«АККРЕДИТТЕУ ЖӘНЕ РЕЙТИНГТІҢ ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert evaluation commission for compliance with the requirements of the IAAR standards for international accreditation of the organization and the program of continuous professional training

FOR THE CLUSTER OF EDUCATIONAL PROGRAMS "CARDIOLOGY AND ULTRASOUND DIAGNOSTICS":

1) Fundamentals of coronary interventions;
2) Heart defects and aortic surgery;
3) Current international recommendations on cardiology;
4) Duplex scanning of the carotid arteries;
5) Current aspects of assessing valvular pathology in echocardiography

SAMARA STATE MEDICAL UNIVERSITY

17-19 May , 2022

INDEPENDENT ACCREDITATION AND RATING AGENCY
External Expert Commission

Addressed to
IAAR Accreditation
Council

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Contents

(I) LIST OF DESIGNATIONS AND ABBREVIATIONS

EP	- educational program
RW	- research work
QMS	- quality management system
TS	- teaching staff
MM	- mass media
CPE	- continuing professional education
EEC	External Expert Commission
IPE	- Institute of Professional Education

(II) Introduction

In accordance with Order No. 53-19-OD of 02.05.2022 of the Independent Agency for Accreditation and Rating, between 17 and 19 May, 2022, an external expert commission assessed the compliance of programs: 1) Fundamentals of coronary interventions; 2) Heart defects and aortic surgery 3) Current international recommendations on cardiology; 4) Duplex scanning of carotid arteries; 5) Current aspects of assessing valvular pathology in echocardiography of the Samara State Medical University with the IAAR standards for international accreditation of the organization and its programs of continuing professional Education (No. 68-18/1-OD of January 25, 2021).

The report of the external expert commission (EEC) contains an assessment of the submitted programs based on the IAAR criteria, recommendations of the EEC for further improvement of the educational program and parameters of the profile of educational programs.

EEC members:

1) ***Chairman of the VEC*** – Prof. Konrad Juszkiewicz, Doctor of Medical Sciences, Professor, KIT Royal Tropical Institute (Netherlands). *On-line participation*

2) ***IAAR Expert*** – Elena S. Tulupova Ph.D., Institute of Public Health and Medical Law, 1st Medical Faculty of Charles University (Czech Republic) *On-line participation*

3) ***IAAR expert*** – Zulfiya M.Zhankalova, MD, gastroenterologist, Asfendiyarov Kazakh National Medical University. (Republic of Kazakhstan) *Off-line participation*

4) ***IAAR Expert*** – Raushan S. Dosmagambetova, MD, Professor, Karaganda Medical University (Republic of Kazakhstan) *Off-line*

5) ***IAAR expert*** – Irina V. Nazarenko, Dean of the Faculty of Medicine and Diagnostics, Educational Institution "Gomel State Medical University", PhD (Republic of Belarus) *Off-line*

6) ***IAAR Expert*** – Natalia V. Lapova, Ph.D., Associate Professor, Dean of the Faculty of Pharmacy of Vitebsk State Medical University (Republic of Belarus) *Off-line*

7) ***IAAR expert*** – Alexey N. Kalyagin, MD, Vice-Rector for Medical Work and Postgraduate Education, Head of the Department of Propaedeutics of Internal Diseases of the Irkutsk State Medical University of the Ministry of Health of Russia (Russian Federation) *On-line participation*

8) ***IAAR expert*** – Elena A. Kiseleva, MD, Professor "Novokuznetsk State Institute of Advanced Medical Training" – Branch of the Russian Medical Academy of Continuing Professional Education of the Ministry of Health of Russia (Russian Federation) *Off-line*

9) ***IAAR expert, employer*** – Dmitry I. Dmitriev, Chief Physician of Novokuibushevs Dental Polyclinic (Russian Federation) *Off-line participation*

10) ***IAAR expert, employer*** – Polina V. Shitz, LLC "Medicine Plus", Russian Federation (Russian Federation) *On-line participation*

11) ***IAAR expert, Student*** – Dmitry S. Anisimov, 5th year student of the Pediatric Faculty, Chairman of the primary trade union organization of students, Smolensk State Medical University (Russian Federation). *On-line participation*

12) ***IAAR expert, student*** – Yury S. Olovyannikov, a 5th-year student of the educational program "General Medicine" of the Institute of Clinical Medicine at the Altai State Medical University (Russian Federation) (online). *On-line participation*

13) ***IAAR expert, student*** – Vyacheslav P. Artishchev, 1st year resident of the EP "Pathological Anatomy" at the I.M. Sechenov First Moscow State Medical University (Russian Federation). *On-line participation*

14) ***IAAR Coordinator*** – Malika A. Saydulayeva, project manager of the Independent Agency for Accreditation and Rating (Republic of Kazakhstan). *On-line participation*

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

The Federal State Budgetary Educational Institution of Higher Education "Samara State Medical University" of the Ministry of Health of the Russian Federation was established in accordance with the Resolution of the 4th Samara Provincial Congress of Soviets of 24/12/1918 as the medical Faculty of Samara State University, which in 1930 was transformed into the Samara Medical Institute (resolution of the Council of People's Commissars of the RSFSR of 12.07.1930). Changes in the official names of the university are presented in Appendix 2.

The University carries out its activities in accordance with the Constitution of the Russian Federation, Federal Law dated 29 December, 2012. N 273-FZ "On Education in the Russian Federation", other federal laws, decrees and orders of the President of the Russian Federation, resolutions and orders of the Government of the Russian Federation, regulatory legal acts of the Ministry of Science and Higher Education of the Russian Federation, the Ministry of Education of the Russian Federation, the Ministry of Health of the Russian Federation and the Charter of the University (Amendments to the Charter of the SamSMU dated 19/04/2018, Amendments to the Charter of the SamSMU dated 22/04/2022).

The SamSMU is a legal entity (non-profit organization), registered in the Unified State Register of Legal Entities No. 1026301426348 (certificate series 63 No. 001314945 on making an entry in the Unified State Register of Legal Entities on a legal entity registered before 1 July, 2002, date of entry 14.01.2003), it is registered with the tax authority (certificate of registration in tax authority series 63 No. 006290260, registration date 27.07.1994).

The University has a license to conduct educational activities No. 2335 of 12 August 2016, the series 90Л01 No. 0009395 (with annexes 1.1, 1.2, 1.3), issued by the Federal service for supervision in the sphere of education and science, valid indefinitely, for the basic educational programs of secondary vocational education, higher education - Bachelor's programs, specialist programs, Master's programs, programs of training for highly qualified specialists - postgraduate residency programs for scientific and pedagogical personnel and programs of continuing professional education and continuous education for children and adults and state accreditation (certificate of state accreditation No. 2697 01 Nov 2017, series 90A01 No. 0002829 issued by the Federal service for supervision in the sphere of education and science, valid until 1 Nov 2023) for the enhanced group of specialties of secondary vocational education - 31.00.00 Clinical medicine; higher education - Bachelor 34.00.00 Nursing, 39.00.00 Sociology and Social Work; higher education - specialty 31.00.00 Clinical medicine, 32.00.00 Health Sciences and Preventive Medicine, 33.00.00 Pharmacy, 37.00.00 Psychological science; higher education - Master's degree 32.00.00 Health Sciences and Preventive Medicine; higher education postgraduate training for highly qualified scientific and pedagogical personnel 06.00.00 Biological Sciences, 30.00.00 Fundamental medicine, Clinical medicine 31.00.00, 32.00.00 Health Sciences and Preventive Medicine, 33.00.00 Pharmacy, 37.00.00 Psychological science; higher education - residencies for highly qualified personnel 31.00.00 Clinical medicine, 32.00.00 Health Sciences and Preventive Medicine, 33.00.00 Pharmacy.

The university has 19 scientific and pedagogical schools, 6 dissertation councils for the defense of doctoral and candidate of sciences dissertations in medical and pharmaceutical sciences (13 specialties).

The university has wide international recognition, as evidenced by the export of educational services (over the past two years, the number of foreign students has increased by 22%); a bilingual program in the specialty 31.05.01 General Medicine has been launched, it is being taught in English; the practice of academic exchanges is successfully developing.

The University is represented in the following rating systems: THE WUR 2021 – reporter, THE Impact Ranking Overall - 601-800, THE Impact Ranking Good Health and Well-being - 101 - 200, Global Aggregated Rating-2021 - TOP 10% of universities in the world, Moscow International University Rating "Three University Missions" - 1201-1300, Rating of the best universities of Russia RAEX- 100 - 50.

Information about the department

Educational programs “Current international recommendations on cardiology", "Fundamentals of coronary interventions" and "Heart defects and aortic surgery" are taught at the Department of Cardiology and Cardiovascular Surgery of the Institute of Professional Education, Head of the Department, MD, Prof. S.M. Khokhlunov

The department was established in December 1989 on the initiative of Professor V.P. Polyakov. From 1989 to 2010, the department was managed by Honorary Professor of SamSMU, Honored Doctor of the Russian Federation, Professor V. P. Polyakov. Since September 2010, the department has been managed by the Honored Doctor of the Russian Federation, Doctor of Medical Sciences, Professor Sergey M. Khokhlunov.

