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"__" _____ 2016

REPORT

on the results of an independent evaluation of the main professional
educational programs of higher education:

31.05.01 GENERAL MEDICINE

REALIZED IN FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER EDUCATION

"National Research Ogarev Mordovia State University"

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REPORT ON THE RESULTS OF AN INDEPENDENT EVALUATION OF THE MAIN EDUCATIONAL PROGRAM

1. INFORMATION ABOUT THE EDUCATIONAL ORGANIZATION

Since 1967, preparation of physicians on major "Medicine" is implemented in Mordovia State University. Since 2011, FSBEI HO "Ogarev Mordovia State University" started an enrollment at the specialty 31.05.01 "General Medicine" in accordance with the Federal state educational standard of the third generation.

The preparation of specialists is conducted at the Medical Institute, which is located at the address: 430032, the Republic of Mordovia, Saransk, Ulyanova St., 26a. Producing departments are: the Department of Hospital Therapy, Hospital Surgery, Obstetrics and Gynecology, Outpatient treatment.

Training in main education program (the MEP), "Medicine" is implemented by full-time, part-time forms of education. The development period for main educational program for full-time education is 6 years, for part-time education is 7 years.

Brief description of the main educational program

The main educational program "Medicine" is implemented within the direction of training 05.31.01 and leads to the rank of doctor. The program is run by the director of the Institute of Medicine FSBEI HO "Ogarev Mordovia State University" professor Balykova L.A.

Independent external evaluation of educational programs has been conducted by experts of The "AKKORK" agency in the period February 15-19, 2016.

Current status and trends of development of the regional market of educational services in this direction of training

Preparation of specialists of this direction in the region is conducted only by Medical Institute FSBEI HO "Ogarev Mordovia State University".

Graduates of Mordovia State University occupy 98% of medical rates of health care centers in the Republic of Mordovia. The total demand for the next three years for specialists will be about 85 people per year with at most scarce specialties such as: endovascular surgeon, the maxillofacial surgeon, cardio-vascular surgeon, radiologist, physician anesthesiologist-resuscitator, ambulance doctor, clinical laboratory diagnostics specialist, general medical practice specialist, physician neonatologist, pediatrician, therapist (Ministry of health of the Republic of Mordovia data on 10.2015).

Representatives of the Ministry of Health (Minister of Health of the Republic of Mordovia Mikhail Morozov) are directly involved in development and implementation of the main educational program on the given specialty.

Analysis of informational indicators provided by the university

- *The Percentage of students combining an education with work on major* 13.3% of the total number of students.

- *The Percentage of graduates contingent employed within one year after the end of the main education in the direction of training (specialty) obtained as a result of training on the main educational program:*

220 persons have graduated Mordovia State University on major "General Medicine" in 2015. 155 persons have enrolled an internship (73%). Distribution of specialties training in internship in 2015: Obstetrics and Gynecology - 17; Anesthesiology and Intensive Care - 17; Dermatology - 11; Infectious Diseases - 6; Clinical Laboratory Diagnostics - 2; Neurology - 14; Oncology - 1; Otolaryngology - 2; Ophthalmology - 4; Psychiatry - 3; Radiology - 4; Ambulance - 4; Therapy - 49; Traumatology and Orthopedics - 6; Surgery - 12; Endocrinology - 2; Phthisiology - 1.

Accordingly, employment of graduates internship in 2015 by specialties was:

Obstetrics and Gynecology - 15 (10 - in the Republic of Mordovia, 5 - outside the Republic of Mordovia);

Anesthesiology and Intensive Care - 17 (11 - in the Republic of Mordovia, 6 - outside the Republic of Mordovia);

Dermatology - 11 (2 - in the Republic of Mordovia, 9 - outside the Republic of Mordovia);

Infectious Diseases - 6 (6 - in the Republic of Mordovia);

Clinical Laboratory Services - 2 (2 - in the Republic of Mordovia);

Neurology - 14 (4 - in the Republic of Mordovia, 10 - outside the Republic of Mordovia);

Oncology - 1 (1 - in the Republic of Mordovia);

Otolaryngology - 2 (2 - in the Republic of Mordovia);

Ophthalmology - 4 (2 - in the Republic of Mordovia, 2 - outside the Republic of Mordovia);

Psychiatry - 4 (3 - in the Republic of Mordovia, 1 - out of the Republic of Mordovia);

Radiology 4 - (4 - in the Republic of Mordovia);

Ambulance - 4 (4 - in the Republic of Mordovia);

Therapy - 41 (32 - in the Republic of Mordovia, 9 - outside the Republic of Mordovia);

Traumatology and Orthopedics - 6 (5 - in the Republic of Mordovia, 1 - out of the Republic of Mordovia);

Surgery - 10 (10 - in the Republic of Mordovia); Endocrinology - 2 (2 - in the Republic of Mordovia);

Phthisiology- 1 (1 - in the Republic of Mordovia).

According to the analysis the causes of unemployment of graduates are: maternity and childcare leave (6.4%); work in pharmaceutical companies (4.18%); military service (1.17%); employment in the system of law enforcement agencies (Ministry of Internal Affairs, FSB, Office of the Federal Penitentiary Service, etc.) (0.88%); change of profession (0.8%); employment abroad (0.57%).

2. SUMMARY OF THE PROGRAM

2.1. Key expert conclusions on analyzed program

Strengths of the analyzed program

1. A high level of compliance with the requirements for modern professionals industry (according to self-assessment: complete conformity - 37.7%, general conformity - 57.1%). The data presented in the self-assessment report is confirmed by data obtained during employers interviewing. The percentage of employers considering that objectives of the program are fully correspond to demands of the labor market is 85%.

2. Developed internship and residency programs, including a list of them, which was composed according to the wishes of employers with regard to regional labor market needs.

3. 100% of working programs are coordinated with employers.

4. Federal educational standards contain materials developed on actual clinical situations, and allow to evaluate the formation of professional competencies.

5. Almost full employment graduates, 98% of satisfying the needs of the republic, including the most scarce specialty.

2.2 The main Recommendations: of the expert for the analyzed program

1. to intensify the international part of the program. The low level of knowledge of data on current international Recommendations: in the treatment of urgent conditions, infectious diseases and severe surgical pathologies is noted. In order to intensify the international part of the program it is recommended the following:

- to implement into the program the compulsory English language courses;

- to use on-line technologies that are available for public in the educational process, allowing to learn a foreign language to the extent necessary for the realization of their professional activities, namely for an internship abroad, reading professional literature, participation in international conferences;

- to design and develop student exchange programs with leading foreign medical universities.

