

PROF. VADIM ANATOLIEVITCH KOSOLAPOV M. D. (VOLGOGRAD STATE MEDICAL INSTITUTE, VOLGOGRAD, RUSSIA),
PH.D. IN PHARMACOLOGY, CLINICAL PHARMACOLOGY (VOLGOGRAD MED. ACADEMY, RUSSIA),
DR. SCI. MED. IN PHARMACOLOGY, CLINICAL PHARMACOLOGY (VOLGOGRAD STATE MED. UNIV.,
RUSSIA)
PROFESSOR IN PHARMACOLOGY (VOLGOGRAD STATE MED. UNIV., RUSSIA)

CURRICULUM VITAE

NAME: VADIM ANATOLIEVITCH KOSOLAPOV

BORN: SEPTEMBER 19, 1968, VOLGOGRAD, RUSSIA

CITIZENSHIP / NATIONALITY: RUSSIAN FEDERATION / RUSSIAN

PLACE OF WORK:

DEPARTMENT OF PHARMACOLOGY AND BIOINFORMATICS, VOLGOGRAD STATE MEDICAL UNIVERSITY, PAVSHIKH BORTSOV SQUARE, 1, VOLGOGRAD, 400131, RUSSIAN FEDERATION
SCIENTIFIC CENTER FOR INNOVATIVE MEDICINES, VOLGOGRAD STATE MEDICAL UNIVERSITY, PAVSHIKH BORTSOV SQUARE, 1, VOLGOGRAD, 400131, RUSSIAN FEDERATION

CURRENT POSITIONS:

PROFESSOR OF PHARMACOLOGY FOR THE DEPARTMENT OF PHARMACOLOGY AND BIOINFORMATICS OF THE VOLGOGRAD STATE MEDICAL UNIVERSITY, VOLGOGRAD, RUSSIAN FEDERATION
HEAD OF LABORATORY FOR METABOTROPIC DRUGS FOR THE SCIENTIFIC CENTER FOR INNOVATIVE MEDICINES OF THE VOLGOGRAD STATE MEDICAL UNIVERSITY, VOLGOGRAD, RUSSIAN FEDERATION



ACADEMIC RANK: PROFESSOR

WEB LINKS:

WOS ResearcherID: [E-6559-2016](#)
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EDUCATION

ADDRESS AND CURRENT NAME OF THE UNIVERSITY

09/1986 – 06/1992	Doctor of Medicine (M.D.) , Faculty of General Medicine, Volgograd State Medical Institute (VGMI), Volgograd, Russia, Diploma TB № 396191, June 25, 1992. (Russian: <i>Волгоградский государственный медицинский институт, Волгоград – Volgogradskii Gosudárstvennyi Institut</i>)	Volgograd State Medical University (VoISMU) – <i>Volgográdskii Gosudárstvennyi Meditsínskii Universitét</i> ; 1, Pavshikh Bortsov sq., 400131 Volgograd, Russian Federation (Management)
10/1992 – 07/1995	Postgraduate Study (PhD) , Volgograd Medical Academy (VMA), Department of Pharmacology, Volgograd, Russia. (Russian: <i>Волгоградская Медицинская Академия, Волгоград – Volgográdskaya Meditsínskaya Akadémiya</i>)	Volgograd State Medical University (VoISMU) – <i>Volgográdskii Gosudárstvennyi Meditsínskii Universitét</i> ; 1, Pavshikh Bortsov sq., 400131 Volgograd, Russian Federation (Management)
5/1995	Ph.D. in Pharmacology, Clinical Pharmacology (<i>candidate of medical sciences</i> – name of the academic degree as used in Russia), Volgograd Medical Academy (VMA) , Diploma KT № 009526, July 07, 1995. (Russian: <i>Волгоградская Медицинская Академия, Волгоград – Volgográdskaya Meditsínskaya Akadémiya</i>)	Volgograd State Medical University (VoISMU) – <i>Volgográdskii Gosudárstvennyi Meditsínskii Universitét</i> ; 1, Pavshikh Bortsov sq., 400131 Volgograd, Russian Federation (Management)
6/2005	Dr. Sci. Med. degree in Pharmacology, Clinical Pharmacology (<i>doctor of medical sciences</i> – name of the academic degree as used in Russia), Volgograd State Medical University (VoISMU) , Diploma ДК № 027773, November 11, 2005. (Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград –</i>	Volgograd State Medical University (VoISMU) – <i>Volgográdskii Gosudárstvennyi Meditsínskii Universitét</i> ; 1, Pavshikh Bortsov sq., 400131 Volgograd, Russian Federation