7 employees teach at the department, all have academic degrees, academic titles, medical qualification categories. Among the staff of the department: are the chief freelance specialist of the Volga Federal District for cardiovascular surgery Sergey Khokhlunov, chief freelance specialist of the Ministry of Health of the Samara region in cardiology; Anton A. Avramenko, Associate Professor of the Department; T.V. Pavlova T.V., professor of the department and I.S. Mullova I.S., assistant of the department.

All employees of the department are employees of the Samara Regional Clinical Cardiology Dispensary named after V. P. Polyakov, they provide regular consultations to patients.

Educational programs "Duplex scanning of carotid arteries" and "Current aspects of assessing valvular pathology in echocardiography" are taught at the Department of Therapy and Functional Diagnostics of the Institute of Professional Education, Head of the Department, MD, Prof. P.A. Lebedev

The Department of Therapy at the IPE was established in 1984. The teaching staff mainly came from the Department of Clinical Therapy – Associate Professor A.F. Melnikov, associate professor Y.K. Plotnikov, PhD, assistant P.V. Spirina, clinical resident A.S. Demin. Initially, the department was led by associate Professor A.F. Melnikov, from December 1985 by Professor E.A. Gulyaev, and since September 1999 the department has been managed by Doctor of Medical Sciences, Professor P.A. Lebedev. In close cooperation with the clinical base – the Samara regional clinical hospital named after V. D. Seredavin) tthe department initially took part in the creation of the cardiological consultation service, and then in establishing a cardiology department, the initiators were P. A. Lebedev MD and Ph.D. Associate Professor T. B. Soboleva PhD,, the first head of the department.

At the IPE Therapy Department of the SamSMU in 1997 upon the order of the rector academician A. F. Krasnov a course in functional diagnostics was organized for doctors, for over 20 years it has served as a methodological and educational center for doctors of the Samara region and the broader Volga region. Since 2020 it has deployed the capabilities of the Department of Functional Diagnostics of the SamSMY Clinics (managed by associate Professor O. V. Tereshin, PhD) significantly expanding the prospects for education.

The highly qualified teaching staff of the department includes 8 practitioners, all have academic degrees of candidate or doctor of medical sciences.

The contingent of students in the EP in terms of forms and languages of study

By the time of the EEC visit, 99 students completed the course.

1. "Current international recommendations on cardiology" - 20 students;
2. "Fundamentals of coronary interventions" - 15 students
3. "Heart defects and aortic surgery" - 20;
4. "Duplex scanning of the carotid arteries" - 29; students
5. "Current aspects of assessing valvular pathology in echocardiography" - 15 students

The courses are taught in Russian.

Qualitative and quantitative composition of teachers of the EP

Teachers of educational programs "Current international recommendations on cardiology",

"Fundamentals of coronary interventions" and "Heart defects and aortic surgery":

N	Last name, First name, Patronymic (in full)	Job title	Academic degree	Academic title	Years of experience	Teaching experience	Category
1	Sergey M. Khokhlunov	Head of the Department	Doctor of Medical Sciences	Professor	40	19	superior
2	Tatiana V. Pavlova	Professor	Doctor of Medical Sciences	Associate Professor	32	24	superior
3	Dmitry V. Duplyakov	Professor	Doctor of Medical Sciences	Professor	31	18	superior
4	Anton A. Avramenko	Associate professor	Candidate of Medical Sciences	-	20	10	superior
5	Irina S. Mullova	Assistant	Candidate of Medical Sciences	-	8	2	second
6	Dmitry V. Kuznetsov	Assistant	Candidate of Medical Sciences	-	26	5	superior
7	Julietta G. Gabrielyan	Assistant	Candidate of Medical Sciences	-	23	22	superior

Teachers of educational programs "Current international recommendations on cardiology", "Fundamentals of coronary interventions" and "Heart defects and aortic surgery"

N	Last name, First name, Patronymic	Job title	Academic degree	Title	Years of experience	Teaching experience	Category
1.	Pyotr A. Lebedev	Head of the Department	MD	Professor	38	38	superior
2.	Ilya I. Sirotko	Professor	MD	Professor	32	26	Superior
3.	Vladimir M. Losev	Associate Professor	Candidate of Medical Sciences	Associate professor	39	29	superior
4.	Elena V. Paranina	Associate Professor	Candidate of Medical Sciences		17	17	none
5.	Olga V. Tereshina	Associate Professor	Candidate of Medical Sciences	Associate professor	26	15	superior
6	Maria A. Skuratova	assistant	Candidate of medical sciences		24	2	superior
7.	Irina P. Vvedenskaya	assistant	Candidate of Medical Sciences		17	17	none
8.	Violetta A. Rodionova	assistant	Candidate of Medical Sciences		27	9	superior
9.	Yekaterina P. Efimova	assistant	none		16	0.5	second
10.	Yulia B. Reshetnikova	assistant	none		23	0.5	superior
11.	Yekaterina V. Usenko	assistant	none		25	0.5	superior
12.	Maria A. Bogdanova	assistant	none		9	0.5	first

Research projects of the departments

The scientific activity of the Department of Cardiology and Cardiovascular Surgery is focused on the topic of "An integrated approach to the diagnosis, treatment and prevention of congenital and acquired diseases of the cardiovascular system". With the active participation of the department staff, the III Volga Region Congress of Cardiologists, the National "Cardioneurology" Conference, the First International Forum of Young Cardiologists and the National Conference "Controversial and unresolved issues of modern Cardiology", annual national conferences "Contradictions of modern Cardiology: controversial and unresolved issues" were organized in Samara. Every year the staff of the department present the results of their work at all major international and national conferences — World Cardiology Congress, European Cardiology Congress, National Congress of Cardiologists, Neurocard (Serbia), ISCHNE Congress, Winter ISHNE Meeting (Poland), the serve as members of scientific committees.

The staff of the department participated in the preparation of Russian national recommendations on the management of patients with atrial fibrillation, prevention of sudden death, prediction and prevention of cardiac complications during extracardial operations, the functional state of kidneys and the prediction of cardiovascular risk.

Most of the graduates of the department have become distinguished professionals in their field. The head of the department, Professor Sergey Khokhlunov was awarded the badge "For the work benefitting the Samara region", the badge of honor of the Samara Provincial Duma "For serving the law". Employees of the department were awarded Honorary diplomas of the Ministry of Health of Russia and the Ministry of Health of the Samara region. Publications of the Department:

1. INFANTILE-ONSET POMPE DISEASE: CLINICAL AND GENETIC DIVERSITY OF PATHOLOGY, DIAGNOSTIC DIFFICULTIES, CHARACTERISTICS OF TREATMENT DEPENDING ON THE CRIM STATUS Rozhkova A.B., Avramenko A.A., Broderzon Y.V., Duplyakov D.V., Zakharova E.Y. Russian Journal of Cardiology. 2021. Vol. 26. No. S7. P. 17.
2. PATIENT MANAGEMENT BEFORE NORWOOD OPERATION: ELIMINATION OF RISK FACTORS OF AN UNFAVORABLE OUTCOME Avramenko A.A., Pyshcheva L.V., Khokhlunov S.M. Cardiology and cardiovascular surgery. 2021. Vol. 14. No. 2. Pp. 117-122.
3. SYSTEMIC VEINS IN PATIENTS WITH A SINGLE FUNCTIONAL VENTRICLE OF THE HEART: ANATOMICAL CHARACTERISTICS AND THEIR EFFECT ON MULTI-STAGED HEMODYNAMIC CORRECTION Avramenko A.A., Svechkov N.A., Kislukhin T.V., Shorokhov S.E. Clinical and experimental surgery. Journal named after Academician B.V. Petrovsky. 2021. Vol. 9. No. S3. Pp. 64-70.
4. ISSUES OF TIMELY DIAGNOSTICS OF LYSOSOMAL ACID LIPASE DEFICIENCY IN CHILDREN AND YOUNG ADULTS WITH LIPI DISORDERS. EXPERT OPINION Yezhov M.V., Zakharova E.Yu., Avramenko A.A., Alieva A.S., Zakharova I.N., Leontieva I.V., Malyavskaya S.I., Osmanov I.M., Sadykova D.I., Stolina M.L., Strokova T.V. RMJ. Mother and child. 2021. Vol. 4. No. 3. Pp. 268-276.
5. VEIN OF GALEN ANEURYSM IN THE NEWBORNS: SECTIONAL OBSERVATION Poletaeva S.V., Plokhova V.A., Avramenko A.A., Svechkov N.A. In the collection: Modern pathology: experience, problems, prospects. Collection of materials of the 1st National Scientific and practical conference with international participation. edited by A.V. Kolsanov, G.P. Kotelnikov, T.A. Fedorina. Samara, 2020. Pp. 144-150.
6. SURGERY: EPONYMIC SYMPTOMS AND SYNDROMES Avramenko A.A., Adyshirin-Zadeh E.E., Alekseev D.G., Andreev P.S., Bayrikov I.M., Bystrov S.A., Garanin A.A., Grachev B.D., Gusev D.O., Ishutov I.V., Katorkin S.E., Kolsanov A.V., Korymasov E.A., Makarov I.V., Myakotnykh M.N., Nizamova R.S., Povyennova I.E., Povyennov A.V., Savelyev

A.L., Samutkina M.G., etc. Guide for doctors / Moscow, 2019. Ser. Higher education: Specialty

7. TECHNICAL CHARACTERISTICS OF NORWOOD OPERATION AS THE MOST IMPORTANT FACTOR INFLUENCING THE OUTCOME FOR TREATMENT FOR PATIENTS WITH A SINGLE HEART VENTRICLE AND OBSTRUCTION OF SYSTEMIC CIRCULATION Avramenko A.A., Khokhlunov S.M. Bulletin of Surgery named after I.I. Grekov. 2019. Vol. 178. No. 1. Pp. 11-16.

