EP professional competences and qualifications of doctoral candidates are structured in modules and reflected in working programs of basic and elective disciplines. Special competences are developed separately for each trajectory of EP, taking into account requirements of employers and social inquiry of society. The training outcomes of EP is acquisition is the research dissertation presented to defense. To the persons who completely mastered educational programs of scientific and pedagogical doctoral studies and defended the doctoral dissertation the academic degree of the doctor of philosophy on a profile is awarded.

Strengths of SKMA JSC are the high rating of educational programs of postgraduate level; existence of the highly skilled TS having experience of preparation of scientific personnel of the top skills; demand of graduates of the Academy in the labor markets of SKO and other regions of Kazakhstan; high need of students for this program and request from employers for training of specialists according to this program.

As the area for further improvement should be offered intensification of advance of the given EP in the educational market of the republic and abroad.

Standard 2. RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES

The efficiency and success of implementation of the educational program of doctoral studies on 6D110400 «Pharmacy» is provided with existence of the strong research environment including existence:

- the harmonious scientific and pedagogical collective having sufficient experience in training of candidates of science and PhD-doctors;
- constantly renewed research base;
- actively functioning versatile bases of practice;

- the developing cooperation with the leading medical research organizations and institutions of Kazakhstan, the near and far abroad: Gdansk Medical University (Gdansk, Poland); Institute of biomedical researches of the university of Barcelona, Spain; Pamukkale University, Denizli, Turkey.

The departments which are releasing EP:

1) Department of Drug Technology - the head of the department is a professor Sagindykova Bayan Akhmetovna of <http://ukma.kz/ru/structure/kafedry/kafedra-tehnologii-lekarstv.html>

2) Department of Organization and Management of Pharmaceutical business - the head of the department is a professor Shertayeva Klara Dzholbarysova <http://ukma.kz/ru/structure/kafedry/kafedroj-organizatsii-i-upravleniya-farm-delom.html>

3) Department of Pharmaceutical and Toxicological Chemistry - the head of the department is a professor Ordabayeva Saule Kutumovna <http://ukma.kz/ru/structure/kafedry/kafedra-farmatsevticheskoy-i-toksikologicheskoy-khimii.html>

4) Department of Pharmacognosy - the head of the department is acting associate professor Murat Adikhanovich <http://ukma.kz/ru/structure/kafedry/kafedra-farmakognozii.html>

The total number of TS at faculty according to the program of doctoral studies makes the 16 persons among whom doctors of sciences - 3, candidates of sciences – 13, all teachers have experience both in the sphere of the higher education, and in implementation of research projects of various level. For the last 3 years this scientific and pedagogical collective published 483 articles from which 25 – in the quoted editions; 20 patents were taken out; 12 people have the nonzero Hirsha index. TS of the releasing departments are scientific consultants of doctoral candidates of a number of medical schools of RK, are members of their dissertation councils that confirms existence of sufficient scientific and pedagogical experience for implementation of the program.

The departments of a pharmaceutical profile providing this EP are located at the address Al-Farabi sq. (main building), the total area is 1520 sq.m, and 1390 sq.m are allocated for the educational purposes. There are 44 educational classes. All lecture halls of academic buildings of higher education institution and also many educational classrooms and laboratories are equipped with stationary means for multimedia maintenance of lectures and a practical classes.

The Academy provides the Research laboratory of herbs, scientific and educational laboratory of department of pharmaceutical and toxicological chemistry, the research laboratory of genomic researches (RLGR) equipped with the modern equipment for ensuring scientific research of doctoral candidates: the highly effective liquid Sykam chromatograph (Germany), the LHM 2000 gas chromatograph (Russia), spectrophotometer Federation Council-2000 (Russia), the digital PD-303S spectrophotometer (Japan), the photoelectrocolorimeter KFK-2-UKL 4.2 (Russia), the atomic and adsorptive MGA-1000 spectrophotometer (Russia), PTWS 120D the Tester of dissolution of tablets in a set (Germany), PTZAUTO 2 the Tester of disintegration of tablets in a set (Germany), SPT-2 the Tester of full deformation of suppositories (Germany), a one-drum tester of fragility of tablets AAC, PTF 10 ER with an abrasive drum (Germany), scales electronic analytical Shtrokhlyayn (Germany), a potentiometer of PH 150MA (Russia), the IRF 454B 2M refractometer (Russia), a rotor of Rotamix RM-1, the MSC-3000 centrifuge, a set for carrying out a thin layer chromatography of USP 1M (Russia), an ionomer laboratory I-160 (Republic of Belarus), Mini-Shaker 3D mini-shaker (Latvia, Riga), a mill of laboratory M-20, the microtome rotational CUT 6062, the magnetic mixer with the MSH-300 heater, the muffle MIMP-10UE furnace, a laboratory microscope of MS of 50 Micros (Austria).

Today there is an opportunity to conduct scientific research within consortium «A pharmaceutical cluster» or in partner higher education institution: The Gdansk Medical University, I.M. Sechenov the First Moscow state medical university, the Bashkir state medical university, the Tashkent medical academy, the Tashkent pharmaceutical institute, the Tashkent pediatric medical institute, the Bukhara state medical institute of Abu Ali Ibn Sino, the Pyatigorsk medico-pharmaceutical institute, within the international training. On passing the

practicing of doctoral candidates contracts with Association of a pharmaceutical cluster of the South Kazakhstan, Phyto-Apipharm LLP, Zhanga shipa LLP were signed.