*Volgográdskij Gosudárstvennyj Meditsínskij
Universitet)*

PROFESSIONAL BACKGROUND		ADDRESS
09/1994 - 09/1996	Lecturer, Volgograd State Medical Academy, Department of Pharmacology, Volgograd State Medical Academy Part-time researcher, Laboratory for Antioxidants Pharmacology, Research Institute for Pharmacology of Volgograd State Medical Academy (Russian: <i>Волгоградская Государственная Медицинская Академия, Волгоград – Volgográdskaya Gosudárstvennaya Meditsínskaya Akademiya</i>)	Department of Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation Research Insti. for Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
09/1996 - 09/2001	Head of Laboratory for Antioxidants Pharmacology, Research Institute for Pharmacology of Volgograd State Medical Academy Part-time Senior Lecturer, Department of Pharmacology, Volgograd State Medical Academy (Russian: <i>Волгоградская Государственная Медицинская Академия, Волгоград – Volgográdskaya Gosudárstvennaya Meditsínskaya Akademiya</i>)	Research Inst. for Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation Department of Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
09/2001 - 10/2005	Associate Professor, Department of Pharmacology, Volgograd State Medical University, Head of Laboratory for Antioxidants Pharmacology, Research Institute for Pharmacology, Volgograd State Medical University (Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgográdskiy Gosudárstvennyj Meditsínskiy Universitet)</i>	Department of Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation Research Inst. for Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
10/2005 - 10/2019	Full Professor, Department of Pharmacology and Bioinformatics, Volgograd State Medical University, Head of Laboratory for Antioxidants Pharmacology, Research Institute for Pharmacology of Volgograd State Medical University (Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgográdskiy Gosudárstvennyj Meditsínskiy Universitet)</i>	Department of Pharmacology and Bioinformatics, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation Research Inst. for Pharmacology, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation
10/2019 - Present	Full Professor, Department of Pharmacology and Bioinformatics, Volgograd State Medical University, Head of Laboratory for Metabotropic Drugs, Scientific Center for Innovative Medicines, Volgograd State Medical University (Russian: <i>Волгоградский Государственный Медицинский Университет, Волгоград – Volgográdskiy Gosudárstvennyj Meditsínskiy Universitet)</i>	Department of Pharmacology and Bioinformatics, Volgograd State Medical University, Pavshikh Bortsov sq. 1, 400131 Volgograd, Russian Federation Scientific Center for Innovative Medicines, Volgograd State Medical University, Novorossiyskaya Str., 39, 400087 Volgograd, Russian Federation

RESEARCH INTERESTS

- Diabetes Mellitus** (*investigation of new targets for the therapy of Diabetes II*)
- Free Radical Pharmacology** (*investigation of novel antioxidant compounds, pharmacology of free radical processes and pathologies*)

3. Neuropsychopharmacology (*neurobiological basis of medicine that affects the psychological/mental/cognitive/neurological behavior of the brain*)