2. to raise the level of knowledge in the field of legal support labor activity. For this purpose, to focus the appropriate course on the features of the common law of interaction with the patient and health care in the framework of legislation of the Russian Federation.

3. to raise the level of knowledge in the field of current international Recommendations: in the treatment of urgent conditions, infectious diseases and severe surgical pathologies.

4. to adapt the future English course for possible certification exam of medical English, such as the AMC exam (Australian Medical Council), USMLE (The United States Medical Licensing Examination) etc. (according to the direction of international cooperation of the Institute and the student's goals).

5. to find the possibility of attracting contractors for Medical English distance learning with native speakers. It is possible to pay, for such courses of distance training, for the certification exam of medical English to encourage the best students.

6. to adjust, at the management departments level, knowledge requirements in philosophy or to adapt the philosophy course under the particular ethical aspects of health care worker.

7. to implement ethical and deontological aspects of medical activity into every discipline for patient and colleagues compliance of graduates. For improving the program, it is advisable to attract teaching aids and programs on ethics and deontology developed in leading medical universities of Russia (for example, 1st Sechenov Moscow State Medical University, Pirogov Russian State Medical University).

8. to implement international standards and Recommendations: for every discipline to form competent professionals capable of professional activity and co-operation at the international level. It is advisable for these purposes to wider the use of international electronic and paper media (magazines, electronic databases, congress materials, conferences etc.).

9. to provide full all the time access for senior students to foreign sources of medical literature, including external, to provide free access to MEDline databases, etc.

10. within the framework of the basic educational program to provide better access to the equipped simulation classes in mode that allows students to further improving the relevant skills if necessary.

11. to monitor the quality of teaching staff work based on the feedback results of students about the teaching process. It is necessary not only to show the results of the students' survey to the particular teacher in the form of a report, but also to evaluate his/her work and in the future pay more attention to the comments and points of growth mentioned in the report, which had been marked earlier by his/her Heads as significant.

12. to ensure the correlation of material motivation of teaching staff with corrections of the important complaints which were previously identified on the result of the analysis of feedback from students.

13. to form a students' conscious choice, based not only on the interest, but also in the awareness of the features of the upcoming professional way, that probably will positively affect the level of motivation and stress resistance of graduate during the first years of practical work. To this end, under the project called "Path of success" it is recommended to invite the medical sphere practitioners not only from the region, but also foreign experts to illustrate the real difficulties associated with the practical work in the chosen specialties. Currently, the majority of students choose the specialization "by touch" and "after one's heart."

2.3. Assessment Profile for learning outcomes and quality of education guarantees

No	Criterion	Mark
<i>I</i>	Quality of education outcomes	
	1. Demand for graduates of the program on labor market	2
	2. Satisfaction of all customers	2
	3. The results of direct assessment	2
<i>II</i>	<i>Quality Assurance:</i>	
	1. Strategy, goals and program management	2
	2. The structure and content of the program	2

3.	Teaching materials	2
4.	Technologies and techniques of educational activities	2
5.	Teaching staff	2
6.	Physical facilities and financial resources	2
7.	Informational resources	2
8.	Research activities	1
9.	The participation of employers in the implementation of educational programs	2
10	Participation of students in determining the content of the program	1
11	Students' services	1
12	Career guidance and preparation of applicants	1

3. QUALITY OF LEARNING OUTCOMES

3.1. Direct assessment of competence by the expert

The direct assessment of competencies of graduates was conducted during the on-site visit. 6th-year students, in the amount of 26 people, representing 10.1% of the graduating class, participated in the direct assessment.

Measurement and control materials (Federal educational standards) developed by the educational institution were used during the direct assessment procedure, as these materials were considered to be valid by the expert. The measurement and control materials prepared by an expert (Federal educational standards) developed by the People's Friendship University Medical Institute were used, too.

The expert chosen following competencies for the analysis of the competencies formation: general cultural competencies (GCC)-1, professional competencies (PC)-1, PC-3, PC-5, PC-7, PC-10, PC-12, PC-15, PC-16, PC-22.

When implementing the direct competence assessment procedure, the expert used the following measurement and control materials: questions and cases from Federal educational standards and the State final examination of FSBEI HO "Ogarev Mordovia State University" and of the People's Friendship University Medical School, case studies developed directly by the experts.

The following list of tasks and questions was used:

1. What diseases cause the development of secondary pulmonary emphysema?
 - 1) acute pneumonia
 - 2) hay fever
 - 3) PATE
 - 4) pleurisy
 - 5) COPD

2. What is not typical symptom of COPD?
 - 1) box sound
 - 2) inspiratory dyspnea
 - 3) extended exhalation
 - 4) dry wheezing on exhalation
 - 5) frequent nonproductive cough

3. Increased blood bilirubin in hepatitis caused by:
 - 1) violation of the absorptive function of the liver
 - 2) violation of the excretory function of liver cells
 - 3) delayed excretory function of liver cells in inflammatory swelling of the liver tissue
 - 4) death of liver cells
 - 5) all is right

4. The patient skin itching, fever, pain in the right hypochondrium, jaundice. The anamnesis has the consumption of a river fish. Liver + 2cm, painful. Bilirubin- 32.9, -9.6 cholesterol. Alkaline phosphatase - 2 norms, GGT - 3 standards, ESR -30, eosinophils - 9%. Diagnosis -?
 - 1) biliary cirrhosis
 - 2) chronic cholangitis
 - 3) cholestatic hepatitis
 - 4) hemochromatosis

- 5) dermatomyositis
- 5. The absolute indication for the study of cerebrospinal fluid (2):
 - 1) purulent meningitis
 - 2) serous meningitis
 - 3) Multiple Sclerosis
 - 4) cerebral infarction
 - 5) brain contusion

- 6. Meningeal symptoms (3):
 - 1) The rigidity of the neck muscles
 - 2) Kernig's symptom
 - 3) Lasegue's symptom
 - 4) Mackiewicz's symptom
 - 5) Brudzinski's symptom

7. Case

Female patient, 30 years old. Complaints about frequent and painful urination, pain in the right lumbar area, turbid urine, fever up to 37,30 Celsius.