Work on development and implementation of the joint program of postgraduate level with issue of the double diploma with the university of M. Auezov is conducted.

In Academy the Local Ethical Committee (LEC) guaranteeing respect for ethical standards when carrying out scientific research works.

Within three years the purchase of the capital equipment, reactants and expendables was made. 170946145 tenge, in 2016 – 82557799 tenge, in 2017 – 28535178 tenge were spent for these purposes in 2015.

Work for attraction of external financing in the form of MES RK grants is carried out to the Academy. At the expense of means of grant scientific projects the necessary equipment and also raw materials, materials and chemical reactants for performance of scientific research are bought.

For efficiency assessment in the field of quality of EP the Academy actively develops the international cooperation with the European organizations of education, participates in the international meetings, conferences on questions of development and deployment of the international standards of education, global internationalization of researches.

Resources of Academy are sufficient for realization of all EP components.

Procedures of enrollment of doctoral candidates on training, the organization of training, performance, registration of research work (including scientific consultation, consideration, reviewing and assessment of theses) are approved by the rector and correspond to all Laws and Statutory Instruments.

Financing of programs of doctoral studies is carried out in compliance with a regulatory framework (The order of the deputy Minister of Education and Science of the Republic of Kazakhstan No. 374, August 7, 2009 «About the approval of financial standards for the higher and postgraduate education»). The amount of payments is defined on professional practice, passing of the international internship (including expenses on transport and accommodation), on trips to conferences and other forums, providing EP with necessary training materials, acquisition of the equipment for educational process, service of office equipment and difficult equipment by standards. Also according to standards the staff schedule of the Academy, expenses on utilities are defined (depending on category of educational institution according to Construction Norms and Regulations 2.08.02-89).

Material requirements are determined by realization of EP independently by each division, annually prior to the beginning of calendar year applications which are transferred further to the supervising vice rector are formed and are considered at the level of the management of the Academy.

To the doctoral candidates enrolled on training in the state grant will be monthly paid scholarship according to the established sizes.

Information and library service of doctoral candidates and TS of the Academy is carried out by library information center where the considerable fund of educational, scientific and reference books, periodicals on all cycles of the studied disciplines is brought together.

In structure of Library information center 2 subscriptions, 3 book-depositories, 6 reading rooms, media library. The library stock is formed according to MES RK orders No. 508 of July 18, 2003 «On the approval of the Instruction about formation of fund of library of the state organizations of formation of RK», of January 19, 2016 No. 44 «Rules on formation, use and preservation of fund of libraries of the state organizations of education» according to a profile of academy, on the basis of the pre-order from the departments and faculties, and the amount of funds allocated for purchase of educational and methodical, scientific literature.

The uniform information library stock makes 524566 copies, including in a state language of 228953 copies of all types and types of editions. From them fund of educational literature – 370,863 copies, scientific literature of 153,703 pieces. The fund of scientific literature is presented by abstracts, monographs, theses, periodic scientific publications on a profile of each

educational program and makes 30% of the general fund of library. For the last three years 61611 copies of literature, including in a state language -41050 copies, in English -4689 pieces are acquired. Updating of library stock averages 5% a year.

The fund of literature for the basic and main subjects of EP makes 12243 copies, including in a state language – 5562. The fund of periodicals makes 16000 copies.

For ensuring requirements in educational, scientific and queries on-line access to full text databases is open for users of the Academy in library:

- DB of Web of Science of the Thomson Reuters www.webofknowledge.com company
- DB of Sciencedirectkompanii Elsevier www.sciencedirect.com
- DB of Scopus of the Elsevier www.scopus.com company
- Republican Interuniversity Electronic Library (RIEL),
- EPATIS www.eapatiz.com
- PubMed www.ncbi.nlm.nih.gov/pubmed
- Plenipotentiary Representative,
- full text information and legal system 'Zan'
- information system «Paragraph», section «Medicine»
- an electronic and library system «The student's consultant for medical school»
- SKMA www.lib.ukma.kz electronic library

At the disposal of doctoral candidates of 12 computer classes, equipped with 167 computers. Computer and test information center. The computers are united in uniform local network and have access to a corporate data transmission network of the Academy, the website of the Academy and Internet.

At all workstations packages of application programs and program and technological complexes of educational appointment are installed.

Strengths of SKMA JSC in providing this standard should be considered the high professional level and sufficient experience of TS participating in realization of EP of doctoral studies; existence of the developed scientific directions of a pharmaceutical profile; the developed system of stimulation and motivation of scientific consultants; a possibility of attraction to scientific consultation of leading experts of the organizations of practical pharmacy and foreign experts, an opportunity to conduct researches in other scientific centers; sufficient material and technical resources.

As the recommendation to improvement should provide a package of measures for intensification of TS participation in the international grant projects.

Standard 3. POLICY AND ENROLLMENT CRITERIA

Regulations of enrollment at SKMA JSC in doctoral studies on 6D110400 «Pharmacy» are developed according to Standard Regulations of Admission to training in the organization of education, implementing professional training programs of postgraduate education, approved by the Government resolution RK of 19.01.2012 No. 109 and the State obligatory standard of postgraduate education approved by the Resolution of the government of RK No. 1080, 23.08.2012 (Section 1. Doctoral studies): on a competitive basis by results of entrance examinations. Also in Regulations of enrolment in doctoral studies the policy of enrollment and selection of entrants is defined and introduced, the technology of transfer, work of selection committee, formation of the contingent of students are described.