AWARDS		
09/2010	The Certificate of Honor of the Executive Committee of the Volgograd Regional Council of Trade Unions 2010 for a significant contribution to the training of health professionals, for active and fruitful work aimed at solving social problems of the staff and students	Executive Committee of the Volgograd Regional Council of Trade Unions , Volgograd, Russian Federation
09/2015	The Head of Administration of the Volgograd Region Certificate 2015 for Years of diligent work.	Head of Administration of the Volgograd Region , Volgograd, Russian Federation
04/2019	The Head Volgograd Regional Organization of the Trade Union of Health Workers of the Russian Federation Certificate of appreciation 2019 for many years of conscientious work	Head of the Volgograd Regional Organization of the Trade Union of Health Workers of the Russian Federation , Volgograd, Russian Federation
05/2020	Gratitude of the Minister of Health of the Russian Federation 2020 for merits in the field of health care and many years of conscientious work	Minister of Health of the Russian Federation , Moscow, Russian Federation
09/2023	Honorary Diploma of the Volgograd Regional Duma 2023 for many years of conscientious work, high professionalism and in connection with the 55th anniversary	Volgograd Regional Duma , Volgograd, Russia

MEMBERSHIPS

1	RUSSIAN SCIENTIFIC SOCIETY OF PHARMACOLOGISTS	(regular member from 1992 till present, secretary of the Volgograd Branch from 2018 till present)
2	Specialized Scientific Council on defend a doctoral thesis at the Volgograd State Medical University	(regular member from 2006 till present)
3	Expert Council on Medical, Biological and Pharmaceutical Sciences of the Higher Attestation Commission of the Russian Federation	(regular member from 2022 till present)

RESEARCH PROJECTS (COMPLETED AND ON-GOING)

TITLE	SOURCE	TOTAL FUNDS	ROLE (PRINCIPLE / CO-RESEARCHER)	YEARS, DURATION
1. Research and development of new cerebroprotective drug on the basis of substances with antioxidant properties for the correction of the higher nervous activity resulting from hypoxic and ischemic damages (Volgograd State Medical University, Russian Federation)	Government of Russian Federation, Ministry of Health of the Russian Federation, The Federal Target Program " Research and development on priority directions of science and engineering of civil purpose, "Project 01," Pharmacological regulation of the receptor formations» Moscow (Russian Foundation)	30,000.00 Russian Roubles	Co-researcher	1999-2001 Completed

2. The development of the novel drug on the basis of the drug extract of <i>Gymnema sylvestre</i> (Volgograd State Medical University, Russian Federation)	Industrial Grant from «OOO SKS Alians», Moscow (Russian Foundation)	2,230,000.00 <i>Russian Roubles</i>	Project leader	2005 Completed
3. The study of the potential combined preparation Pikacidol to improve memory and prevent aging (Volgograd State Medical University, Russian Federation)	Industrial Grant from «OOO Consorciun-PIK, Moscow (Russian Foundation)	21,000.00 <i>Russian Roubles</i>	Project leader	2005 Completed
4. The study of the toxicological and pharmacological properties of the new biologically active food supplement "Feel-Young" (Volgograd State Medical University, Russian Federation)	Industrial Grant from "Russian Research Institute of Health", Moscow (Russian Foundation)	155,579.00 <i>Russian Roubles</i>	Project leader	2003-2004 Completed
5. Studying the influence of drugs of ultra-low doses of antibodies to obesity in mice (Volgograd State Medical University, Russian Federation)	Industrial Grant from OOO NPF Materia Medica Holding Moscow (Russian Foundation)	183,900.00 <i>Russian Roubles</i>	Project leader	2008-2009 Completed
6. The study of neuroprotective effects and metabolism of new compound VIK-102	Industrial Grant from «OOO Consorciun-PIK, Moscow (Russian Foundation)	294,000.00 <i>Russian Roubles</i>	Project leader	2009 Completed
7. The All-Russian scientific-practical seminar for young scientists "Methodological aspects of experimental and clinical pharmacology"	Research grant (№ 09-04-06068) Russian Foundation for Basic Research (RFBR)	120,000.00 <i>Russian Roubles</i>	Project leader	2009 Completed
8. Research and development of new advanced materials and nanoscale technologies (Volgograd State Medical University, Russian Federation)	State Research Grant State Contract №362/2 30.11.2009), Government of the Volgograd region (Russian Foundation)	3,000,000.00 <i>Russian Roubles</i>	Co-researcher	30.11.2009 - 31.12.2009 Completed
9. Optimizing the pharmacological properties of the antioxidant agents	State Research Grant of Government of the Volgograd region (Russian Foundation)	300,00.00 <i>Russian Roubles</i>	Principle	2013 Completed
10. Preclinical studies of the drug with kappa-opioid agonist activity based imidazobenzimidazol derivative (Volgograd State Medical University, Russian Federation)	Government of Russian Federation, Ministry of Industry and Trade of the Russian Federation, Activity "Preclinical studies of innovative medicinal products" of the federal target program "Development of the pharmaceutical and medical industry of the Russian Federation for the period up to 2020 and beyond", State contract No. №11411.1008700.13.090 Moscow (Russian Foundation)	44,000,000.00 <i>Russian Roubles</i>	Co-researcher	2011-2013 Completed
11. Developing a system of target-oriented discovery	Research grant (№ 14-25-00139) Russian Science	52,805,000.00 <i>Russian Roubles</i>	Co-researcher	2014-2016 Completed