8. CRITICAL CONGENITAL HEART DEFECTS OF NEWBORNS Santalova G.V., Shorokhov S.E., Stadler E.R., Avramenko A.A., Gorbunova A.V., Nurullina A.V. Issues of practical pediatrics. 2019. Vol. 14. No. 2. Pp. 78-86.

9. EVALUATION OF EFFECTIVENESS OF AN INTEGRATED OUTPATIENT MONITORING SYSTEM FOR CARDIOEMBOLIC STROKE PATIENTS WITH ATRIAL FIBRILLATION Efimova O.I., Pavlova T.V., Pyshcheva L.V., Khokhlunov S.M. Russian Journal of Cardiology. 2021. Vol. 26. No. S7. Pp. 22-28.

10. DETERMINING THE OPTIMAL MANAGEMENT STRATEGY FOR PATIENTS WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION UPON LATE ADMISSION TO THE PERCUTANEOUS CORONARY INTERVENTION CENTER (OVER 12 HOURS) Vorontsova S.A., Pavlova T.V., Khokhlunov S.M., Podlipaeva A.A. Russian Journal of Cardiology. 2021. Vol. 26. No. S7. Pp. 30-38.

11. PATIENT MANAGEMENT BEFORE NORWOOD OPERATION: ELIMINATION OF RISK FACTORS OF AN UNFAVORABLE OUTCOME Avramenko A.A., Pyshcheva L.V., Khokhlunov S.M. Cardiology and cardiovascular surgery. 2021. Vol. 14. No. 2. Pp. 117-122.

12. EFFECTIVE LIFE FOR THE RADIAL ARTERY IN CORONARY SURGERY AFTER ITS CATHETERIZATION Mikhailov K.M., Kuznetsov D.V., Khokhlunov S.M., Novokshenov V.V., Kryukov A.V., Nikolaeva E.N. Cardiology and cardiovascular surgery. 2021. Vol. 14. No. 2. Pp. 145-148.

13. SOFTWARE FOR CHOOSING AN ORAL ANTICOAGULANT FOR PATIENTS WITH ATRIAL FIBRILLATION Efimova O.I., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Certificate of software registration 2020619796, 25.08.2020. Application No. 2020614535 dated 21.04.2020.

14. THE LONGITUDINAL-TRANSVERSE METHOD OF STERNAL SUTURING AS THE ADDITIONAL METHOD OF PREVENTING DEEP STERNAL WOUND INFECTION IN CARDIAC PATIENTS Kuznetsov D.V., Gevorgyan A.A., Novokshenov V.V., Mikhailov K.M., Kryukov A.V., Khokhlunov S.M. Bulletin of Surgery named after I.I. Grekov. 2020. Vol. 179. No. 3. Pp. 25-32.

15. ECG CHANGES AND THEIR SIGNIFICANCE IN CLINICAL PROGNOSIS FOR PATIENTS WITH PULMONARY EMBOLISM Mullova I.S., Cherepanova N.A., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Russian Journal of Cardiology. 2020. Vol. 25. No. S2. P. 48.

16. THROMBOLYTIC THERAPY FOR NORMOTENSIVE PATIENTS WITH PULMONARY ARTERY THROMBOEMBOLIA (RETROSPECTIVE STUDY DATA) Cherepanova N.A., Mullova I.S., Kiselev A.R., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Rational pharmacotherapy in cardiology. 2020. Vol. 16. No. 5. Pp. 742-748.

17. CARDIOEMBOLIC STROKE PATIENTS: CHARACTERISTICS AND PECULIARITIES Efimova O.I., Sergeeva M.A., Pavlova T.V., Garkina S.V., Khokhlunov S.M., Lebedev D.S. Fundamental and clinical medicine. 2020. Vol. 5. No. 2. Pp. 30-38.

18. SOFTWARE FOR PREDICTING AN UNFAVORABLE CLINICAL OUTCOME FOR PATIENTS WITH LOW- AND INTERMEDIATE-RISK PULMONARY ARTERY THROMBOEMBOLIA Mullova I.S., Pavlova T.V., Khokhlunov S.M., Komarova M.V., Duplyakov D.V. Certificate of software registration RU 2019661462, 02.09.2019. Application No. 2019614994 dated 06.05.2019.

19. CHRONIC HEART FAILURE Khokhlunov S.M., Trukhanova I.G., Duplyakov D.V., Adonina E.V., Shishkova A.V. Student manual / Samara, 2019.

20. SURGERY: EPONYMIC SYMPTOMS AND SYNDROMES Avramenko A.A., Adyshirin-Zadeh E.E., Alekseev D.G., Andreev P.S., Bayrikov I.M., Bystrov S.A., Garanin A.A., Grachev B.D., Gusev D.O., Ishutov I.V., Katorkin S.E., Kolsanov A.V., Korymasov E.A., Makarov I.V., Myakotnykh M.N., Nizamova R.S., Povyennova I.E., Povyennov A.V., Savelyev A.L., Samutkina M.G., etc. Guide for doctors / Moscow, 2019. Ser. Higher education: Specialty

21. TECHNICAL CHARACTERISTICS OF NORWOOD OPERATION AS THE MOST IMPORTANT FACTOR INFLUENCING THE OUTCOME OF TREATMENT FOR PATIENTS WITH A SINGLE HEART VENTRICLE AND OBSTRUCTION OF SYSTEMIC CIRCULATION Avramenko A.A., Khokhlunov S.M. Bulletin of Surgery named after I.I. Grekov. 2019. Vol. 178. No. 1. Pp. 11-16.

22. CORONARY BYPASS SURGERY INVOLVING TWO INTERNAL THORACIC ARTERIES Kuznetsov D.V., Gevorgyan A.A., Novokshenov V.V., Mikhailov K.M., Kryukov A.V., Khokhlunov S.M. Bulletin of Surgery named after I.I. Grekov. 2019. Vol. 178. No. 1. Pp. 10-15.

23. PROGNOSTIC VALUE OF ECG IN PATIENTS WITH PULMONARY ARTERY THROMBOEMBOLIA Mullova I.S., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Rational pharmacotherapy in cardiology. 2019. Vol. 15. No. 1. Pp. 63-68.

24. COMPARATIVE ASSESSMENT OF RISK SCALES FOR CORONARY ARTERY STENT THROMBOSIS Pavlova T.V., Khokhlunov S.M. Togliatti Medical Council. 2019. № 3-4. Pp. 52-58.

25. EXPERIMENTAL MODELS OF PULMONARY EMBOLISM Mullova I.S., Chaulin A.M., Svechkov N.A., Pavlova T.V., Limareva L.V., Duplyakov D.V. Russian Journal of Cardiology. 2022. Vol. 27. No. S1. Pp. 40-48.

26. RENAL DYSFUNCTION IN PATIENTS WITH PULMONARY EMBOLISM ACCORDING TO THE SIRENA REGISTER Menzorov M.V., Filimonova V.V., Ehrlich A.D., Barbarash O.L., Burns S.A., Schmidt E.A., Duplyakov D.V., Zhukova N., Mayanskaya S., Gilmanov A., Akhundov R., Safina E., Rudneva T., Salakhutdinova L., Rizatdinova F., Kheraskov V., Klimenkova A., Neeshpapa A., Merai I., Babaeva L., etc. Russian Journal of Cardiology. 2021. Vol. 26. No. S7. Pp. 26-34.

27. ACUTE PULMONARY ARTERY OBSTRUCTION AS THE PRIMARY MANIFESTATION OF RAPIDLY GROWING SARCOMA IN A 23-YEAR-OLD PATIENT Mullova I.S., Bikbaeva G.R., Tukhbatova A.A., Karpushkina E.M., Sukhinina E.M., Abashin E.G., Duplyakov D.V. Russian Journal of Cardiology. 2021. Vol. 26. No. S7. P. 11-

28. THROMBOLYTIC THERAPY IN THE TREATMENT OF PATIENTS WITH LOW-RISK PULMONARY EMBOLISM ACCORDING TO THE SIRENA REGISTER Cherepanova N.A., Mullova I.S., Pavlova T.V., Ehrlich A.D., Barbarash O.L., Burns S.A., Schmidt E.A., Duplyakov D.V. Rational pharmacotherapy in cardiology. 2021. Vol. 17. No. 3. Pp. 401-407.