Entrance examinations (the I stage) in a foreign language are held by the National center testing of the Ministry of Education and Science of the Republic of Kazakhstan in the form of testing on one of foreign languages in volume of the programs installed for university graduates. Entrance examinations (the II stage) are held in the form of testing. The program of entrance examinations before and during entrance examinations is posted on the official site of the Academy for acquaintance of entrants.

The division responsible for the organization of documents acceptance and holding an introductory campaign on training in doctoral studies in the Academy, is the Office of Registrar.

Assessment of research potential of the applicant enlisted in doctoral studies and justifications of the dissertation research planned by him/her is carried out by members examination committee next day, after holding an entrance examination in special discipline. For evaluating the planned research the summary of a dissertation research of each applicant in doctoral studies is submitted on the commission without instructions full name of the applicant.

In general it should be noted such strengths of the Academy as existence of Policy of enrollment of the mechanisms of its realization entrants to doctoral studies and also fulfilled and documented.

Standard 4. PROGRAMME OF DOCTORAL STUDY

Scientific and pedagogical preparation in doctoral studies is focused on research and pedagogical activity. The standard duration of training on EP is 3 years. Training of doctoral candidates is carried out on the specialties included in the qualifier of specialties of the higher and postgraduate education of RK.

EP is implemented on the basis of the releasing departments of pharmacy faculty having the necessary equipment, technical means of training, experimental platforms, laboratory and educational rooms, the educational and research equipment; having the signed contracts for passing the practicing and assuming scientific and methodological orientation of training and profound specialized preparation in the respective area.

Main objective of the educational program on the specialty 6D110400 – «Pharmacy» is preparation, the competent scientific and pedagogical personnel having professional and scientific competences and skills of their realization of practical and scientific activities with award of an academic degree the doctor of philosophy (PhD) or the doctor on a profile for ensuring requirements of science, education and production in the field of pharmacy. The program is aimed at providing conditions of vocational training of competent and competitive specialists of the pharmaceutical industry and pharmaceutical education, strengthening of intellectual potential and the practice-focused activity of the higher school, its integration with science and production, reduction in compliance with the international educational standards.

The structure of the educational program is formed of the different types of educational and scientific work determining the content of education and reflects their ratio, measurement and account. The educational program contains: the theoretical training including studying of cycles of the basic and main subjects; professional practice (pedagogical, production, research); the research work including implementation of the doctoral dissertation for scientific and pedagogical doctoral studies; the experimental research including implementation of the doctoral dissertation for profile doctoral studies; intermediate and total certifications and defense of the doctoral dissertation.

The contents of the educational program of PhD-doctoral studies correspond to SEOS of the RK 7.10.145-2010 «Postgraduate education. Doctoral studies. Specialty 6D110400 «Pharmacy». The purposes of the educational program are reflected on specialty SCES, educational and methodical complexes».

Training outcomes are defined on the basis of the Dublin descriptors of the third level (doctoral studies) and are expressed through competences. Training outcomes are formulated both at the level of all program, and at the level of modules and separate disciplines.

The final attestation of doctoral candidates is held to the terms provided by the academic calendar and curricula of specialties in the form of passing complex examination and doctoral dissertation defense. Persons who completed training in the educational program of doctoral studies the academic degree «Doctor of philosophy» on the corresponding specialty is awarded and the diploma of the state sample with the application is issued (transcript). The higher

education institution in addition can issue to the graduate the all-European annex to the diploma (diploma supplement).

Pedagogical practice is carried out for the purpose of formation of practical skills and a technique of teaching. It can be carried out through the period of theoretical training without separation from educational process. At the same time doctoral candidates can be involved in training in a bachelor degree.

Research practice of doctoral candidates is based on the latest theoretical, methodological and technological developments of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data. A final result of research practice is the executed thesis for a degree of the PhD.

Strengths of SKMA JSC in implementation of the standard Educational Program of Doctoral Studies on specialty «Pharmacy» should be considered its uniqueness in terms of a successful combination of regional requirements of practical pharmacy and scientific developments of staff of the releasing departments, its aiming at almost significant result and a possibility of the choice of a trajectory of training.

Standard 5. SCIENTIFIC GUIDANCE

For rendering the scientific and methodical help during the work on the thesis, control of performance of work, development of recommendations about questions of participation of doctoral candidates in educational process to each doctoral candidate within 3 months after his transfer the scientific consultant is appointed. If the thesis is carried out on a joint of various scientific directions, then co-directors are appointed. The scientific management is based on criteria of professional experience, results of research activity, recognition from colleagues and experience of teaching. Scientific management of doctoral candidates on a competition of degree of the doctor of philosophy will be performed by two consultants appointed from among doctors or candidates of sciences, doctors of philosophy, one of whom is the scientist from foreign HEI (the leading scientists from the near or far abroad are attracted on the basis of contracts and memorandums of cooperation between the organizations of education).