- of biologically active compounds that affect the pathogenetically important links of carbohydrate metabolism disorder in type 2 diabetes mellitus, using the technology of in silico modeling and medicinal chemistry (Volgograd State Medical University, Russian Federation).
- Foundation (RSF)** *Roubles*
12. Preclinical studies of a drug acting on collagen glycation end-products (AGE) and their receptors (RAGE) for the prevention and treatment of diabetes complications (Ural Federal University named after the first President of Russia B.N. Yeltsin, Ekaterinburg; Volgograd State Medical University, Volgograd, Russian Federation). **Government of Russian Federation, Ministry of Science and Higher Education of the Russian Federation, Activity 2.5 "Preclinical studies of innovative medicinal products" of the federal target program "Development of the pharmaceutical and medical industry of the Russian Federation for the period up to 2020 and beyond" (VII stage-2) State contract No. 14.N08.11.0204 of 27, November 2017, Moscow (Russian Foundation)** *44,000,000.00 Russian Roubles* **Project leader** 2017-2019 **Completed**
13. Medical chemistry in the creation of new generation drugs for the treatment of socially significant diseases ((participant of the Federal State Budgetary Educational Institution of Higher Education VolgGMU of the Ministry of Health of Russia" (according to application No. 2020-1902-01-014) (as part of the consortium: VolgGMU, IOS UB RAS (head), UrFU, IOCh RAS, IFAV RAS, IPCP RAS, NIOC SB RAS, Kazan Scientific Center of IFOC). **Grant of the Ministry of Education and Science of Russia (Agreement No. 075-15-2020-777 dated October 01, 2020)** for conducting major scientific projects in priority areas of scientific and technological development within the framework of the subprogram "Fundamental scientific research for long-term development and ensuring the competitiveness of society and the state" of the state program Russian Federation "Scientific and technological development of the Russian Federation" *300,000,000.00 Russian Roubles* **Project leader** 2020-2023 **On-going**

UNDERGRADUATE SUPERVISION (INCLUDES CO-SUPERVISION)

STUDENT (NAME AND MATRIC NO.)	TITLE	LEVEL OF STUDY, COURSE CODE	SUPERVISORY STATUS (MAIN/CO-SUPERVISOR)	PROJECT STATUS (*COMPLETED, *ON-GOING)
1. Sazonova M.V.	Screening and study of antioxidant activity of new heterocyclic compounds by in vitro methods	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2005-2006 Completed
2. Sheshegova Y.P.	The study of antioxidant activity of new derivatives of benzimidazole by in vitro techniques	Diploma research project, Volgograd State Medical University	Main	2006-2007 Completed