Anamnesis: the first time such manifestations were observed 10 years ago during pregnancy. Antibacterial therapy was conducted in hospital, childbirth was without complications. No exacerbation of the disease was observed in the subsequent. Deteriorating: 5 days ago after hypothermia.

Unbiased: the state of moderate severity. The skin has usual color, no peripheral edema. Peripheral lymph nodes are not enlarged. Thorax has usual form. The respiration rate: 18 per minute. Vesicular breathing in the lungs, wheezing are not auscultated. The boundaries of the relative cardiac dullness are in the normal range. Heart sounds are muffled, the rhythm is correct. HR-84 min. BP-140/90 mm Hg. Abdomen is soft and painless. The liver is at the edge of the costal arch. Symptom effleurage are positive on the right.

Blood analysis: Hb 110 g/l, erythrocytes $4,0 \times 10^{12}/l$, leukocytes $11,0 \times 10^9/l$, 1% eosinophil, banded neutrophil - 10%, segmented neutrophil - 65%,lymphs. - 20%, mon. - 4%, platelets - $200,0 \times 10^9/ L$, ESR 17 mm / hr.

Biochemical blood parameters: creatinine -0.08 mmol / L, urea -6.5 mmol / l.

Urinalysis: specific weight -1010, protein -0,07mg / l, the reaction is acidic, leykotsity- 15-20 in sight, erythrocytes -0-1 in sight.

US of kidneys: kidneys of the usual form and size. Pyelocaliceal kidney system is deformed and compacted. No concretions.

Questions:

1. Your preliminary diagnosis.
2. Plan for a patient examination.
3. Assign treatment.

The expert found the average level of students' knowledge on the results of the direct competence assessment

Level Students ratio	Sufficient level (have managed with 80% of the proposed tasks)	Acceptable level (the percentage of solved tasks from 50 to 79%)	Low level (percentage of solved tasks is less than or equal to 49%)
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10%	20%	30%	50%
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GRADUATE QUALIFICATION WORKS

No	Objects of assessment	Comments of experts
1.	Subject of graduate qualification work corresponds to the direction of training and modern level of science, technology and (or) software technology.	2 Subject of graduate qualification work, in addition to compliance, is polythematical and considers all of the most urgent problems of medicine
2.	Tasks and contents of graduate qualification work are aimed at confirmation of graduate competences.	2 Subject of graduate qualification work confirms the following competencies: GCC 1, PC 1, PC 3, PC 5, PC 7, PC 10, PC 11, PC 12, PC 15, PC 16, PC 17, PC 18, PC 19, PC 20, PC 21, PC 22, PC 30, PC 31, PC 32
3.	Utilization rate of materials collected or obtained during the passage of pre-degree practice and implementation of course papers in the graduate qualification work.	1 10-20%
4.	Subject of graduate qualification work is defined by demands of industrial organizations and tasks of experimental activities solved by faculty of the institution.	1
5.	The results of graduate qualification work find practical application in the workplace.	1
6.	Utilization rate of the results of research activities of the department, faculty, and third-party research and production and / or research organizations when performing independent research parts in the graduate qualification work.	10-20%

3.2. Conclusions of the Expert

Conclusions:

1. The level of residual knowledge of students is satisfactory; it corresponds to the level of residual knowledge of students of the other country's leading universities (Peoples' Friendship University of Russia).
2. Graduate students have formed the necessary competence.
3. The level of knowledge and skills allow the graduate to begin residency training or internship in the chosen specialty.

Additional information:

As a result of questioning of students, the data of educational institution, which were verified by the expert during the on-site visit, were represented. Data presented by educational institution have been confirmed by the expert as a result of on-site visit.

Recommendations:

1. Insufficient attention is paid to student exchange programs with leading foreign medical universities. To activate student exchange programs.
2. No mandatory studying of foreign language for the extent necessary for the realization of their professional activities. To develop teaching programs for professional communication in a foreign language, probably with the assistance of Philological Faculty staff.
3. Lack of knowledge in the field of work legal support. To develop a training program on legal support physician work involving Law Faculty staff.
4. To add a teaching program and to ensure regular updating of data on current international Recommendations: in the treatment of urgent conditions, infectious diseases and severe surgical pathologies.
5. Low level of awareness of the graduates of modern international guidelines in the treatment of urgent conditions, infectious diseases and severe surgical pathologies. It is recommended to raise the level of students' knowledge in the mentioned fields.

4.QUALITY ASSURANCE OF EDUCATION

4.1. Strategy, goals and program management

Evaluation of criteria:

Excellent

The most important strategic priority of the program is the every possible improvement of the quality of training of highly qualified competitive specialists on the basis of labor market needs.<http://www.mrsu.ru/ru/docs/index.php?ID=12456>.

The main purpose of the program is a shift to a higher level of education, teaching methods and scientific and practical activities in order to provide competitiveness of the institute at the Russian and world market of educational, medical and other types of services, to increase demand for graduates of the Institute of Health institutions and to strengthen the role the Institute in the formation of a citizen of a new generation.

The main directions of the program development are:

– Optimization of the process of training in accordance with the requirements of the Federal state educational standards of higher professional education and the basic concept of the development of medical education, with a focus on improving the forms and training methods (including in simulation center), on the development of modern educational information and communication technologies and on increasing students' motivation to gain knowledge;

– Creation of the university clinic as Level III health institutions implementing (in the future) high-tech medical care and providing a platform for in-depth development of the students' practical skills, development and implementation of the results of the research activities of employees of the Institute, conducting clinical trials and the provision of paid health services to population of Republic of Mordovia and neighboring regions;

– Expansion of the market and the range of educational services, introduction of new areas of educational activities, development of educational services export for which it is planned to develop and implement a system of teaching medicine in English;

– Creation of a number of innovative areas (laboratories, research centers) for the development of the creative potential of Institute's leading scientists and the implementation of the most promising (including profitable) scientific fields, such as: "Development of new methods of targeted and supporting antioxidant therapy of infectious and somatic diseases", "Fundamental processes of the human body in norm and pathology", "Cardiovascular diseases in the Republic of Mordovia";

– Promotion of the strongly continuing education beginning from the school concept and secondary special educational institutions (medical schools) and to train highly qualified personnel by request of health care institutions of the Republic of Mordovia;