No more than 2 doctoral candidates at the same time are assigned to one research supervisor in doctoral studies. In the Provision on doctoral studies requirements to domestic and foreign scientific consultants are written out accurately, their rights and duties are defined. Payment to domestic scientific consultants is carried out according to the standards established in the Academy. Salary of the foreign scientific consultant is carried out on the basis of the contract «About Rendering Paid Services to Foreign Scientific Consultants to the Doctoral Candidate of the Academy».

The choice of scope of dissertation researches is caused by the directions of development of science which are formed by the Highest scientific and technical commission at the Government of the Republic of Kazakhstan (according to Paragraph 3 of Article 18 of the Law «On Science» and/or to state programs) and have to correspond to the priority directions of scientific research in the sphere of pharmacy. The offered subjects of theses within the first three months are considered at meetings of profile departments, Scientific council under the leadership of the vice rector for scientific and clinical work and are approved by the Academic Council of the Academy. A result of these statements is the relevant order of the rector of the Academy.

The strengths of the Academy guaranteeing implementation of this standard is presence of the high scientific potential capable to perform scientific management of doctoral candidates (TS of the releasing departments, foreign scientific consultants, leading experts of the industry) and long-term cooperation with a number of the scientific organizations of the republic, the foreign and neighboring countries.

As the recommendation it is necessary to provide expansion of scientific communications with the leading scientific centers of the country and the world and intensification of the academic mobility of TS.

Standard 6. MANAGEMENT AND ADMINISTRATION

In the Academy the main structural divisions which are directly participating in implementation of the educational program 6D110400 – «Pharmacy» are defined, zones of their influence and responsibility are designated. Scientific and pedagogical process is organized transparently, accurately and documented, assumes only full-time courses. The structural division responsible for realization of EP appointed department of postgraduate education; its functions and interactions are accurately defined. According to Structure of management of the Academy the department of postgraduate education is under the curation of the First vice rector for strategic development and innovations. Questions of improvement of EP are considered, discussed and taken out by Scientific council on the statement of the Academic council which is under the chairmanship of the vice rector for scientific and clinical work. The divisions involved in ensuring improvement of the educational program are presented on the website of <http://ukma.kz/ru/> in the section Structure. All decisions made at the level of administration, Scientific and clinical council, the Academic Council of the Academy (decrees, orders, decisions) are brought to the attention of the interested divisions in the form of mailings on corporate mail, the most important documents are brought to the attention of the interested persons responsible and performers that is fixed in sheets of acquaintance.

The department of postgraduate education also interacts with others external (Ministries and departments of the Republic of Kazakhstan) and internal departments of the university (Academic Council, Scientific and Clinical Council, Methodical Council, Rector's Office, Library Council, Office of Registrar, Academic and Methodological Center, Library and Information Center (LIC), Computer test and publishing center (CTPC), scientific and clinical department, department of «Evidence-based medicine», planning and economic department, accounting, administrative and economic department, quality management system, department of legal security, department and others).

The relevant Provisions defining interactions of various divisions including concerning realization of EP are drafted for effective functioning of all structures. According to SCES No. 1080 and SCES No. 647 training at EP is provided only full-time. The number of contact hours of the doctoral candidate with TS is specified in working curricula, the EP working programs, syllabuses, in the lesson schedule. Attendance and progress of doctoral candidates is fixed in an information system Platonus. The main educational and scientific structural divisions of the Academy which are carrying out educational, methodical and research work on implementation of the educational program of doctoral studies are departments. The system of rating assessment of activity of departments, dean's offices in compliance with performance of the work indicators approved in Academy is introduced. For systematic assessment of competence of teachers the administration of the Academy carries out certification of TS, according to the rules of the MES RK on certification of teachers of higher education institution.

The structural divisions responsible for EP, when forming and for modification of EP carry out the analysis of satisfaction of interested parties, including employers, in quality of training of graduates of the Academy. At the same time the specifics of the organizations - potential employers of doctoral candidates are considered.

In the Academy the system of monitoring of activity of higher education institution developed according to the recommendations of the international standards functions. To assess the effectiveness of the Academy, a system of key indicators (KPI) for senior management, deans, department heads, and structural divisions of the Academy has been developed and is being implemented.

The financial activities of the Academy are regulated by the RLA approved in the Republic of Kazakhstan, while having a certain degree of autonomy in budget allocation.

The system of financing and distribution of means according to programs of postgraduate education of the Academy is regulated by the Board of directors. A positive trend in costs breakdown of the Academy is annual increase in financial investments in acquisition of fixed assets.

Thus, in the Academy there is a sufficient administrative and academic staff for implementation of the educational program, appropriate management, distribution of resources, the organizations of interaction with all interested parties.

Strengths of SKMA JSC are accurate functioning of all structural divisions coordinating educational and methodical and scientific work of departments on implementation of the program; their close interaction with the main structural divisions of the Academy; passing of institutional accreditation.

Conclusion. In general the educational program 6D110400 «Pharmacy» (PhD-doctoral studies) developed by South Kazakhstan Medical Academy JSC conforms to standards of specialized accreditation of educational programs of doctoral studies and guarantees training of the highly qualified competitive specialist – the scientist and the teacher with award of degree of the doctor of philosophy (PhD) of a pharmaceutical profile as it is stated in EP Mission.