3.	Sroslov M.S.	Antioxidant and antiradical properties of new chemical compounds of pyrrolo[1, 2-a]benzimidazoles	(Volgograd, Russia) Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2006-2007 Completed
4.	Sherban` A.V.	Antioxidant activity N1-morpholine derivatives of pyrrolo [1, 2-a] benzimidazole in vitro and ex vivo	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2006-2007 Completed
5.	Makarenko V.I.	The search of highly antioxidative substances in a series of pyrrolo[1,2-a]benzimidazoles	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2008-2009 Completed
6.	Rud` N.S.	Impact of new substances on the glutathione system in animals with experimental pathology	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2008-2009 Completed
7.	Bezzubova M.V.	Research of Volgograd drugs market of antioxidant drugs and the study of the antioxidant properties of some plant extracts	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2012-2013 Completed
8.	Tsibenko Y.A.	The search for new antioxidant substances within the condensed heterocyclic compounds by methods of in silico and in vitro	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2014-2015 Completed
9.	Mayka O.Y.	The search for new glucokinase activators by in silico and in vitro methods	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2015-2016 Completed
10.	Dobritsina A.V.	The search and experimental study of new inhibitors of dipeptidyl peptidase 4	Diploma research project, Volgograd State Medical University (Volgograd, Russia)	Main	2015-2016 Completed

POSTGRADUATE SUPERVISION (INCLUDES CO-SUPERVISION)

STUDENT (NAME AND MATRIC NO.)	TITLE	LEVEL OF STUDY, COURSE CODE	SUPERVISORY STATUS (MAIN/CO-SUPERVISOR)	PROJECT STATUS (*COMPLETED, *ON-GOING)
1. Eltsova L.V.	Study of pharmacological activity of pyrrolo[1, 2-a] benzimidazole derivatives, exhibit antioxidant and antiradical properties	PhD in Pharmacology Volgograd State Medical University (Volgograd,	Main	2007-2009 Completed

2.	Ovchinnikova	Pharmacological properties new antioxidant complex on the basis of natural flavonoids	Russia) PhD in Pharmacology Volgograd State Medical University (Volgograd, Russia)	Main	2008-2010 Completed
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1. LIST OF PUBLICATION OF PROF. VADIM A. KOSOLAPOV

TOTAL LIST OF PUBLICATIONS INCLUDES 168 PUBLISHED WORKS

FULL-TEXT ARTICLES IN REFERRED JOURNALS (MEDLINE, SCOPUS, WEB OF SCIENCE)

GOOGLE SCHOLAR

h-index: 6