29. FACTORS INFLUENCING THE DECISION ON APPLYING THROMBOLYTIC THERAPY IN PATIENTS WITH LOW-RISK PULMONARY EMBOLISM: DATA FROM THE SIRENA REGISTER Cherepanova N.A., Mullova I.S., Podlipaeva A.A. In the book: POSTGRADUATE READINGS - 2020. YOUNG SCIENTISTS: SCIENTIFIC RESEARCH AND INNOVATION. Materials of the national scientific and practical conference with international participation dedicated to the 90th anniversary of Professor A.A. Lebedev. Samara, 2020. Pp. 81-83

30. RUSSIAN REGISTER OF ACUTE PULMONARY EMBOLISM “SIRENA”: CHARACTERISTICS OF PATIENTS AND HOSPITAL TREATMENT Ehrlich A.D., Atakanova A.N., Neeshpapa A.G., Cherepanova N.A., Mullova I.S., Barbarash O.L., Burns S.A., Schmidt E.A., Duplyakov D.V., Zhukova N.Yu., Mayanskaya S.D., Gilmanov A.A., Akhundov

R.N., Safina E.I., Rudneva T.V., Salakhutdinova L.M., Rizatdinova F.N., Kheraskov V.Yu., Klimenkova A.V., Hathokhu M.G., etc. Russian Journal of Cardiology. 2020. Vol. 25. No. 10. Pp. 159-167.

31. NEW BIOLOGICAL MARKERS FOR DIAGNOSING AND PREDICTING THE RISK OF DEATH IN PATIENTS WITH PULMONARY EMBOLISM Podlipaeva A.A., Mullova I.S., Pavlova T.V. Russian Journal of Cardiology. 2020. Vol. 25. No. 45 P. 4202.

32. ECG CHANGES AND THEIR SIGNIFICANCE IN CLINICAL PROGNOSIS FOR PATIENTS WITH PULMONARY EMBOLISM Mullova I.S., Cherepanova N.A., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Russian Journal of Cardiology. 2020. Vol. 25. No. S2. P. 48.

33. NEW BIOLOGICAL MARKERS FOR DIAGNOSING AND PREDICTING THE RISK OF DEATH IN PATIENTS WITH PULMONARY ARTERY THROMBOEMBOLIA Podlipaeva A.A., Mullova I.S., Pavlova T.V., Ushakova E.V., Duplyakov D.V. Russian Journal of Cardiology. 2020. Vol. 25. No. S4. Pp. 38-45

34. THROMBOLYTIC THERAPY FOR NORMOTENSIVE PATIENTS WITH PULMONARY ARTERY THROMBOEMBOLIA (RETROSPECTIVE STUDY DATA) Cherepanova N.A., Mullova I.S., Kiselev A.R., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Rational pharmacotherapy in cardiology. 2020. Vol. 16. No. 5. Pp. 742-748.

35. SOFTWARE FOR PREDICTING AN UNFAVORABLE CLINICAL OUTCOME FOR PATIENTS WITH LOW- AND INTERMEDIATE-RISK PULMONARY ARTERY THROMBOEMBOLIA Mullova I.S., Pavlova T.V., Khokhlunov S.M., Komarova M.V., Duplyakov D.V. Certificate of software registration RU 2019661462, 02.09.2019. Application No. 2019614994 dated 06.05.2019.

36. PROGNOSTIC VALUE OF ECG IN PATIENTS WITH PULMONARY ARTERY THROMBOEMBOLIA Mullova I.S., Pavlova T.V., Khokhlunov S.M., Duplyakov D.V. Rational pharmacotherapy in cardiology. 2019. Vol. 15. No. 1. Pp. 63-68.

Research activity of the IPE Department of Therapy within the framework of cooperation with the staff of the Engineering and Medical center "New Devices" under the guidance of Doctor of Technical Sciences, Professor L.I. Kalakutsky was defined by the scientific focus of the department on noninvasive diagnostics of cardiovascular diseases. In 2002-2003, a system assessing the elasticity and reactivity of peripheral arteries was jointly developed. A patent was obtained for the method of assessing the function of the vascular endothelium, several PhD theses were defended. The department received priority status among Russian researchers for clinical implementation of computer finger photoplethysmography.

In cooperation with the Department of Laser and Biotechnical Systems of Samara National Research University named after Academician S. P. Korolev, led by the Doctor of Technical Sciences, Professor V. P. Zakharov, a device for determining the end products of tissue glycation via the skin autofluorescence parameter was developed. The concept of early preclinical stratification of cardiovascular risk is based on the technology deployed in these devices, The simplicity, accessibility, non-invasiveness and informativeness of the method opens up new possibilities in the primary and secondary prevention of diseases caused by aging. With the use of this device, jointly with the Department of Ophthalmology of the SamSMU, a study was conducted on the differentiation of age-related macular degeneration and cataracts via fluorescent assessment of the contents of glycation end products in the skin. Together with the Department of Family Medicine, the interrelation of vascular endothelial function parameters not only with risk factors, but also with indicators of suboptimal health status reflecting medical aspects of the populations' quality of life was established.

Another joint project developed with the staff of the Department of Laser and Biotechnical Systems, is the cardiotester monitor, which allows a person to obtain data on the state of their health at home. Publications of the Department:

1. THE POSSIBILITY OF MONITORING ANTICOAGULANT THERAPY FOR COVID-19 PATIENTS IN THE INTENSIVE CARE UNIT: THROMBOELASTOMETRY AND ECHOCARDIOGRAPHY Ketsko Y.L., Tereshina O.V. Russian Journal of Cardiology. 2022. Vol. 27. No. 1. Pp. 74-76
2. PREOPERATIVE STRESS TESTING FOR PATIENTS BEFORE VASCULAR INTERVENTIONS Tereshina O.V., Gryaznova D.A., Vachev A.N. Angiology and vascular surgery. 2021. Vol. 27. No. 1. Pp. 159-164.
3. PREDICTION OF MYOCARDIAL DAMAGE RISK DURING CAROTID ENDARTERECTOMY Vachev A.N., Tereshina O.V., Dmitriev O.V., Belkin Y.S. Clinical physiology of blood circulation. 2021. Vol. 18. No. 3. Pp. 185-192.
4. ACUTE MYOCARDIAL INJURY IN COVID-19 PATIENTS WITH NO HISTORY OF CARDIOVASCULAR DISEASES Sabanova V.D., Davydkin I.L., Zolotovskaya I.A., Gimatdinova G.R., Tereshina O.V. Preventive medicine. 2021. Vol. 24. No. 7. Pp. 111-116.
5. A METHOD OF MANAGING CHRONIC LYMPHOCYTIC LEUKEMIA PATIENTS DURING POLYCHEMOTHERAPY USING THE FCR SCHEME, AIMED AT PREVENTING CARDIOTOXICITY Davydkin I.L., Kuzmina T.P., Zolotovskaya I.A., Tereshina O.V., Shpigel A.S., Danilova O.E., Mordvinova E.V. Patent for invention 2722111 C1, 05/26/2020. Application no. 2019145636 dated 30.12.2019.
6. A METHOD FOR PREDICTING THE RISK OF SUBCLINICAL SYSTOLIC DYSFUNCTION OF THE LEFT VENTRICLE FOR PATIENTS WITH CHRONIC LYMPHOCYTIC LEUKEMIA DURING FCR CHEMOTERAPY Davydkin I.L., Kuzmina T.P., Zolotovskaya I.A., Tereshina O.V., Stepanova T.Yu., Khayretdinov R.K., Naumova K.V. Patent for invention 2727003 C1, 17.07.2020. Application no. 2019145636 dated 30.12.2019.
7. CHARACTERISTICS OF MYOCARDIAL CONTRACTILITY DISORDERS IN PATIENTS WITH CHRONIC LYMPHOCYTIC LEUKEMIA DURING CHEMOTHERAPY AND THEIR ENALARPIL CORRECTION Davydkin I.L., Kuzmina T.P., Zolotovskaya I.A., Tereshina O.V., Danilova O.E., Khayretdinov R.K., Rogozina L.A. Russian Journal of Cardiology. 2020. Vol. 25. No. 2 Pp. 90-97.
8. DIFFICULTIES IN DIAGNOSING ELECTRODE ENDOCARDITIS Shchukin Y.V., Tereshina O.V., Ryabov A.E., Irbakhtina I.S., Aidumova O.Y. Russian Journal of Cardiology. 2020. Vol. 25. No. 4 Pp. 75-78.
9. ANALYSIS OF LONG-TERM RESULTS OF VERTEBRAL ARTERY STENTING IN PATIENTS WITH VERTEBROBASILAR INSUFFICIENCY Dmitriev O.V., Stepanov M.Y., Tereshina O.V., Prozhoga M.G. Diagnostic and interventional radiology. 2020. Vol. 14. No. 2. Pp. 28-37.
10. METHOD OF MANAGING CHRONIC MYELOID LEUKEMIA PATIENTS PRESCRIBED TYROSINE KINASE INHIBITORS Davydkin I.L., Naumova K.V., Zolotovskaya I.A., Osadchuk A.M., Shpigel A.S., Stepanova T.Yu., Kurtov I.V., Danilova O.E., Tereshina O.V., Kuzmina T.P. Patent for invention RU 2693815 C1, 04.07.2019. Application No. 2018124584 dated 04.07.2018.
11. SYNDROMES OF THE CARDIOVASCULAR SYSTEM DISORDERS Shchukin Y.V., Dyachkov V.A., Rubanenko A.O., Piskunov M.V., Rubanenko O.A., Tereshina O.V. Textbook for use in educational institutions implementing the main professional educational programs of higher education at the specialty level 31.05.01 "General Medicine" / Samara, 2019.
12. SUBCLINICAL MYOCARDIAL DYSFUNCTION IN PATIENTS WITH CHRONIC LYMPHOCYTIC LEUKEMIA DURING R-CHOP CHEMOTHERAPY Kuzmina T.P., Davydkin I.L., Tereshina O.V., Khayretdinov R.K., Naumova K.V., Popelnyuk N.S., Kudlay D.A. In the collection: From process management to strategic planning. Collection of scientific papers presented at the scientific and practical conference. 2019. Pp. 113-114.