The strengths of SKMA JSC guaranteeing implementation of this educational program are existence of the highly skilled TS having experience of preparation of scientific personnel of the top skills; need of students for this program and request from employers for training of specialists according to this program; long-term cooperation with a number of the scientific organizations of the republic, foreign and neighboring countries; existence of enrollment Policy and the mechanisms of its realization coming to doctoral studies, fulfilled and documented; uniqueness of the program of the training of doctoral candidates combining regional requirements of practical pharmacy and scientific developments of scientists of the Academy, its aiming at almost significant result and a possibility of the choice of a trajectory of training.

V. RECOMMENDATIONS FOR SKMA JSC

1. To provide a package of measures for intensification of participation in the international grant projects.

2. To intensify the academic mobility of teaching staff.

As the area for further improvement should be offered:

1. To intensify promotions of this educational program in the educational markets of the Republic of Kazakhstan and abroad.

2. To provide possibilities of expansion of scientific communications with the leading scientific centers of the country and the world.

SPECIALIZED PROFILE PARAMETERS

№	EVALUATION CRITERIA		Comments	Position of the organization of education			
				Strong	Satisfactory	Requires improvements	Unsatisfactory
Standard 1 MISSION AND FINAL RESULTS OF THE TRAINING							
2.1	STATEMENT FOR THE MISSION AND FINAL RESULTS						
2.1.1	The medical education organization must define its mission and bring it to the attention of stakeholders and the health sector.			+			
2.1.2	The medical education organization must ensure that the main stakeholders participate in the development of the mission.			+			
2.1.3	The medical education organization must ensure that the mission statement includes problems of public health, the needs of the health care system and other aspects of social responsibility.			+			
2.1.4	The medical education organization must ensure that the mission of the educational program corresponds to the mission of the organization and allow to prepare a competent researcher at the level of postgraduate medical education.			+			
2.1.5	The mission statement should contain goals and an educational strategy, allowing the preparation of a competent scientist, researcher at the level of postgraduate medical education.			+			
2.1.6	Mission of the educational program: - must correspond to the available resources, opportunities and requirements of the market; - ways of its support must be defined; - the information access about a mission of			+			

	the educational program for the public must be provided (availability of information on the website of higher education institution).					
2.1.7	The mission and goals of the educational program must be discussed on consultative councils / commissions of higher education institution and be approved on advisory and consultative council of higher education institution.			+		
2.1.8	The medical education organization must collect, accumulate and analyze systematically information on the activities for preparation for implementation of the educational program; to carry out the assessment strong and weaknesses (SWOT analysis) on the basis of which the management of the medical education organization together with advisory and consultative council has to define policy and develop strategic and tactical plans.			+		
2.2	INSTITUTIONAL AUTONOMY AND ACADEMIC FREEDOM					
2.2.1	The medical education organization should have institutional autonomy for the development and implementation of policies for which the academic teaching staff and administration are responsible, particularly in relation to:					
2.2.1.1	development of an educational program;					
2.2.1.2	use of the allocated resources necessary for the implementation of the educational program.					
2.2.2	Medical education organization should guarantee academic freedom to its employees and doctoral students PhD:					
2.2.2.1	in relation to the current educational program, which will be allowed to rely on different points of view in the description and analysis of questions on medicine;					
2.2.2.2	in the possibility of using the results of new research, to improve the study of specific disciplines / issues without expanding the educational program.					
2.3	FINAL RESULTS OF TRAINING					
2.3.1	The medical education organization should determine the expected outcomes of the training that PhD candidates should demonstrate after completing the PhD			+		

	doctoral program.					
2.3.2	The medical education organization must guarantee that PhD training with a PhD award will provide the doctoral students with the competencies that will enable them to become a qualified researcher able to conduct an independent scientific research in accordance with the principles of the best research practice.		+			
2.3.3	Completion of the PhD doctoral program should have a potential benefit for those who continue their careers outside the medical organization and apply their competencies formed during the development of the doctoral program, including critical analysis, assessment and resolution of complex problems, the ability to transfer new technologies and the synthesis of new ideas.		+			
2.3.4	The medical education organization / scientific organization should ensure that the process of updating and restructuring leads to a modification of the final results of graduate training in accordance with the responsibilities that are entrusted to graduates after the PhD program of doctoral studies.		+			
3.	Standard 2. RESEARCH ENVIRONMENT AND EDUCATIONAL RESOURCES					
3.1	Research Environment		+			
3.1.1	The success of individual doctoral programs should be ensured by the organization of a strong and effective research environment. The quality of the research environment should be assessed by analysis:		+			
3.1.2	publication of research results (number of publications, impact factor, etc.) on the profile of PhD doctoral studies in a medical education organization / scientific organization.		+			
3.1.3	the level of attracting external funding for research in a medical education organization / scientific organization.		+			
3.1.4	the number of qualified and competent researchers, teachers in the group, at the faculty, educational institution.		+			
3.1.5	national and international cooperation with research		+			