1. **Kosolapov, V.A.**, Ostrovskii, O.V., Spasov, A.A. The protective action of ethomersol in acute hypobaric hypoxia and during the recovery after it *Ekspiermental'naia i klinicheskaia farmakologija*, 1996. 59(6), pp. 51-53
[Russian]
[Abstract - English]
MEDLINE
SCOPUS
WEB OF SCIENCE
IF= 0.113
2. Mezheritskii V.V., Pikus A.L., Spasov A.A., Ostrovskii O.V., Dudchenko G.P., **Kosolapov V.A.** Synthesis and antioxidant activity of N,N-disubstituted 3-amino-1H-1,2-diazophenalenenes. *Pharmaceutical chemistry journal*. -1998. -Vol.32, No.1. -pp.13-14.
[English]
SCOPUS
IF= 0.410
3. Ostrowsky, O. V.; Spasov, A. A.; **Kosolapov, V. A.** Opportunity of correction of posthypoxic CNS damage by antioxidant agents. *Journal of Neurochemistry*. 1998. 71. p: S42.
[English]
MEDLINE
SCOPUS
WEB OF SCIENCE
IF= 3.939
4. **Kosolapov V.A.**, Ostrovskii O.V., Spasov A.A. Antioxidant Defense and Lipid Peroxidation in Rat Tissue after Hypobaric Hypoxia. *Bulletin of Experimental Biology and Medicine*, 1998. 11, pp.1103-1105. DOI: [10.1007/bf02447245](https://doi.org/10.1007/bf02447245)
[English]
[Abstract – English]
MEDLINE
SCOPUS
WEB OF SCIENCE
IF= 0.316
5. Spasov AA , Ostrovskii OV , Ivakhnenko IV , **Kosolapov VA** , Anisimova VA The effect of compounds with antioxidant properties on thrombocyte functional activity *Ekspiermental'naia i Klinicheskaia Farmakologija*, 1999, 62(1):38-40.
[Russian]
[Abstract - English]
MEDLINE
SCOPUS
WEB OF SCIENCE
IF= 0.113
6. Drozd V.V., **Kosolapov V.A.**, Ostrovskii O.V., Spasov A.A. Dynamics of the Recovery Period in Rats Exposed to Global Cerebral Ischemia. *Bulletin of Experimental Biology and Medicine*. - 2000. -Vol.130, No.10, pp. 1022-1023.
[English]
[Abstract – English]
MEDLINE
SCOPUS
WEB OF SCIENCE
IF= 0.316
7. Anisimova V.A., Spasov A.A., Kucheryavenko A.F., Panchenko T.I., Ostrovskii O.V., **Kosolapov V.A.**, Larionov N.P. Synthesis and pharmacological activity of 2-(hetaryl)imidazo[1,2-a]benzimidazoles. *Pharmaceutical chemistry journal*. -2002.-Vol.36, No.10. - pp.528-533. DOI: [10.1023/A:1022498224975](https://doi.org/10.1023/A:1022498224975)
[English]
SCOPUS
IF= 0.410
8. Anisimova V.A., Spasov A.A., Ostrovskii O.V., Dudchenko G.P., **Kosolapov V.A.**, Kucheryavenko A.F., Larionov N.P., Kovalev S.G. Synthesis and pharmacological activity of 3-aroyl- and 3-hetaroylimidazo[1,2-a]benzimidazoles. *Pharmaceutical chemistry journal*. -2002. -
[English]
[Abstract - English]
SCOPUS