– Restructure the process of preparation of the teaching staff for the institute, combining training in their own postgraduate and doctoral studies with internships in leading universities of Russia and abroad, ensuring the creation and maintenance of creative actions between the institute and universities of Russia and abroad; raising the prestige of the institute as a base of modern education of the citizens, expanding the range and forms of educational and intellectual and developmental work with students

Program management system:

According to the Charter of the University (<http://www.mrsu.ru/ru/docs/index.php?ID=12456>) general management of the University is performed by elective representative body - the Academic Council, the council consists of the president, the rector, vice-rectors, deans, representatives of departments. The division of

responsibilities between the pro-rectors and other executives is established by order of the Rector. Institute of Medicine, part of the University, and its main governing body - Academic Council is headed by a Director appointed by order of the Rector. The Academic Council includes deputy and assistant of Director, heads of departments and courses, representatives of the teaching and support staff, students and employers. According to the Regulations of the Faculty (Institute) (http://www.mrsu.ru/ru/i_depart/docs.php?ELEMENT_ID=5615) Institute is responsible for the implementation of educational programs and compliance and the level of training of graduates with educational standards. The Institute comprises 19 departments involved in the implementation of the educational program. The department is headed by Head, who is elected by the Academic Council and who is personally responsible for the level of training of students and the results of research, clinical and teaching work of the Department staff.

Educational, methodical, scientific and clinical work of departments of various institutes and faculties and teaching staff is implemented in order to achieve the stated goals of the program. In accordance with the Regulations on the department, the main directions of educational- and methodical work of chairs are: development and implementation of the work programs of disciplines of specialty, production of new and modernization of existing training courses, preparation teaching aids for publication, development of test materials, teaching materials the disciplines of the specialty. All kinds of teaching staff's work is implemented in accordance with the individual plans approved by vice-rector.

More than 20% of the total number of teachers implementing the main educational program are external, secondary job employees from among leading specialists of practical public health. 1 of 19 departments is headed by the chief doctor of the Republican Psychiatric Hospital. The Academic Council of Medical Institute (4 of 35 pers.) reviewing and approving all major issues of implementation of main educational program, includes employers. The representatives of practical health care are involved in implementing the Final state examination and are reviewers of main educational program and teaching aids.

The Institute of Medicine created 7 basic departments: Department of nervous diseases and psychiatry on the basis of the autonomous public health care institution "The Republic of Mordovian Clinical Psychiatric Hospital"; Department of Oncology-based on Budgetary Public Health Facility of The Republic of Mordovia (BPHF MR) "National Oncology Center"; Department of Infectious Diseases based on BPHF MR "Republican Infectious Clinical Hospital"; Department of Pediatrics based on BPHF MR "Children's Republican Clinical Hospital"; Hospital Therapy based on BPHF MR "Republican clinical hospital № 4"; Department of Anesthesiology and Intensive Care based on BPHF MR "Republican Clinical Hospital № 3"; Department of faculty therapy based on BPHF MR "The Republic of Mordovia Clinical Hospital" see Annex No (order of FSBEI HO "Ogarev Mordovia State University" of 26.09.2014 № 01/387" (see Annex 1). 3 departments are still in the process of the organization: ambulatory polyclinic therapy based on BPHF MR "Republican clinical hospital №4", Department of Obstetrics and Gynecology based on BPHF MR "Republican Perinatal Center", Hospital Surgery based on BPHF MR "Republican clinical Hospital №4» and the Department of Propaedeutics internal diseases based on BPHF MR "Emergency Hospital".

All basic departments are at the base of medical institutions, which are the main consumers of graduates.

Department of Quality Management FSBEI HO "Ogarev Mordovia State University" conducts annual internal monitoring allowing to update the content of the program in accordance with changing labor market conditions. During this monitoring, the implementation of standards, rules and regulations, approved by the Academic Council of the University and complete the development of competencies are controlled, too. The process of formation of competence of students is controlled during the current and the final certification. The implementation of the latter is compulsory implemented with participation of employers.

According to the data of the Quality Management Department (http://www.mrsu.ru/ru/i_depart/docs.php?IBLOCK_ID=2016) the subject to monitoring is all aspects of the activities of the main structural units (departments) of the Medical Institute (personnel, the quality of training of students, the percentage of residual knowledge, the level of educational and methodical and scientific work, updating dynamic main educational program, the view of employers, etc.).

Quality Management Division in FSBEI HO "Ogarev Mordovia State University" continuously monitors the quality of education (http://www.mrsu.ru/ru/i_depart/detail.php?ID=5422).

According to the Regulation on Internal Audit (http://mrsu.ru/ru/i_depart/docs.php?ELEMENT_ID=5447), the results of the internal monitoring of the quality of education are generalized, communicated to all stakeholders and taken into account when updating basic educational program.

Strengths of the program:

1. The Institute fully meets the needs of qualified personnel for the region. Strategy development program extends beyond professional capacity of the region.
2. Attracting foreign students is being successfully implemented.
3. Huge work is implemented on building and maintaining a close cooperation with employers for the purpose of saturation of the internal labor market with specialists, providing students with the most diverse and equipped practice places.
4. There is focusing on improving the quality of education to meet international educational standards.
5. There is a commitment to the introduction of innovative educational methods.

Recommendations:

The criterion is implemented very well. There is no need in Recommendations:.

4.2. The structure and content of the program

Evaluation of criterion:

Excellent

Strengths of the program:

1. Full compliance with the required competencies.
2. An adequate ratio of theoretical and practical parts, classroom and extracurricular work, ensuring the continuity of the knowledge gained in the theoretical, basic and clinical departments.
3. The degree of employers' satisfaction with the quality of training of graduates is regularly determined.

Disciplines of basic and variable component of the main educational program of the major "General Medicine" allow to form a general cultural and professional competences necessary for quality training relevant to requirements of the modern labor market, but the approved professional standards are not currently available.

4. Medical Institute actively collaborates with the Ministry of Health and various health care facilities of the Republic of Mordovia. The degree of employers satisfaction with the quality of training of graduates is regularly determined using the following methods: survey; interviewing; preparation of comments on the results of production practices etc. To assess the satisfaction of employers with the quality of training, the heads and leading specialists of medical institutions of the region are included in the State Examination Commission. (See Appendix 2 to the Self-assessment report).