13. PAINLESS MYOCARDIAL ISCHEMIA IN HEMODYNAMICALLY INSIGNIFICANT CAROTID ARTERY STENOSIS AND STROKE PATIENTS Dyachkov V.A., Tereshina O.V., Usenko E.V., Ryabova E.N., Borzenkova G.A. In the book: Contradictions of modern cardiology: controversial and unresolved issues. Materials of the VIII National Conference with international participation. Samara, 2019. Pp. 92-93.

14. METHODS OF DETECTING THE REDUCTION OF MYOCARDIAL CONTRACTILITY IN ONCOHEMATOLOGICAL PATIENTS DURING THE COURSE OF POLYCHEMOTHERAPY Davydkin I.L., Tereshina O.V., Kuzmina T.P., Naumova K.V., Osadchuk A.M., Osadchuk M.A., Trushin M.V. Online Journal of Health and Allied Sciences. 2019. Vol. 18. No. 3. P. 1-4

15. CHARACTERISTICS OF SOLID-PSEUDOPAPILLARY PANCREATIC TUMOR DIAGNOSIS: THE ROLE OF CONTRAST-ENHANCED ULTRASOUND AND COMPUTED TOMOGRAPHY WITH THREE-DIMENSIONAL MODELING Zelter P.M., Tereshina O.V., Kolsanov A.V., Solovov D.V., Manukyan A.A. Russian Electronic Journal of Radiology. 2019. Vol. 9. No. 3 Pp. 229-234.

16. CARDIOTOXICITY AND METHODS OF ITS DIAGNOSIS IN HEMATOLOGICAL PATIENTS (LITERATURE REVIEW) Kuzmina T.P., Davydkin I.L., Tereshina O.V., Danilova O.E., Shpigel A.S., Betaneli T.S., Naumova K.V., Popelnyuk N.S. Siberian Scientific Medical Journal. 2019. Vol. 39. No. 1. Pp. 34-42.

17. CARDIOPROTECTION FOR PROSTHETICS OF THE AORTA ABDOMINAL REGION IN THE PRESENCE OF AN ANEURYSM Vachev A.N., Gryaznova D.A., Dmitriev O.V., Tereshina O.V., Italtsev A.Yu., Chernovalov D.A., Kozin I.I. Science and innovation in medicine. 2019. Vol. 4. No. 2 Pp. 66-69.

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

International Program accreditation of the EP:
1) Fundamentals of coronary interventions;
2) Heart defects and aortic surgery;
3) Current international recommendations on cardiology;
4) Duplex scanning of the carotid arteries;
5) Current aspects of assessing valvular pathology in echocardiography
based on IAAR standards, is done for the first time.

(V) DESCRIPTION OF THE EEC VISIT

The work of the EEC was performed on the basis of the approved Program of the visit of the expert commission on institutional and program accreditation of educational programs at the SamSMU between 17 and 19 May, 2022.

In order to coordinate the work of the EEC, an introductory meeting was held on 16.05.2022, at the meeting powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of evaluation methods.

To obtain objective information on the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, meetings were held with the rector, vice-rectors of the university responsible for specific areas of activity, heads of structural divisions, heads of departments, teachers, students, graduates, employers.

During the tour, the members of the EEC got acquainted with the state of the logistical and technical base, visited the Department of Histology, the Department of Operative Surgery, Clinical Anatomy and IT, the Department of Anatomy, the Morgue, the Boiling Point center, the

Technopark, the Department of Chemistry, the Department of Biochemistry, the Library, the Gym, the Institute of Innovative Development, Samara Regional Clinical Hospital named after V. D. Seredavin, Samara Regional Clinical Cardiology Dispensary named after V. P. Polyakov.

At the meeting of the IAAR EEC with the target groups of the SamSMU, the mechanisms for implementing the university's policy and specific data presented in the university self-assessment report were clarified.

Over the period of accreditation, classes at the departments of the "Cardiology and ultrasound diagnostics" cluster were not conducted.

Over the accreditation period the members of the EEC visited the following practice bases: the emergency room, the polyclinic and the departments of the Samara Regional Clinical Cardiology Dispensary named after V. P. Polyakov.

In order to confirm the information provided in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this, the experts studied the Internet positioning of the university via its official website https://samsmu.ru /.

Within the framework of the planned program, recommendations for improving the organization of education and accredited educational programs of the SamSMU, developed by the EEC based on the results of the examination, were presented at a meeting with the management on 19/05/2022.

(VI) COMPLIANCE WITH THE STANDARDS OF PROGRAM ACCREDITATION

6.1. The STRATEGIC DEVELOPMENT AND QUALITY ASSURANCE Standard

The evidence

The mission, vision and development strategy of the university were developed taking into account the "Strategy for the Development of Healthcare of the Russian Federation 2015-2030", national projects and are reflected in the strategic academic leadership program "Priority 2030", (validated by the Academic Council of the University in 2021). All information is posted on open-access resources and is available to all stakeholders and the general public.

The mission of the university reflects the aspects of global healthcare and the SamSMU's place in the educational services market. The University occupies leading positions in national and international rankings: in the international rating "ARES 2020" of the European Chamber of Science and Industry the SamSMU has 43rd place among all Russian universities (category A+ - high quality of teaching, scientific activity and employability of graduates (High quality performance)). In the "THE University Impact Rankings 2020" in the area of "Ensuring health and promoting well-being", SamSMU entered the category (201+), taking 5th place among 39 Russian universities. The main stakeholders took part in the development of the mission, its revision and updating: the university administration, teachers, students, employers, representatives of professional medical and pharmaceutical organizations, as well as international experts.

At the university a Commission ensuring the quality and evaluation of educational programs was established upon rector's order, the Commission that includes employers, graduates and students annually reviews and approves educational programs. The University carries out its main activities in accordance with the implemented internal education quality assessment system, taking into account the experience of implementing the ISO 9001:2015 quality management system.

The system of assessing the quality of students' training is based on the mission of the University, corresponds to the development strategy of the university and allows for continuous improvement of the quality of educational programs. The university conducts systematic

monitoring of the results of academic activity, which allows to identify strengths and weaknesses and conduct a full-fledged analysis, its results are discussed by the advisory bodies of the university at various levels with the participation of stakeholders, at scientific and practical and educational conferences. This makes it possible to review strategic development priorities and quality assurance policy in a timely manner, and improve the internal quality assurance system.

Analytical part

EEC experts noted that based on the standard "Strategic development and quality assurance policy" standard and analysis of submitted documentation the cluster of educational programs "Cardiology and ultrasound diagnostics" is mostly in compliance with the requirements of the standard.

The members of the EEC noted that the mission of the cluster of educational programs "Cardiology and ultrasound diagnostics" is defined with the participation of all stakeholders and is imparted to stakeholders and the general public via publication on the official website, on social networks, during interviews.

The university has an internal quality assurance system, the management of educational programs is conducted in accordance with strategic goals and quality assurance policy. The manager responsible for the development and quality of educational programs has been identified. The cluster of educational programs "Cardiology and ultrasound diagnostics" has been developed taking into account national healthcare development programs and the opinions of stakeholders. Revision of the development strategy and quality assurance policy of educational programs happens on a regular basis.

The available material resources of the university and clinical bases are used to the full extent in accordance with the mission and goals of the cluster of educational programs "Cardiology and ultrasound diagnostics".

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

There are no recommendations for this standard.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvements/ unsatisfactory)

strong – 0
satisfactory – 4
need improvements – 0
unsatisfactory – 0

6.2. The "LEADERSHIP AND MANAGEMENT" standard

The evidence

The University has a sufficient number of professional, clinical and research institutes, a university clinic and clinical bases to ensure high-quality training of specialists. The processes of planning, management and allocation of resources are in line with the mission of the SamSMU and its strategic directions. Decisions are made based on monitoring and analysis. Educational program management processes are conducted in accordance with the mission and strategy.

The university defines those responsible for business processes; job descriptions and Individual employment contracts define the duties, responsibilities and rights of each employee.

All structural divisions of the University and advisory bodies are guided by national and internal regulations. The powers, tasks and responsibilities of the University departments correspond to the areas of their activity. The functions of organizational units and collegial

bodies are differentiated, the main stakeholders are involved in the work of collegial bodies. Process outlines are currently under development.

The University annually analyzes the results of its activities in accordance with the approved plans based on the development strategy, the results of the analysis are discussed at the meetings of the Academic Council.

A Risk Management System is being implemented at the University. The evaluation of work processes, monitoring and analysis of performance indicators is carried out, with subsequent changes and adjustments to improve the quality of the academic process.