Vol.36, No.12, pp.637-641. DOI: 10.1023/A:1023421709976

9. Spasov AA , **Kosolapov VA** , Ostrovskii OV , Drozd VV , Vereshchagin VK , Sen'chukov ID , Anisimova VA. Anti-ischemic properties of the novel antioxidant enoxifol. *Ekspertimental'naia i Klinicheskaia Farmakologiya*, 2003, 66(4):17-20. [Russian] [Abstract - English] **MEDLINE** **SCOPUS** **WEB OF SCIENCE** **IF= 0.410**
10. **Kosolapov VA** , Spasov AA , Anisimova VA Study of antiradical activity of new compounds by chemiluminescence. *Biomeditsinskaia Khimiia*, 2005, 51(3):287-294. [Russian] [Abstract - English] **MEDLINE** **SCOPUS** **IF= 0.410**
11. Spasov, A.A., Tregubova, I.A., **Kosolapov, V.A.** Modelling of intrauterine hypoxia. *Patologicheskaiia fiziologiia i èkspertimental'naia terapiia*. 2005, (4), pp. 25-28. [Russian] [Abstract - English] **MEDLINE** **SCOPUS** **IF= 0.113**
12. Spasov, A. A.; **Kosolapov, V.**; Stepanov, A. V.; et al. Application of new supplement with antioxidant properties at aging (experimental data). *European Neuropsychopharmacology*. 2005. Volume 15. p: S179. [English] **MEDLINE** **SCOPUS** **WEB OF SCIENCE** **IF= 4.507**
13. Anisimova V.A., Spasov A.A., **Kosolapov V.A.**, Ostrovskii O.V., Larionov N.P., Libinzon R.E. Synthesis and pharmacological activity of 2-methoxyphenyl-substituted 9-dialkylaminoethylimidazo[1,2-a]benzimidazoles // *Pharmaceutical chemistry journal*. -2005. -Vol.39, No.9, pp.476-482 DOI: 10.1007/s11094-006-0005-y [English] **SCOPUS** **IF= 0.410**
14. Anisimova V.A., Tolpygin I.E., Spasov A.A., **Kosolapov V.A.**, Chernikov M.V., Stepanov A.V., Larionov N.P. Synthesis and pharmacological activity of 2-methoxy- phenyl- and 2-oxyphenyl-substituted 1-dialkylaminoalkylimidazo[1,2-a]benzimidazoles. *Pharmaceutical chemistry journal*. -2005. -Vol.39, No.11. -pp.579-585. DOI: 10.1007/s11094-006-0024-8 [English] **SCOPUS** **IF= 0.410**
15. Anisimova V.A., Tolpygin I.E., Spasov A.A., **Kosolapov V.A.**, Stepanov A.V., Kucheryavenko A.F. Synthesis and biological activity of N-acylmethyl derivatives of 9H-2,3-dihydroimidazo- and 10H-2,3,4,10-tetrahydropyrimido[1,2-a]benzimidazoles and their reduction products. *Pharmaceutical chemistry journal*. -2006. -Vol.40, No.5, pp.261-267. DOI: 10.1007/s11094-006-0105-8 [English] **SCOPUS** **IF= 0.410**
16. Anisimova V.A., Spasov A.A., **Kosolapov V.A.**, Chernikov M.V., Stukovina A.Yu., El'tsova L.V., Larionov N.P., Libinzon R.E., Vatolkina O.E. Synthesis and biological activity of 9-dialkylaminoethyl-2-oxy(dioxy)phenylimidazo[1,2-a]benzimidazoles. *Pharmaceutical chemistry journal*. -2006. -Vol.40, No.10. -pp.521-528. DOI: 10.1007/s11094-006-0185-5. [English] **SCOPUS** **IF= 0.410**
17. Anisimova V.A., Tolpygin I.E., Spasov A.A., **Kosolapov V.A.**, Stepanov A.V., Orlova A.A., Naumenko L.V. Synthesis and pharmacological activity of aroylmethyl derivatives of tricyclic benzimidazole systems containing hydroxy groups in aroyl radicals. *Pharmaceutical chemistry journal*. -2007. -Vol.41, No.3, pp.126-130. DOI: 10.1007/s11094-007-0028-z. [English] **SCOPUS** **IF= 0.410**
18. Tibir'kova EV , **Kosolapov VA** , Spasov AA. Antioxidant and membranoprotective properties of trolox. *Ekspertimental'naia i Klinicheskaia Farmakologiya*, 2009, 72(2):47-50. [Russian] [Abstract - English] **MEDLINE** **SCOPUS** **WEB OF SCIENCE** **IF= 0.113**
19. Anisimova V.A., Spasov A.A., **Kosolapov V.A.**, Tolpygin I.E., Porotikov V.I., Kucheryavenko A.F., Sysoeva V.A., Tibir'kova E.V., El'tsova L.V. Synthesis and pharmacological activity of 3-(2,2,2-trichloro-1-hydroxyethyl)idazo[1,2-a] benzimidazole dyhydrochlorides. *Pharmaceutical chemistry journal*. -2009. -Vol.43, No.9, pp.491-494. [English] **SCOPUS** **IF= 0.410**
20. Anisimova V.A., Spasov A.A., Tolpygin I.E., **Kosolapov V.A.**, Kucheryavenko A.F., Gurova N.A., Grechko O.Yu., Kirillova N.v., El'tsova L.V., Naumenko L.V., Sysoeva V.A. Synthesis and pharmacological activity of salts of 3-acetyl-2-R-9-dialkylaminoethyl-imidazo[1,2-