5. Great importance is given to the analysis of the Recommendations: received from employers in terms of improving the quality of training. All proposals are reflected in the conclusions of the State Examination Commission, are analyzed at the meetings of administering department and at the meetings of Academic Council of the Medical Institute; then changes in work programs of disciplines and curricula are made, if necessary.

Recommendations:

During on-site visit, the expert conducted series of interviews of students, faculty, staff and received the data that allow the expert draw a conclusion on necessity of increase of the proportion of practices in the main educational program and on recommendation for modification of the main educational program as follows:

1. to revise the program for its implementation in English with the assistance of the staff of the Faculty of Philology FSBEI HO "Ogarev Mordovia State University":

a) to attract wider range of foreign citizens for studying,

b) to design and develop student exchange programs with leading foreign medical universities,

c) to ensure a comfortable participation of students in international student research projects.

2. to strengthen the training of students in the English language to the extent necessary to carry out their professional activity/internship abroad, to read professional literature, participate in international conferences, etc.

3. to pay attention to improving the level of students' knowledge in the field of legal support of doctor's work. For this purpose, to focus the appropriate course on the features of the common law of interaction with the patient and health care in the framework of legislation of the Russian Federation.

4. to raise the level of knowledge in the field of current international Recommendations: in the treatment of urgent conditions, infectious diseases and severe surgical pathologies.

5. It is recommended to adapt the very English course for possible certification exam of medical English, such as the AMC exam (Australian Medical Council), USMLE (The United States Medical Licensing Examination) etc. (according to the direction of international cooperation of the Institute and the student's goals).

6. to adjust, at the management departments level, knowledge requirements in Philosophy, to adapt the Philosophy study program under the particular ethical aspects of health care worker.

4.3. Teaching aids

Evaluation of criterion:

Excellent

Strengths of the program:

1. There is a high level of compliance with the requirements of modern industry professionals (according to self-assessment, complete compliance is 37.7%, mainly compliance is 57.1%). The data presented in the report on self-examination is confirmed by the data obtained by employers interviewing. The proportion of employers supposing that the objectives of the program are fully correspond to the needs of the labor market is 85%.

2. Internship and residency training programs are developed at a high level. Also their list is impressive, it was compiled in accordance with the wishes of employers, taking into account regional labor market needs.

3. 100% of working programs of disciplines are agreed with the employers.

4. Federal educational standards include materials based on real clinical situations, and allow to evaluate the formation of professional competencies.

5. During on-site visit, the expert has examined the internal teaching aids of the educational institution.

These data allow the expert to conclude that the teaching materials corresponds to main educational program and the Federal state educational standards.

6. During on-site visit, the expert analyzed the test materials, which are used by the educational institution for the ongoing monitoring of progress. It allowed the expert to conclude that the Federal educational standards corresponds to main educational program and the Federal state educational standards.

Recommendations:

To enter internal teaching materials in the list of mandatory and additional literature of the main educational program.

4.4. Technologies and techniques of educational activities

Evaluation of criterion:

Excellent

1. The program is connected strongly and correctly to the practice.

During on-site visit, the expert visited the study, which analysis is presented below.

Name of lecturer _____

Group / Specialty _____ medical business _____

1. Discipline / module _____ endocrinology _____

2. Type of training

lecture

seminar

laboratory work

practice

integrated lesson

□ other _____

3. **Lesson Focus:** diabetes, risk factors, etiology, pathogenesis, clinical picture, complications. Methods of diagnosis, treatment.

4. **The purpose of class:** to teach students to determine whether the patient has diabetes type 1 and 2 on the basis of knowledge of anatomy and physiology of the endocrine system using clinical and paraclinical methods of research, to familiarize with the basic aspects of the etiology and pathogenesis of the disease and its complications.

5. **The aims of the class:** using clinical and paraclinical methods of investigation to teach students to determine the sugar metabolism disorders, to develop a patient examination plan, interpret the data from clinical and paraclinical methods of research, to develop a plan for treating a patient to identify complications of the disease.

6. **Facilities:** Multimedia projector, slide - presentation, negatoscopeset of radiographs, a battery of laboratory tests, study table, teaching aids

7. **Specify:**

No	The knowledge and skills which are planned to generate in class and competences, which affect the formation of the knowledge, and skills (must be announced by lecturer)	The forms, tools, methods and techniques used for the formation of competence in class
1.	Anatomy and physiology of the human endocrine system	Slides how presentation Training table
2.	The etiology and pathogenesis of diabetes type 1 and 2, the diagnosis, differential diagnosis	Slides how presentation Training table Collection of tasks
3.	Laboratory and instrumental research methods	Slides how presentation Training table Collection of tests Collection of tasks
4.	Complications of diabetes	Slides how presentation Training table Collection of tests Collection of tasks
5.	Therapies	Slides how presentation Training table Collection of tests Collection of tasks

ASSESSMENT OF A LECTURER

No	Criteria of analysis	Indicators	Mark (0,1,2)
1.	Compliance with lesson's regulations	Timely start and end of lesson, balanced time of sections.	2
2.	Organization	Greeting. Informing about topics and target (connection between target and evolving	1

		competences).	
3.	Motivating students for the upcoming activities	Indication of urgency, of formed professional and / or social and personal competencies.	1
4.	The psychological climate in the classroom	Presence of a positive emotional interaction between lecturer and students; mutual goodwill and audience participation.	2
5.	The quality of presentation	Structured material; clarity of designations of current tasks; consistency and availability of presentation; adaptation presentation to the specific of the audience; examples of relevant facts.	2
6.	Compliance with the content of the course program	Compare with study programs of the disciplines (teaching materials).	2
7.	The use of visual aids	Textbook, workshop handouts, tables, figures, etc.	1
8.	Oratory	Audibility, intelligibility, euphony, literacy, rate of speech; facial expressions, gestures, pantomime; emotional intensity performances.	2
9.	Sensitivity to the audience	The ability to react to changes in the perception of the audience.	2
10.	Correctness to students		2
11.	Methods of regulation of attention and behavior	Increasing the interest among the audience (the original examples, humor, rhetorical devices etc.); Involving the audience in a dialogue, in the process of performing tasks, etc. But do not: open call to the attention of the audience; demonstration of disapproval; psychological pressure, blackmail.	2
12.	Feedback during the lecture	Control of material learning	1
13.	Summing up (organization of reflection)	Organization of reflection in which students are actively discussing the results	1
14.	Image	Compliance with corporate identity, presentable, charisma	2
	Total		2

As a result of analysis of desk review of self-assessment, curriculum and class schedules analysis, the expert determined that the Percentage of classes conducting in an interactive way for the whole program is 60%. During on-site visit, teaching materials of five subjects were studied. Data on these classes conducting in an interactive way in the context of the teaching materials studied earlier are presented below.