The implementation of the cluster of educational programs "Cardiology and ultrasound diagnostics" is carried out on the basis of the simulation center of the SamSMU, the SamSMU Clinics, the Samara Regional Clinical Cardiology Dispensary named after V.P.Polyakov. Clinical bases are equipped with modern equipment, all required resources are available for mastering clinical skills.

Analytical part

The EEC experts noted that according to their observations over the period of accreditation and the analysis of the submitted documentation the management processes that are part of the "Leadership and Management" standard mainly comply with the requirements of the standard.

The members of the EEC noted that the main processes of planning and resource allocation at the SamSMU are based on the mission and strategy of the university. The University has adequate numbers of administrative and academic staff for the implementation of the cluster of educational programs "Cardiology and ultrasound diagnostics". Those responsible for the development and quality of the implementation of educational programs have been identified. Employers are customers participate in the development of educational programs and take part in their implementation. The specialized departments evaluate the effectiveness and efficiency of the implementation of educational programs, availability and efficiency of the use of material resources. Heads of departments are accessible for teachers and students, they participate in the educational and clinical process.

Along with this, the experts of the EEC noted that over the past three years, the heads of departments and employees of departments have not taken the continuous professional training course in "Management in Education".

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

The program for the development of CPE employees should include advanced training for managers and employees of the department in educational management .

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 5
need improvements – 1
unsatisfactory – 0

6.3. The "EDUCATIONAL PROGRAM AND LEARNING OUTCOMES" standard

The evidence

The University independently develops educational programs of continuing professional

education taking into account the mission of the university, the requirements of the labor market and the professional community. When developing educational programs, the university is guided by the basic principles of building educational programs: focus on achieving the final learning outcomes and a student-centric competence-based approach.

The learning outcomes for the cluster of educational programs "Cardiology and ultrasound diagnostics" are defined, presented in educational programs and correspond to national and European qualification frameworks. The EP contents are updated in accordance with the requests of employers and take into account international recommendations.

The EP contents for "Current international recommendations on cardiology", "Fundamentals of coronary interventions", "Heart defects and aortic surgery", "Duplex scanning of carotid arteries", "Current aspects of assessing valvular pathology in echocardiography" have been developed taking into account national professional standards and scientific achievements in the specialist area. The academic process mainly uses traditional (lectures, seminars, practical classes) forms and methods of teaching and assessing knowledge.

The university regularly gauges the level of employer and student satisfaction and takes into account the recommendations received from the medical community when making changes to the educational program.

Analytical part

EEC experts noted that based on the "Strategic development and quality assurance policy" standard and the analysis of submitted documentation the cluster of educational programs "Cardiology and ultrasound diagnostics" is mostly in compliance with the requirements of the standard.

The Institute of Professional Education of the university has approved the structure, mechanisms for the development and approval of the EPs in compliance with national legislation. Educational programs comply with national qualification frameworks, professional standards and are updated taking into account the requests from stakeholders and scientific achievements in this area of specialization.

The form and methods of training are focused on learning outcomes and allow students to develop core competencies. Educational programs of this cluster are in demand and have advantages compared to similar programs of other medical universities, as evidenced by the fact that 20% to 30% of students are doctors from other regions. Continuing professional training under these EPs increases the doctors' employability and enhances their potential for of career growth.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

There are no recommendations for this standard.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 7
need improvement – 0
unsatisfactory – 0

6.4. The "ADMISSION OF STUDENTS, ACADEMIC PERFORMANCE, REWARDS AND CERTIFICATION" standard

The evidence

The university has a selection and admission policy, doctors are admitted to educational programs of continuing professional education on a budget-funded or and self-funded basis. In line with the dynamics of the demand for continuing professional educational programs for advanced training, the number of students is limited by area of educational premises, availability of teaching staff, educational and scientific literature and the capacity of the clinical bases. The relevance of advanced training programs for doctors at the university is determined taking into account the requirements of continuing medical education and direct requests from medical organizations.

The university's website contains educational programs for the cluster "Cardiology and ultrasound diagnostics' stating the goals and objectives of educational programs, professional skills and competencies required. Transfer of doctors from other educational programs or academic mobility activities are not part of the courses due to their short duration. Upon completion of training, state recognized certificates of advanced training are issued.

The certificate of advanced training contains information on the title of the program, its labor intensity and qualifications in accordance with the national nomenclature of specialties. The information is entered into the federal register of educational documents.

Analytical part

After a period of observation and the analysis of the submitted documentation EEC experts noted that for the "Admission of students, academic performance, recognition and certification" standard for the cluster of educational programs "Cardiology and ultrasound diagnostics" is mainly in compliance with the requirements of the standard.

The university's admission rules, the EP, competencies to be acquired, evaluation and certification regulations were validated at the meeting of the Academic Council and published on the university's website The certificate of advanced training and the appendix reflect the results of training.

At the same time, the experts of the EEC have not obtained evidence of the introduction of credit point system, the European Credit Transfer and Accumulation System (ECTS) or the modular design of educational programs.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

1. The Institute of Postgraduate Education is recommended to introduce a credit point system.
2. Specialized departments are recommended to develop and implement modular educational programs.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 4
need improvements – 1
unsatisfactory – 0

6.5. The "STUDENT-CENTRIC LEARNING, TEACHING AND EVALUATION" standard

The evidence

For the educational programs of continuing professional education "Current international recommendations on cardiology", "Fundamentals of coronary interventions", "Heart defects and aortic surgery", "Duplex scanning of carotid arteries", "Current aspects of assessing valvular

pathology in echocardiography", individual plans for students are not drawn up due to the short duration of the courses. But students have the opportunity to choose a clinical base for practical training as part of independent work.

Educational and methodological materials of educational programs, criteria for evaluating educational achievements are relevant and available to students in electronic form. The contents and methodological support of the thematic plans for the cluster of educational programs "Cardiology and ultrasound diagnostics" are focused on learning outcomes. The forms and methods of teaching at the departments are mostly traditional, various information platforms and the capacities of the simulation center are deployed.

Monitoring and evaluation academic achievements for student of continuing professional education programs are in the form of surveys, written or computerized tests, situational tasks and practical skills exams.

The degree of customer satisfaction at the university is gauged via an anonymous diagnostic questionnaire at the end of each continuing professional education course.

Analytical part

EEC experts noted that based on the "Strategic development and quality assurance policy" standard and the analysis of submitted documentation the cluster of educational programs "Cardiology and ultrasound diagnostics" is mostly in compliance with the requirements of the standard.

Objectives and contents of educational programs "Current international recommendations on cardiology", "Fundamentals of coronary interventions", "Heart defects and aortic surgery", "Duplex scanning of carotid arteries", "Current aspects of assessing valvular pathology in echocardiography", teaching materials, criteria for evaluating achievements are relevant, focused on learning outcomes, posted on the university's website and are available to students. Specialized departments have feedback sessions with students to assess the level of satisfaction with the quality and learning environment.

But the EEC experts have not obtained evidence of the use of innovative teaching and learning technologies in the educational process. During interviews the teachers could not demonstrate full awareness of the current interactive methods of teaching and assessment.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

1. The management of the Institute of Postgraduate Education to include innovative educational technologies in teaching and evaluation of learning outcomes into the development plan for teaching staff
2. Specialized departments are recommended to revise the forms and methods of teaching and introduce innovative interactive teaching methods and evaluation of final results.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 4
need improvements – 1
unsatisfactory – 0

6.6. The "TEACHERS" standard

The evidence

The university pays great attention to the professional potential of staff and teachers, there is a policy of selection and admission of personnel, competitions for teaching and other positions; qualification requirements for the positions of the teaching staff are based on federal regulations. The employment contracts are fixed-term, they are extended subject to the effective performance of official duties, as well as active scientific and clinical work. Academic qualifications and professional experience of teachers meet the requirements and objectives of educational programs.

Teachers' participation in the development of educational programs is ensured during the discussion of programs at the department and the meetings of the Methodological Council. The university has developed advanced scientific and pedagogical schools of theoretical and clinical specialization.

Conditions have been created for the professional development of teachers and staff, for the implementation of scientific research. Newly hired teachers undergo primary pedagogical specialization. Over the past three years, the teaching staff of the departments have undergone advanced training in the organization of distance learning, the use of distance technologies and e-learning, digital technologies, teaching specialized disciplines and inclusive education. The University uses non-monetary and monetary incentives to motivate teachers to introduce advanced technologies in educational, scientific and clinical processes.

Analytical part

EEC experts noted that based on the "Strategic development and quality assurance policy" standard and the analysis of submitted documentation the cluster of educational programs "Cardiology and ultrasound diagnostics" is mostly in compliance with the requirements of the standard.

All teachers of the educational programs "Current international recommendations on cardiology", "Fundamentals of coronary interventions", "Heart defects and aortic surgery", "Duplex scanning of carotid arteries", "Current aspects of assessing valvular pathology in echocardiography" have gone through a competitive selection process, have signed employment contracts and have valid job descriptions.

The managers of educational programs are heads of departments, doctors of medical sciences, professors, doctors of the highest category specializing in the disciplines being taught. The development of educational programs is a collective endeavor of teacher specialists in this area of specialization, programs are discussed at meetings of the department and reviewed by employers.