	groups of medical organizations, universities, research centers.					
3.1.6	The existence in the medical education organization the procedure/system for observance of ethical standards of scientific research		+			
3.1.7	In order to provide access to the funds needed to write a dissertation, doctoral studies programs should include training in other laboratories, preferably in another country, thus ensuring internationalization.		+			
3.1.8	The medical education organization / scientific organization should explore the possibility of providing joint PhD doctoral programs with the awarding of degrees from both universities and a joint leadership to support cooperation between higher education institutions.		+			
3.1.9	The medical education organization / scientific organization should ensure that the process of updating educational resources is carried out in accordance with changing needs, such as a set of doctoral candidates, the number and profile of academic staff, the PhD doctoral program.			+		
3.1.10	The medical education organization should provide sufficient autonomy in the allocation of resources, including a decent remuneration of teachers in order to achieve the final results of study;		+			
3.2	MATERIAL AND TECHNICAL BASE					
	The medical education organization / scientific organization must have logistical support that meets the licensing criteria, which include the criteria:					
3.2.1	audiences, laboratories and their equipment should be modern and adequate to the goals and objectives of the PhD doctoral program;		+			
3.2.2	doctoral students must be provided with the conditions for independent study and research work;		+			
3.2.3	updating and improvement of material and technical resources must be carried out regularly.					
3.2.4	The medical education organization / scientific organization should have sufficient resources for the proper implementation of the PhD doctoral program and distribute them in accordance with the needs. The resources of the			+		

	<p>organization should provide:</p> <ul style="list-style-type: none"> - enrollment of doctoral students, - training in the doctoral program - fulfilment of dissertation work - advising doctoral students - examination, review and evaluation of the dissertation - operating costs - costs for participation in training courses, in international scientific conferences - payment for tuition in doctoral studies in institutions, where this is practiced. - resources also include a doctoral scholarship /salary, however, the amount of payment may vary. 					
3.2.5	The resource policy should be aimed at maintaining and ensuring the permanent professional growth of the teachers of the doctoral program.					
3.2.6	The medical education organization must have service and support divisions for future doctoral candidates, including office registrar, research centers and laboratories, the dining room, buffet, the medical center, sports grounds and halls.					
3.2.7	The medical education organization should provide a safe environment for employees, doctoral students, patients and those who care for them, including providing the necessary information and protection from harmful substances, microorganisms, compliance with safety regulations in the laboratory and using equipment		+			
3.2.8	The medical education organization should improve the educational environment for doctoral students by regularly updating, expanding and strengthening the material and technical base, which should correspond to the development in the practice of teaching		+			
3.3	INFORMATION TECHNOLOGY					
3.3.1	The medical education organization / scientific organization should have information support corresponding to the goals and objectives of the PhD doctoral program:		+			
3.3.2	the library should contain the materials necessary for teaching - educational, technical, scientific and reference literature, various periodical medical		+			

	publications, etc .;					
3.3.3	Master's students should have timely and free access to library resources.			+		
3.3.4	The library must have basic technical equipment to support daily activities: faxes, copiers, computers, printers available for public use, and a telephone with voice mail or an answering machine.		+			
3.3.5	The library should have an information website. The website can contain the following elements: links, forms of interlibrary exchange, full-text electronic journal articles, and a form for feedback.			+		
3.3.6	The medical education organization / scientific organization should regularly monitor library resources, study and implement strategies to meet the current and future needs of undergraduates.			+		
3.3.7	Computer classes and terminals with access to information resources (LAN, Internet) should be in the use of doctoral candidates;					
3.3.8	The medical education organization / scientific organization should monitor the availability and adequate use of information resources by doctoral students;					
3.3.9	The medical education organization / scientific organization should constantly update, improve and expand the database of information resources with ensuring access of doctoral students to modern electronic bases, including to foreign databases (Thomson Reuters (Web of Science, Thomson Reuters) Scopus, Pubmed, Elsevier, etc.).					
3.3.10	The medical education organization / scientific organization must open and constantly update on its website a section on PhD doctoral programs that contains the following information: <ul style="list-style-type: none"> - Structure and staff of the doctoral department, the duties of the head and staff of the department; - Enrolment policy, including clear rules on the selection process for doctoral candidates; - List of PhD doctoral programs; - Structure, duration and content of PhD doctoral programs; 					

	<ul style="list-style-type: none"> - Criteria for the appointment of a supervisor with a description of the characteristics, responsibilities and qualifications of the supervisor; - Methods used to evaluate doctoral students; - Criteria for writing and dissertation defence ; - Description of the procedure for the defence of the dissertation work; - Description of the Dissertation Council (position, composition, schedule of meetings); - Quality Assurance and Regular Evaluation Program for PhD Doctoral Studies. 					
4	Standard 3. POLICY AND ENROLLMENT CRITERIA					
4.1	The medical education / scientific institution should establish the relationship between the selection of PhD students and the mission of medical education organizations, educational program and desired qualities of graduates.		+			
4.2	The medical education organization / scientific organization should define and implement a reception policy, including a clearly established position on the selection process of doctoral candidates.		+			
4.3	The medical education organization must have systems/mechanisms of the professional orientation work directed to selection of applicants on the chosen specialty of doctoral studies.					
4.4	The medical education organization must define the structure responsible for the organization of enrolment and selection of doctoral candidates, the developed and approved rules/criteria of reception based on the established standard Regulations of enrolment in doctoral studies for higher educational institutions, dissemination of information for the general public.					
4.5	At selection of future doctoral candidates it is necessary to estimate the research potential of the applicant, but not just to consider his academic progress.					
4.6	In the medical education organization must be a system of searching of employment, demand, maintenance of career and					