Recommendations:

1. to implement to every discipline the information on the international standards and recommendationsto form competent professionals capable of professional activity and co-

operation at the international level. It is advisable for these purposes to wider the use of international electronic and paper media (magazines, electronic databases, congress materials, conferences etc.).

2. to provide full all the time access for senior students to foreign sources of medical literature, including external, to provide free access to MED line databases, etc.

3. within the framework of the basic educational program to provide better access to the equipped simulation classes in modethat allows studentstofurtherimprovingtherelevantskillsifnecessary.

4.5. Teaching staff

Evaluation of criterion:

Excellent

Strengths of the program:

1. Teaching staff is mostly formed by graduates of the Institute that promotes the preservation of continuity of knowledge.

2. The basic structure of teaching staff (100%) of clinical departments is basic health care facilities staff combining teaching and medical activities.

3. 70% of the teaching staff is under the age of 55 years

4. Guidance and scientific support is implemented for young teaching staff, as well as the financial incentives in the form of grants for young teaching staff.

5. Attention is given to the formation of the personnel reserve of the graduates of residency, internship, postgraduate programs and candidates of departments.

Additional information:

Analyzing the facts set out by the educational institution in the statement of self-examination, the expert concluded that the data are relevant and reliable. The results of a comprehensive evaluation of teaching staff (for last year), and the age structure of professors participating in the program are presented below.

Age of teaching staff:

Upto 30 years - 8.9%

31-45 years old - 45.2%

46-55 years old - 19.9%

56-70 years old - 22.0%

More than 70 years old - 4.0%

Recommendations:

1. to monitor the dynamics of the quality of teaching staff work on the basis of the feedback of the results from students about the process of teaching. It is necessary not only to show the results of the students' survey to the particular teacher, but also to evaluate his/her work and in the future pay more attention to the comments and points of growth mentioned in the report, which had been marked earlier by his/her Heads as significant.

2. to ensure the interdependence of financial motivation of the teaching staff and correctionthe

relevant comments identified earlier as a result of analysis of feedback from students on the quality of teaching.

4.6. Logistical and financial resources of the program

Evaluation of criterion:

Good

Strengths of the program:

1. The use of a fully equipped multimedia classrooms during the studies within the program is a wide spread practice. The classrooms are equipped with modern hardware-software modules that provide real-time information to students and make it possible to develop and extend the following diagnostic techniques:

- placing a central venous catheter,
- EGG registration and decryption both in ordinary cases and by different kinds of heart pathologies,
- birth attendants skills, and
- tracheal intubation for adults and nasotracheal intubation for children.

The classroom is also provided with life-like manikins, which serve for training of first-aid skills.

2. Urban and regional health services that are presented by large urban clinics and major regional medical centers allow the use of logistical and scientific components within the main degree program. The educational system is systematical, the education includes patient care. Students are able to attend a clinical practice day during which students communicate with patients during their treatment in the clinic as well in period of hospitalization. Further training in that activity and patient care is made under teaching staff's permanent control which means for the students the preparation and presentation of a report on medical history. The demonstration is supported by using multimedia, projectors and presentations.

During on-site visit the expert panel examined the learning equipment and technical facilities. Quantitative data to multimedia classrooms is represented below. Classroom is equipped with a life-like manikin of an adult and a child for first-aid training, life-like manikin for birth stimulation, tracheal intubation, placing a central venous catheter and a manikin with a monitor that can display EGG which allowing to create a clinical case.

Recommendations:

1. The equipment of the major part of the educational laboratories at urban clinics is to be eligible with standard regulations for educational laboratories. A necessary and sufficient condition is having teaching rooms equipped with sufficient quantity of technical and material facilities, a recordkeeping of learning material with no personal workplace is not permitted.

2. CEO's in hospitals, medical clinics, medical and obstetric centers and clinics under the control of both Education and Health Care Departments are to be involved in the program in more active manner. This serves for creating a pool of actively used medical bases with constant rotation aiming the continuous prolongation of the exploitation of laboratories and devices. Perceptively, it will allow to create a variety of equivalent technically equipped practice-oriented

centers that will be required during preparation of future doctors and contribute to the work of existing health practitioners.

3. Innovative equipment is to be implemented into teaching practices.

4. Make sure that educational classrooms are technically equipped according to university's standards.

4.7. Program's information resources

Evaluation of criterion:

Good

Strengths of the program:

1. The availability of information sources for the whole community of students both as library subscription with access to print media and a subscription on medical data bases, RSS aggregator, scientific publications, monographies a. o.

Recommendations:

1. Make sure that foreign medical literature sources are available for undergraduate students 24 hours a day, a complete access is to be fully secured. It includes an access outside of the library, an access to such data bases as MEDline, etc.

4.8. Research activity

Evaluation of criterion:

Excellent

Strengths of the program:

1. The scientific circles in different fields are actively conducted.

2. Almost all of the students are involved in scientific circles, participate in regional and other conferences with the reports, carry out publishing activity.

Recommendations:

Despite the active participation in scientific circles, the students do not realize that they acquire the skills to conduct research, do not seek to continue research activities after the end of education, are not fully aware of the need to continue it after finishing the education, They perceive participation in scientific circles as a process being subsidiary during the development of disciplines, rather than as a process necessary for further professional fulfillment.

1. It is important to conduct explanatory conversations, which focus students on specific competencies that they have mastered in the course of participating in scientific circles.

2. It is recommended to take into account the impact of students' participation in scientific circles in assessing students' knowledge in the relevant disciplines.

4.9. Participation of employers in program implementation

Evaluation of criterion:

Excellent

Strengths of the program:

1. Provision of medical bases for the implementation of the degree program
2. Employers are often attracted in the evaluation of graduate papers as peer-reviewers.
3. Basic departments are organized within medical universities; chair's meetings are attempted by the potential employers.

In accordance to the agreement between clinical bases and FSEI of HE Ogarev Mordovia State University, medical facilities render their logistical resources in the framework of program implementation.