EEC experts noted that the Institute of Professional Education focuses on improving clinical professional qualifications.

But the EEC experts have not obtained evidence of the qualification level improvement for the teaching staff at the departments in terms of innovative interactive methods of teaching and assessment of knowledge over the past three years, or evidence of their participation in medical education research or conferences on medical education.

Strengths/Best practices:

Highly professional teaching staff implementing the EP for the cluster "Cardiology and ultrasound diagnostics".

Recommendations of the EEC:

1. The Institute of Professional Education is recommended to conduct research in the field of medical education.
2. The Director of Personnel Management and Corporate Development to include improvement of pedagogical qualifications abroad into the professional development plan of the teaching staff of the IPE departments.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 1
satisfactory – 4
need improvements – 1
unsatisfactory – 0

6.7. The EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM" standard

The evidence

The University has an up-to-date logistical and technical base, which is being developed and improved taking into account the needs of the academic, scientific and clinical processes. The realization of continuing professional education is in line with the requirements for material, educational, methodological, information support in all disciplines of educational programs. Teaching materials correspond to the contents of educational programs and are available on the university's website.

The implementation of educational programs for the cluster "Cardiology and ultrasound diagnostics" is carried out on the basis of the Samara Regional Clinical Hospital named after V.D.Seredavin and Samara Regional Clinical Cardiology Dispensary named after V.P.Polyakov, providing specialized and high-tech medical care to the population of the Samara region and other regions of the Russian Federation. The clinics use innovative methods of diagnostics and treatment of therapeutic and surgical patients.

The educational process includes distance-learning methods for lectures and consultations. For online learning there are premises with the Internet access and the access to the SamSMU electronic information and educational environment. Students have individual access to licensed electronic library systems "Doctor's Consultant", "University Library online", "National Electronic Library". The library also provides access to modern scientific databases, bibliographic and informational reference systems.

The university is also actively introducing automation of the educational process, developing service systems for contact with students. Support and consultations for students of continuing professional education is provided by the administration and teaching staff of the departments. Consultation for students on continuing training programs are provided through the information system and the continuing medical education website.

Analytical part

EEC experts noted that after a period of observation and the analysis of documentation provided for the "Educational resources and student support system" standard the cluster of educational programs "Cardiology and ultrasound diagnostics" is mainly in compliance with the requirements of the standard.

The educational programs are provided with the necessary educational and methodological resources. Educational and methodological systems are relevant, correspond to the contents of the EP and are posted on the university's website. Material and information resources are sufficient for the implementation of the OP, the quality of medical and non-medical equipment meets current requirements of the academic process and allows to achieve the planned learning outcomes.

Teachers and students have access to information and communication technologies. Training conditions and student support ensure the high quality of training.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

There are no recommendations for this standard.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 6
need improvements – 0
unsatisfactory – 0

6.8.The "INFORMING THE PUBLIC" standard

The evidence

The University annually submits reports on the results of its activities to the Academic Council of the University, the Ministry of Health, the Federal Service for Supervision of Education and Science and other authorized bodies of the Russian Federation.

The university Informs the public about the results of its activities, achievements and development plans, including the educational programs of higher and continuing professional education and competency assessment procedures via the university's website, the mass media and social networks. The information is regularly updated. Information about the university is presented on the university's website in two languages - Russian and English. The SamSMU has an official Vkontakte page. The responsibility for informing the public is assigned to the university management, which ensures that the published information is up-to-date, reliable and objective.

The University presents on its website and in the media the results of external quality assessment, monitoring of educational programs of continuing professional education and the results of feedback analysis for the stakeholders

The legal nature of contractual relations between the university and the students is reflected in the standard agreement on training as part of continuing education programs and is defined by the relevant provisions of the university. The contractual relationship between the institution and the teachers is reflected in the employment contract.

Analytical part

EEC experts noted that for the "Informing the public" standard the cluster of educational programs "Cardiology and ultrasound diagnostics" is mainly in compliance with the requirements of the standard.

To inform the main stakeholders and the general public, the University publishes objective and relevant information on the website, in the media and social networks. Information about the EP is documented and available.

The results of external quality assessment of academic activities and monitoring of the EP implementation are published on the university's website.

Contractual relations with employees and students are documented in accordance with federal legislation.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

There are no recommendations for this standard.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/need improvements/ unsatisfactory)

strong – 0

satisfactory – 5
need improvement – 0
unsatisfactory – 0

6.9. The "CONTINUOUS MONITORING AND PERIODIC EVALUATION OF THE PROGRAM" standard

The evidence

The Institute of Professional Education, the Quality Monitoring Department of the university and the departments monitor the implementation of educational programs and the final learning outcomes in order to improve the quality and meet the needs of students and the expectations of the society.

Students of continuing professional education are surveyed with the help of the information systems at the end of the training cycle. The most important criterion for assessing the quality of education is the external examination of educational programs done via peer review.

The university evaluates and reviews educational programs of continuing professional education in accordance with the requirements of current regulations. The university administration holds meetings with students, graduates, teachers and employers in order to identify and solve problems of continuing professional education and educational programs. Customer satisfaction is taken into account by interviewing and questioning students and graduates, teachers. In 2021, the level of satisfaction of students in continuing professional educational at the university was 80%, for teachers it was 97%. Employers' satisfaction with the clinical skills of the CPE program graduates was 85%.

The results of the EP evaluation are discussed at meetings of the departments, at the Educational and Methodological Council meetings and are taken into account when adjusting the contents of disciplines, optimizing the organization of the educational process, the forms and methods of teaching. The results of the final assessment of students are discussed at the meetings of the departments.

On the recommendation of employers, the principles of bioethics and medical deontology, medical institution operation, the sanitary regulations in medical institutions, etc. were included in the educational programs of continuing professional education courses.

Analytical part

EEC experts noted after a period of observation and the analysis of documentation provided for the "Constant monitoring and regular evaluation" standard that the cluster of educational programs "Cardiology and ultrasound diagnostics" is mainly in compliance with the requirements of the standard.

The University evaluates the quality of continuing professional education on the basis of the mechanisms for collecting and analyzing information contained in the Regulations on Internal independent assessment of the Quality of Education". The Quality Monitoring Department is in charge of this process. The monitoring results are discussed by the collegial advisory bodies of the university and form the basis for improvements to the EP. All changes to educational programs are posted on the university's website.

Strengths/Best practices:

No strengths have been identified for this standard.

Recommendations of the EEC:

There are no recommendations for this standard.

The conclusions of the EEC based on the criteria: (strong/ satisfactory/ need improvement/ unsatisfactory)

strong – 0
satisfactory – 5
need improvements – 0
unsatisfactory – 0

(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD

The STRATEGIC DEVELOPMENT AND QUALITY ASSURANCE Standard
No strengths have been identified for this standard.

The "LEADERSHIP AND MANAGEMENT" standard
No strengths have been identified for this standard.

The "EDUCATIONAL PROGRAM AND LEARNING OUTCOMES" standard
No strengths have been identified for this standard.

The "ADMISSION OF STUDENTS, ACADEMIC PERFORMANCE, REWARDS AND CERTIFICATION" standard
No strengths have been identified for this standard.

The "STUDENT-CENTRIC LEARNING, TEACHING AND EVALUATION" standard
No strengths have been identified for this standard.

The "TEACHERS" standard
Highly professional teaching staff implementing the EP for the cluster "Cardiology and ultrasound diagnostics".

The EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM" standard
No strengths have been identified for this standard.

The INFORMING THE PUBLIC standard
No strengths have been identified for this standard.

The CONTINUOUS MONITORING AND PERIODIC EVALUATION OF THE PROGRAM standard
No strengths have been identified for this standard.

(VIII) OVERVIEW OF RECOMMENDATIONS FOR QUALITY IMPROVEMENT

The STRATEGIC DEVELOPMENT AND QUALITY ASSURANCE standard
There are no recommendations for this standard.

The LEADERSHIP AND MANAGEMENT standard
The program for the employee development should include advanced training for managers and employees of the department in educational management.

The EDUCATIONAL PROGRAM AND LEARNING OUTCOMES standard
There are no recommendations for this standard.

The ADMISSION OF STUDENTS, ACADEMIC PERFORMANCE, REWARDS AND CERTIFICATION standard

- The Institute of Postgraduate Education is recommended to introduce a credit point system.
- Specialized departments are recommended to develop and implement modular educational programs.

The STUDENT-CENTRIC LEARNING, TEACHING AND EVALUATION standard

- The management of the Institute of Postgraduate Education to include innovative educational technologies in teaching and evaluation of learning outcomes into the development plan for teaching staff
- Specialized departments are recommended to revise the forms and methods of teaching with the introduction of innovative interactive teaching methods and evaluation of final results.

The TEACHERS standard

- The Institute of Professional Education is recommended to conduct research in the field of medical education.
- The Director of Personnel Management and Corporate Development to include improvement of pedagogical qualifications abroad into the professional development plan of the teaching staff of the IPE departments.

The EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM standard
There are no recommendations for this standard.

The INFORMING THE PUBLIC standard
There are no recommendations for this standard.