	continuous professional improvement of future graduates.					
4.7	The medical education organization should guarantee that process of updating and restructuring leads to adaptation of policy of reception of doctoral candidates taking into account the changing expectations and circumstances, the needs for personnel resources, changes in the system of postgraduate education and requirements of the program.					
5	Standard 4. PROGRAMME OF DOCTORAL STUDY					
5.1	MODEL OF THE EDUCATIONAL PROGRAM, METHODS OF TRAINING AND STRUCTURE					
5.1.1	The medical education organization must guarantee that the educational program is developed on the basis of the integrated, competence-based focused approach, with use of technologies of modular training. And it is assessed by external experts / reviewers positively.					
5.1.2	The medical education organization must define the purpose and tasks of the educational program of doctoral studies which are directed to achievement of a mission the education organization / the educational program and the final results of training.					
5.1.3	The medical education organization must guarantee that the contents of the educational program conform to requirements of SCES and the standard curriculum of the corresponding specialty and is developed taking into account requirements of labor market.					
5.1.4	The medical education organization must provide implementation of the educational program with the corresponding working curricula, the academic calendar, training programs on disciplines, forms of the individual curriculum of future doctoral candidates and the individual plan of work of the doctoral candidate.					
5.1.5	The program of doctoral studies must provide performance of an original research which demands analytical and critical thinking which has to be carried out under the scientific management.					

5.1.6	The medical education organization must guarantee that the educational program will be implemented according to the principles of equality.					
5.1.7	The medical education organization must provide the mechanisms guaranteeing performance by future doctoral candidates of obligations to doctors, teachers, patients and their relatives according to the Code the behavior/code of honor.					
5.1.8	The program of doctoral studies must guarantee training of doctoral candidates in rules of ethics and responsible carrying out scientific research.					
5.1.9	The medical education organization must define the methods of teaching and training corresponding to the educational program and achievement of competences of students.					
5.1.10	The program of doctoral studies must be structured with accurate time limit, to equivalent 3 years with full time and contain: <ul style="list-style-type: none"> <input type="checkbox"/> the theoretical training including studying of cycles of the basic and main subjects; <input type="checkbox"/> practical training of doctoral candidates - different types of the practice, scientific internship; <input type="checkbox"/> the research work including implementation of the doctoral dissertation for scientific and pedagogical doctoral studies; <input type="checkbox"/> the experimental research including implementation of the doctoral dissertation for profile doctoral studies; <input type="checkbox"/> intermediate and total certifications. 					
5.1.11	The medical education organization must provide mechanisms of realization of student teaching (according to a type of doctoral studies) for formation at doctoral candidates of practical skills and a technique of teaching.					
5.1.12	The medical education organization must provide mechanisms of realization of research practice for formation at doctoral candidates of knowledge, skills, competences in the latest theoretical, methodological and technological developments of domestic and foreign science, modern methods of scientific research, processing and interpretation of					

	experimental data.					
5.1.13	The medical education organization must provide mechanisms of realization of a work practice (according to a type of doctoral studies) for formation at doctoral candidates on the basis of theoretical knowledge of practical skills, competences and experience of professional activity of the trained specialty and also development of the best practices.					
5.1.14	The medical education organization must guarantee that at doctoral candidates the possibility of additional training during the vacation period in the presence of the academic debt, desire of development of the additional credits will be provided					
5.1.15	In the medical education organization the appeal mechanism allowing future doctoral candidates to carry out review of the decision, concerning their achievements according to educational programs has to be developed.					
5.2	ASSESSMENT OF THE PROGRAM OF DOCTORAL STUDY					
5.2.1	The medical education organization must have the program of monitoring of processes and results, including routine collection of data on key aspects of the educational program. The purpose of monitoring is ensuring quality of educational process, identification of the areas demanding interventions.					
5.2.2	The medical education organization must have the approved mechanisms for implementation of regular assessment of quality of the program including feedback from scientific consultants, employers and doctoral candidates.					
5.2.3	The medical education organization must have the mechanisms directed to systematic collecting, the analysis of feedback and granting it to teachers and doctoral candidates who will include information on process and products of the educational program, including unfair practice or inadequate behavior of teachers or doctoral candidates.					
5.2.4	The medical education organization should guarantee that process of updating and restructuring of the program will be regularly given and it is directed on: adaptation of model of the educational program and methodical approaches in					

	training for the purpose of a guarantee that they are corresponding and appropriate;					
5.2.5	to correction of elements of the program and their interrelation according to achievements in medical sciences, with changes of a demographic situation and condition of health/structure of incidence of the population and social and economic, cultural conditions.					
5.3	INVOLVEMENT OF INTERESTED PARTIES					
5.3.1	The medical education organization must guarantee that in the program of monitoring and actions for assessment of the educational program teachers, doctoral candidates, administrative and managerial personnel, employers will be involved.					
5.3.2	The medical education organization should guarantee that other interested parties including representatives of the academic and administrative employees, representatives of the public, authorized bodies by training and to health care, the professional organizations, employers will be involved in process of assessment.					
5.3.3	The medical education organization should have procedures for granting of access to results of assessment of the educational program of all interested parties.					
5.3.4	The medical education organization should guarantee that process of updating and restructuring will lead to improvement of process of monitoring and assessment of the program according to changes in the final results of training and methods of teaching and training.					
6	Standard 6. MANAGEMENT AND ADMINISTRATION					
6.1	The medical education organization must guarantee that it will define to each doctoral candidate of scientific consultants (domestic and foreign).					
6.2	The medical education organization must have the mechanisms/procedure regulating process of discussion and approval of candidacy of the scientific consultant and a subject of a research of the doctoral candidate according to standard requirements and SCES.					
6.3	The medical education organization must guarantee that candidacies of scientific consultants will be selected from the					