Employers' satisfaction with graduates' qualification:

Mostly satisfied: 80 %

Fully satisfied: 20%

Additional information:

Percentage of employers who have considered that the professional qualification of the program's graduates:

- fully eligible with requirements for modern specialists in a particular branch: 35,7%
- mostly eligible with requirements for modern specialists in a particular branch but there are insignificant comments: 57,1%
- only few graduates show eligible qualification: 7,2% and
- mostly eligible with requirements for modern specialists in a particular branch: 0%.

Satisfaction of program's graduates with their education:

- fully satisfied: 69,4%
- mostly satisfied: 30,6%

Satisfaction of program's graduates with further Program development:

- fully satisfied: 41,6%
- mostly satisfied: 50%
- more satisfied than not satisfied: 2,8% and
- difficult to answer: 5,6%.

Recommendation

Criteria are fulfilled on a very best level. No recommendation required.

4.10. Participation of students in defining the program's content

Evaluation of criterion:

Good

Strengths of the program:

1. Tutors became a wide spread practice in the main degree program.

2. Practical application of different feedback instruments such as a system of review and evaluation of the teaching staff by the students.

Additional information:

During on-site visit the information matched in a self-assessment report was confirmed. Degree program is developed with participation of students using the following methods:

1. Collecting of students' proposals of revising the educational process (proposal is fully anonymous and prepared after completing the study subject). The applied questionnaires are presented and approved at the Scientific Council Board meeting (November 2014).

2. Cooperation with the educational sector of the Student union of the medical university (union's opinion is considered while approving subjects' work programs, editing, approving of the basic professional degree programs of higher education (MEP of HE), a representative of the Student union is an obligatory member of the University's Scientific Council and he/she is to take part at approving of the MEP of HE.

3. Annual monitoring of students' satisfaction with their educational process (Provisions on quality management system "Cooperation with Stakeholders", 10.06.10) (see http://www.mrsu.ru/ru/i_depart/docs.php?IBLOCK_ID=2016)

4. Student union. During an annual action the university's Student union carries out a survey with a title "Teacher in The Eyes of a Student" and monitors the students' satisfaction with the educational process' organization with purpose of further optimization (Provisions on student councils at Ogarev Mordovia State University, 20.06.12)

Both results of students' appeals and corrections are reported by the Student unions representative on meetings and report-elective conferences after being approved. University department's representatives are also to be provided with actual information.

The most active students who take part at education quality improvement process are awarded with gratifying letters from the university's directorate. Those letters are registered in an "accomplishments portfolio system". Awards are also being considered by the Social Department when it comes to acquisition of vouchers to health resorts and reimbursement of the costs of staying at recreation centers, while deciding about scholarship in case of an "active participation at social life" (Provisions on scholarships and other forms of material support to Ogarev Mordovia State University's students, 25.03.14) (see http://www.mrsu.ru/ru/i_depart/docs.php?ELEMENT_ID=31293). Finally, awards are considered by transferring to a budgetary course of education (Provisions on transfer of students from commercial to budgetary education courses at Ogarev Mordovia State University, 18.12.14).

Students' satisfaction with their educational process is to be checked yearly by a questionnaire which includes points showing seminars' quality (Provisions on quality management system "Cooperation with stakeholders", 10.06.10) (see http://www.mrsu.ru/ru/i_depart/docs.php?IBLOCK_ID=2016)

The medical university's Student union carries out a survey with a title „Teacher in The Eyes of a Student“ and „Tutor in The Eyes of a Student“ and monitors the students' satisfaction with the educational process organization with purpose of further optimization (Provisions on student unions at Ogarev Mordovia State University, 20.06.12) (see http://students.mrsu.ru/docs/studsovet/polojenie_cc.docx). That activity allows the administration to point out tendencies in students' opinion about individual, professional, and personal characteristics of the teaching staff.

On the basis of existing experience to improve efficiency in monitoring students' opinion, provisions on unitary Student Council of Education Quality at Ogarev Mordovia State University are discussed.

Students' satisfaction with their educational process is to be checked yearly by a questionnaire which includes points showing conditions for out of classroom work (Provisions on quality management system "Cooperation with stakeholders", 10.06.10) (http://www.mrsu.ru/ru/i_depart/docs.php?IBLOCK_ID=2016)

During on-site visit the expert panel analyzed the participation of the students at students' government body and research circles. The students' involvement is represented below.

Students' involvement:

1. I can effect educational process organization and administration: 44 %
2. I don't effect educational process organization and administration: 21 %
3. difficult to answer: 35 %.

Recommendations:

To monitor feedback outcomes on the corrections of the important complaints on the quality of educational process which were previously identified on the result of the analysis of feedback from students.

4.11. Services for students on a program level

Evaluation of criterion:

Excellent

Strengths of the program:

During on-site visit the information matched in a self-assessment report was confirmed. The visit evidenced that extracurricular cultural events took place according to medical university's road map (attached) and were supervised by the Department of extra-curriculum activities at Ogarev Mordovia State University (see http://students.mrsu.ru/index.php?option=com_content&view=article&id=92&Itemid=191), by department directors representative, student union of the medical university (see <http://students.mrsu.ru/>).

A wide range of activities have intellect developing character, another activities have creative character, for example "Starfall", "Freshman's Day", "Students' Spring", sporty, patriotic, volunteering etc. Variety of proposed activities allow students to choose a direction that is compatible with their interests at most. The activities take place on an institute's level, university's level, republican level, Russian-wide level. They take place regularly (three to four activities a week depends on individual interests).

1. Cultural clubs in educational institutions:

- Dance associations (dance association "New Age" with members from only medical students, association "Baguira", an inter-faculty association with both medical students and General Medicine students);

- Vocal-instrumental ensemble of the medical institute,
- Chore of the medical institute,
- Cheerleaders association,
- Humoristic club “Something New”,
- Drama circle,
- Pedagogic circle
- Volunteers’ association.

2. Services for students with disabilities:

Organization of educational process according to Provisions on organization of inclusive education for disabled persons and persons with disabilities at Ogarev Mordovia State University 10.03.2015. (See <http://www.mrsu.ru/ru/getfile.php?ID=54287>).

At the moment there are no persons enrolled at the university who require voice reorganization software, hearing device or aid in making notes during lectures, meanwhile these services are to be offered according to Provisions on organization of educational process for disabled persons and persons with disabilities at state educational institution of higher professional education (approved by the Ministry of Education and Science on April 8th 2014 No AK-44/05).