The CONTINUOUS MONITORING AND PERIODIC EVALUATION OF THE PROGRAM standard
There are no recommendations for this standard.

(IX) OVERVIEW OF RECOMMENDATIONS FOR THE DEVELOPMENT OF THE ORGANIZATION OF EDUCATION

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(X) RECOMMENDATION TO THE ACCREDITATION COUNCIL

Appendix 1. Evaluation table "PROGRAM PROFILE PARAMETERS"

№		International IAAR Standards ESG Part 1.	The position of the organization of education			
			Strong	Satisfactory	Needs improvement	Unsatisfactory
Standard 1. STRATEGIC DEVELOPMENT AND QUALITY ASSURANCE POLICY						
1.	1	The institution has developed its mission, vision, development strategy and quality assurance policy based on the analysis of external and internal factors with the broad involvement of various stakeholders.		+		
2.	2	The organization has a functioning internal quality assurance system		+		
3.	3	The organization's management processes for the EP are in accordance with the Strategy and Policy for Quality assurance, which ensures the quality of the EP as a whole.		+		
4.	4	The organization is consistent in reviewing the development strategy, quality assurance policy and improving the internal quality assurance system.		+		
Standard 2. "LEADERSHIP AND MANAGEMENT"						
5.	1	The institution organizes CPE management processes including the planning and allocation of resources, in accordance with its mission and strategy.		+		
6.	2	The institution guarantees the availability of appropriate administrative and academic staff for the implementation of the EP, proper management and allocation of resources.		+		
7.	3	The institution has identified those responsible for business processes, ensures unambiguous distribution of staff responsibilities, differentiation of functions of collegial bodies, involvement of key stakeholders in the work of collegial management bodies, innovation management within the framework of CPE/EP management.		+		
8.	4	The institution develops annual activity plans based on the development strategy, and analyzes the effectiveness of changes within the framework of CPE/EP management.		+		
9.	5	The organization has a mechanism for identifying risks and making decisions based on the analysis and a procedure for regularly checking the effectiveness of implemented decisions and measures.		+		

10.	6	The institution ensures openness and accessibility of managers and administration for students, teachers and other stakeholders, and provides training to management and employees via the "Management in Education" programs.			+	
Standard 3. EDUCATIONAL PROGRAM AND LEARNING OUTCOMES						
11.	1	The organization has mechanisms for the development and approval of the EP. The EP is designed in accordance with the established goals, including learning outcomes. The general structure, composition and duration of the EP are determined, the components are clearly defined, ensuring integration of practice and theory, the requirements of national legislation are taken into account.		+		
12.	2	The learning outcomes of the EP are clearly defined, explained and take into account the national qualifications framework, and the qualifications framework of the European Higher Education (FQ-EHEA).		+		
13.	3	The development and updating of the content of the EP is in accordance with the needs of the international labor market and the requests of stakeholders: the state, society, employers and students.		+		
14.	4	The contents of the program, its components (modules/disciplines) are logically linked, take into account professional standards and scientific achievements in the subject area of knowledge and are focused on learning outcomes.		+		
15.	5	Types of educational activities, teaching methods, interdisciplinarity and practice-oriented components of the EP, cooperation with scientific and educational organizations ensure the achievement of learning goals and results.		+		
16.	6	The institution ensures the EP has competitive advantage (based on comparison with similar programs in terms of contents, target audience, learning outcomes and cost) in the education and labor market (regional/national/international).		+		
17.	7	The institution ensures the effectiveness of training, professional development of graduates and the potential relevance of the EP.		+		
Standard 4. ADMISSION OF STUDENTS, ACADEMIC PERFORMANCE, REWARDS AND CERTIFICATION						
18.	1	The organization has pre-defined, published and consistently applied rules governing all periods of the student's lifecycle i.e. admission, academic performance, rewards and certification.		+		
19.	2	Admission regulations are defined, they take into account the characteristics of the target groups and support the achievement of the EP goals		+		
20.	3	The objectives of the EP are available, accessible to students and cover skills and professional competencies.		+		
21.	4	The institution should apply the European Credit Transfer and Accumulation System (ECTS) and implement modular design of the EP.			+	

22.	5	The certificate and the appendix/transcript reflect the learning outcomes. Recognition of learning outcomes is applied taking into account the Convention on the Recognition of Qualifications concerning Higher Education in the European Region (Lisbon, 2017)		+		
Standard 5. STUDENT-CENTRIC LEARNING, TEACHING AND EVALUATION						
23.	1	The organization ensures the adequacy and feasibility of the individual plan for students, its important role in the development of the educational process, and takes into account the interests, needs and characteristics of students.		+		
24.	2	The organization flexibly uses various teaching and learning methods, including innovative ones, which ensure faster progress for students.			+	
25.	3	Educational and methodological materials of the EP, criteria for evaluating educational achievements are relevant and available for students in electronic form, they focus on learning outcomes.		+		
26.	4	The rules and forms of control and assessment of educational achievements correspond to the planned learning outcomes. The organization ensures that the established learning outcomes are achieved by students.		+		
27.	5	The institution conducts regular feedback sessions with students in order to gauge the level of satisfaction with the quality of education and learning environment.		+		
Standard 6. TEACHERS						
28.	1	The institution has objective and transparent processes of recruitment and professional development of staff to ensure the appropriate level of teacher competence in order to achieve the planned learning outcomes.		+		
29.	2	The institution ensures the compliance of academic and pedagogical qualifications and professional experience of teachers with the requirements and goals of the EP and allows flexible adaptation to changing requirements.	+			
30.	3	The institution ensures internal interaction and cooperation of teachers on a systematic basis in order to develop and integrate the components of the EP (modules/disciplines) with its goals and planned learning outcomes.		+		
31.	4	The institution uses various methods of motivating teachers to make extensive use of innovations and advanced technologies.		+		
32.	5	The institution has developed and implements a program of professional development for teachers and staff (professional and pedagogical qualifications); evaluation and recognition of their academic activities.			+	
33.	6	The institution is responsible for the quality of work and provides favorable conditions for the effective work of teachers and staff.		+		
Standard 7. EDUCATIONAL RESOURCES AND STUDENT SUPPORT SYSTEM						

34.	1	The institution ensures that the necessary, accessible and relevant educational resources are available. Educational and methodological materials are relevant and correspond to the content of the EP.		+		
35.	2	Material, financial, information resources and student support services are available for the implementation of the EP and help achieve the planned learning outcomes. The quantity and quality of media, laboratory and IT equipment in classrooms meet the needs of the EP		+		
36.	3	The institution regularly evaluates and updates the material and technical equipment and appliance for compliance with the requirements of the EP and ensuring the quality of training.		+		
37.	4	The institution creates conditions for teachers and students to make extensive use of existing and new information and communication technologies in the educational process, in self-study, communication with colleagues, and provides access to relevant data and information systems.		+		
38.	5	Teachers have access to the resources necessary for planning and implementing teaching methods, evaluating students, and developing innovations as parr of training programs. Teachers and staff, including the EP manager provide academic and consulting support to students on a regular basis.		+		
39.	6	The learning environment and student support system ensure that the planned learning outcome are achieved.		+		
Standard 8. INFORMING THE PUBLIC						
40.	1	The institution informs the public about its activities (including in relation to the EP). The information provided is clear, reliable, objective, relevant and accessible.		+		
41.	2	The institution uses a variety of ways to disseminate information (including mass media, Internet resources, information networks, etc.) to inform the general public and the stakeholders.		+		
42.	3	The organization uses Internet resources to promote the organization and the EP. Information about the EP (admission requirements and procedures, program components (modules/disciplines), control and evaluation procedures, etc., are properly documented and published taking into account the specific needs of students.		+		
43.	4	The institution informs the public about the results of monitoring and realization of the EP, the results of stakeholder feedback analysis, external evaluations of the quality of CPE/EP.		+		
44.	5	The institution demonstrates transparency and legal nature of contractual relations between the university and the students, the university as the employer and the teachers.		+		
Standard 9. CONTINUOUS MONITORING AND REGULAR EVALUATION OF THE PROGRAM"						
45.	1	The institution monitors and regularly evaluates the continuing professional training program to ensure that its goals are achieved and that it meets the needs of students and the society.		+		

46.	2	The institution has mechanisms for collecting and analyzing information about its activities, uses the information obtained for the internal quality assurance system. The institution ensures the involvement of students and employees in the process of collecting, analyzing information and planning subsequent procedures When collecting information, the institution takes into account the following: - key performance indicators -information about the students - academic performance, student achievements and cases of expulsion - level of student satisfaction with the EP and its contents - availability of educational resources and student support services - professional development of the EP graduates.		+		
47.	3	The institution constantly monitors the educational program based on the definition and implementation of the evaluation mechanism of the EP, its contents, taking into account the mission and planned learning outcomes, as well as the assessment of knowledge and skills acquired, the available educational resources.		+		
48.	4	The results of monitoring and regular evaluation of the EP, monitoring the requests of students and employers lead to continuous improvement of the EP. All stakeholders are informed about the planned actions or those already taken in relation to the EP.		+		
49.	5	External evaluation is carried out in accordance with recognized quality standards on a regular basis, the results are imparted to students and contribute to the quality improvement process.		+		
	Total		**1**	**44**	**4**	**0**