	experts having an academic degree and who are actively engaged in scientific research in a branch of science as a training of the doctoral candidate.					
6.4	The medical education organization must have accurately formulated duties and responsibility of the scientific consultant.					
6.5	The medical education organization should plan and organize training courses for scientific consultants for policy of implementation of programs of doctoral studies, fundamental obligations of scientific consultants.					
6.6	The medical education organization must have the procedures/mechanisms/structure which are carrying out the organization, control of scientific activities of future doctoral candidates for performance of a dissertation research					
6.7	The medical education organization must define, approve and publish the principles, methods and practice which will be used for assessment of doctoral candidates, including criteria for evaluation of scientific work.					
7	Standard 6. MANAGEMENT AND ADMINISTRATION					
7.1	MANAGEMENT OF THE PROGRAM					
7.1.1	Management of HEI/the scientific organization must be effective and provide improvement of the educational program.					
7.1.2	The medical education organization must guarantee that training in doctoral studies is carried out only on full-time.					
7.1.3	The medical education organization / the scientific organization must define structural division responsible for educational programs and achievement of the final results of training.					
7.1.4	The structural division responsible for educational programs must have powers for planning and implementation of the educational program, including distribution of the allocated resources for planning and implementation of methods of teaching and training, assessment of doctoral candidates, assessment of the educational program and courses.					
7.1.5	The medical education organization must guarantee interaction of future doctoral candidates with the guide to questions of					

	design, management and assessment of programs of doctoral studies.					
7.1.6	The medical education organization should encourage and promote involvement of future doctoral candidates in process of development of educational programs for training of doctoral candidates for what it is necessary to provide the corresponding procedures.					
7.1.7	The structural division responsible for educational programs should provide transparency of a control system and the made decisions which are published in bulletins, are posted on the website of HEI, join in protocols for acquaintance and execution.					
7.1.8	The medical education organization through the structural division responsible for educational programs, should plan and introduce innovations in the educational program.					
7.1.9	The medical education organization should include representatives from other relevant interested parties, in the structure of structural division of the medical organization of the education responsible for educational programs, including other participants of educational process, representatives from the clinical bases, graduates of the medical organizations of education, experts of health care involved in process of training or other teachers of faculties of the university.					
7.1.10	The medical education organization should guarantee that the structural division responsible for the educational program:					
7.1.11	considers features of conditions in which graduates should work and according to it to modify the educational program.					
7.1.12	considers modification of the educational program on the basis of feedback with the public and society in general.					

7.1.13	The medical education organization should guarantee that process of updating and restructuring leads to improvement of organizational structure and the principles of management of the program of doctoral studies for ensuring effective activity and (in the long term) for satisfaction of interests of various groups of interested parties in the conditions of the changing circumstances and requirements.					
7.2	ACADEMIC LEADERSHIP					
7.2.1	The medical education organization must define clearly responsibility of the academic management concerning development and management of the educational program					
7.2.2	The medical education organization should carry out periodically the assessment of the academic management of achievement of the mission and the final results of training.					
7.3	THE BUDGET ON TRAINING AND ALLOCATION OF RESOURCES					
7.3.1	The medical education organization must:					
7.3.2	have accurate duties and powers on providing the educational program with resources, including the target budget on training.					
7.3.3	plan and allocate the resources necessary for implementation of the educational program and distribute educational resources in compliance with their requirements.					
7.3.4	The system of financing of the medical education organization must be based on the principles of efficiency, effectiveness, priority, transparency, responsibility, differentiation and independence at all levels of budgets.					
7.3.5	Financial and administrative policy must be aimed at improvement of quality of the educational program.					
7.3.6	The medical education organization must:					
7.3.7	provide sufficient autonomy in distribution of resources, including decent remuneration of teachers as achievement of the end results of training;					
7.3.8	take into account, scientific achievements in the field of medicine and a problem of health of society and their requirement at distribution of resources.					
7.4	ADMINISTRATIVE STAFF AND MANAGEMENT					

7.4.1	The medical education organization must have the respective administrative and academic staff, including their quantity and structure according to qualification in order to:					
7.4.2	provide implementation of the educational program and the corresponding types of activity;					
7.4.3	guarantee appropriate management and distribution of resources.					
7.4.4	The medical education organization / the scientific organization should develop and implement the internal program of ensuring quality of management including consideration of requirements for improvement and to carry out the regular review and the analysis of management.					
7.4.5	The medical education organization / the scientific organization must provide implementation of the PhD program of doctoral studies according to the quality management system certified by the independent organizations.					
7.5	INTERACTION WITH THE HEALTH SECTOR					
7.5.1	The medical education organization must have constructive interaction with the health sector, with adjacent sectors of health care of society and government, including exchange of information, cooperation and initiatives of the organization which promotes providing with qualified specialists according to requirements of society.					
7.5.2	The medical education organization must provide operational communication between the educational program and the subsequent stages of vocational training.					
7.5.3	The medical education organization should give the official status to cooperation with partners in the health sector which includes the development of official agreements with determination of content and forms.					
	Total:					
	TOTAL:					