3. Additional programs and courses:

Computing facilities with free access:

The central library of Ogarev Mordovia State University (see <http://www.library.mrsu.ru>) is equipped:

- Situation Centre,
- Department of university reading room,
- Department of automation and libraries networking,
- Copy centre,
- System “Virtual reading room”.

4. Sociopsychological service:

Psychological Advice Service, established in 1998 extends psychological legal assistance to students and university staff and also works out the optimization of educational processes. The service works in cooperation with Department of Psychology of Ogarev Mordovia State University. See also

http://students.mrsu.ru/index.php?option=com_content&view=article&id=95&Itemid=233

5. Recruiting agency (employment office/career centre) for students and graduates:

Students and graduates employment office at Ogarev Mordovia State University, established on February 2002 (Provisions on regional students and graduates employment office in Mordovia Republic from December 15th 2009) See also

http://students.mrsu.ru/index.php?option=com_content&view=article&id=96&Itemid=227

The employment office provides services in job hiring for graduates from Mordovia Republic, workshops “Job searching methods”, consulting, services in occupational guidance etc. See also

http://students.mrsu.ru/index.php?option=com_content&view=article&id=96&Itemid=227

6. Ogarev Mordovia State University is provided with all the services that are required for a successful student activity, such as library, cantina, cafeteria, ski base, sport club, clinic, Wi-Fi network etc.

Recommendations:

The criterion is implemented very well. There is no need in recommendations.

4.12. Occupational guidance. Quality assessment of applicants’ knowledge

Evaluation of criterion:

Good

Strengths of the program:

1. Direct involvement of stakeholders among health departments’ representatives both from urban and regional medical centers in the framework of the governmental program of demand for both professionals representing particular disciplines and professionals representing complex sectors.
2. Annual job fairs.
3. Extensive policy of graduate engagement within the governmental Program “Zemsky Doctor”.
4. Direct correlation of common educational practices to the requirements of urban and regional health departments. Graduates must be eligible with the requirements of health systems when taking a job.
5. Cooperation with practices at medical facilities together with teaching staff.

Additional information:

The staff of the medical university travels around Mordovia Republic and visits schools and pre-university educational facilities to interview pre-students and medical colleague students. Cooperation with media (including television, radio and print such as newspapers and magazines), preparing PR and communication campaigns with purpose of gaining popularity of the degree program “General Medicine”. The university organizes a Public open days, where the teaching staff is responsible for making excursions to labs, anatomic museum, simulation centre.

Cooperation with schools in Mordovia Republic and various mordovian communities across Russian Federation aims creating young people's engagement to the University. An example is a yearly organized competition "DerevoZemli" (from Russian "Three of the Earth")

The "School – Collogue –University" system of continuing education is nowadays implemented at the university(students of secondary professional education who are participating at thisProgram have right for a reduced period of studies during their high education).

The percentage of the enrolled students that who choose training in General Medicine is 51%.

There is a faculty of a pre-university education and a centre of secondary professional education. The faculty's degree program allows both passing the Uniform State Exam (USE)and the Numerous Clauses for further studies at the University.

Ogarev Mordovia State University provides its pre-university educationstudents with all the necessary literature for both USE and Numerous Clauses.

Statistics of pre-university education (total sum 100%)

- graduated from elementary schools - 70%
- graduated from pre-university education courses - 30%
- didn't train at pre-university education at this university.

Recommendations:

1. It appears reasonable to have conversations with students for estimating the complications related to further work in chosen fields.

So, during the interview of last term students it was found out that in most of the cases graduates don't fully understand many important practical features of their further work. As a consequence, they are notpreparing themselves for a work in the field of the selected education. Some of them cannot answer questions relating their further professional development, perspectives of combining work with family (especially females).

2. It appears reasonable to organize career workshops led by successful professionals where professional development and criteria for choosing more particular field of work could be clarified. As a result, more conscious choice of prospective work field among students will be reached. This choice must be based not only on interest but also on understanding the features of further professional development.

3. in order to form a students' conscious choice, based not only on the interest, but also in the awareness of the features of the upcoming professional way under the project called "Path of success" it is recommended to invite the medical sphere practitioners not only from the region, but also foreign experts to illustrate the real difficulties associated with the practical work in the chosen specialties.

CVs of Experts

Expert's name: Alla A. Strutsenko

Place of work, position	Peoples' Friendship University of Russia, Associate Professor
Academic degree, academic title	Candidate of Medical Science
Deserved titles, degrees	-
Education	Higher professional education
Professional achievements	
Research interests	Somatic, neurological disorders, postoperative cognitive dysfunction
Practical experience in the direction of the program subject to assessment	20 years

Expert's name: Roman Goldman

Place of work, position	Association of medical centers MEDES (Israel), Promotion Director
Academic degree, academic title	
Deserved titles, degrees	-
Education	Higher professional education
Professional achievements	
Research interests	
Practical experience in the direction of the program subject to assessment	10 years

Expert's name: Yury Rankov

Place of work, position	"State Hospital Ichilov", practitioner
Academic degree, academic title	
Deserved titles, degrees	-
Education	Higher professional education
Professional achievements	
Research interests	
Practical experience in the direction of the program subject to assessment	14 years

Expert's name: Yaroslav I. Gal

Place of work, position	Diagnostic center №3 of the Health Department of Moscow, the Head of the Department of Emergency Medicine Service to adult population, the Head of a Single Control Center for South-Eastern Administrative District
Academic degree, academic title	
Deserved titles, degrees	-
Education	Higher professional education
Professional achievements	

Research interests	
Practical experience in the direction of the program subject to assessment	5 years

Expert's name: Vagram A. Movsisyan

Place of work, position	Deputy Head of the Intensive care unit of the Research Institute n.a. Sklifosovsky N.V.
Academic degree, academic title	
Deserved titles, degrees	-
Education	Higher professional education
Professional achievements	
Research interests	
Practical experience in the direction of the program subject to assessment	5 years

Expert's name: Mikhail V. Asmankin

Place of work, position	"The Russian National Research University n.a. Pirogov N.I.", student
Academic degree, academic title	
Deserved titles, degrees	-
Education	Not finished higher education
Professional achievements	
Research interests	
Practical experience in the direction of the program subject to assessment	5 years