- a]benzimidazoles. *Pharmaceutical chemistry journal*. -2010. -Vol.44, No.3, pp.117-122.
21. Anisimova V.A., Tolpygin I.E., Chernikov M.V., Yakovlev D.S., G I.I.oryagin, Gurova N.A., Salaznikova O.A., Naumenko L.V., **Kosolapov V.A.** Synthesis and pharmacological activity of 1-dialkyl(alkyl)aminoethyl-2,3-dihydroimidazo[1,2-a] benzimidazoles. *Pharmaceutical chemistry journal*. 2010. Vol.44, No.5, pp.241-244. [English] SCOPUS IF= 0.410
 22. Anisimova V.A., Tolpygin I.E., Minkin V.I., Chernikov M.V., Yakovlev D.S., Stukovina A.Yu., Goryagin I.I., Grechko O.Yu., Kirillova N.V., **Kosolapov V.A.**, Tibirkova E.V., Salaznikova O.A., Naumenko L.V. Synthesis and pharmacological activity of 9-R-2-halogenophenylimidazo[1,2-a]benzimidazoles. *Pharmaceutical chemistry journal*. 2010. Vol.44, No.7, pp.345-351. DOI: 10.1007/s11094-010-0465-y [English] SCOPUS IF= 0.410
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DISSERTATIONS

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2. **Kosolapov V.A.** *Antioxidant agents: selection strategy and prospects of application*. Dissertation for **Dr.Sci.Med. degree** (doctor of medical sciences – name of the academic degree as used in Russia), Russia, Volgograd: Volgograd State Medical University, June 2005, 303 pp.

NAME OF NATIONAL PATENT GRANTED

1. *Patent RU 2391979 C2 A61K31/4188 (2006.01) A61P39/00 (2006.01)* Dihydrobromide 9-(3,4-dihydroxyphenyl)-9-diethylaminoethylimidazo[1,2-a]benzimidazole and a pharmaceutical composition thereof. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Anisimova V.A., **Kosolapov V.A.**, Minkin V.I., Petrov V.I., Spasov A.A.); Application 2008118409/15; Stated 12.05.2008; Registered 12.05.2008.
2. *Patent RU 2443704 C1 C07D487/04 (2006.01) A61K31/415 (2006.01) A61P39/06 (2006.01)* Sulfates of 2-aryl-4-dialkylaminoethyl-3-phenylpyrrolo[1,2-a] benzimidazole, having antioxidant and antiradical properties. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Anisimova V.A., Spasov A.A., **Kosolapov V.A.**, Tibirkova E.V., Minkin V.I. Application 2012144482/04; Stated 29.10.2010; Registered 29.10.2010.
3. *Patent RU 2445090 C1 A61K31/4188 (2006.01) A61P25/00 (2006.01) A61P9/00 (2006.01)* The compound which has antiradical, cerebroprotective and antiischemic properties. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Spasov AA, Anisimova VA, **Kosolapov VA**, Eltcova LV, Minkin VI. Application 2012144482/04; Stated 29.10.2010; Registered 29.10.2010.
4. *Patent RU 2462245 C1 A61K31/4188 (2006.01) A61K31/4184 (2006.01) A61P39/02 (2006.01) A61P7/06 (2006.01)* The compound having antihypoxic, actoprotective, neuroprotective effect and affects the physical performance. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Spasov AA, Anisimova VA, **Kosolapov VA**, Tregubova IA, Minkin VI, Petrov VI. Application 2011128943 (042,784); Stated 12.07.2011; Registered 12.07.2011.
5. *Patent RU 2469720 C1 A61K31/4184 (2006.01) A61P9/00 (2006.01) A61P1/16 (2006.01)* The compound having antiarrhythmic and hepatoprotective properties. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Spasov AA, Anisimova VA, **Kosolapov VA**, Minkin VI, Petrov VI . Application 11g 2011129129/15; Stated 13.07.11; Registered 13.07.2011.
6. *Patent RU 2623439 C1 C07D 235/14 (2006.01) A61K 31/4184 (2006.01) A61P 7/02 (2006.01)* 1-substituted-3-[[2-(3,5-di-tret-4-hydroxyphenyl)-2-oxoethyl]]-2-aminobenzimidazolium bromides with antiaggregant and antioxidant properties. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Anisimova VA, Zhukovskaya O.N., Petrov V.I., Spasov A.A., **Kosolapov V.A.**, Kucheryavenko A.F., Gaydukova K.A., Sorotskiy D.V. Application 2016140594; Stated 14.10.16; Registered 14.10.2016.
7. *Patent RU 2649979 C1 C07D 487/04 (2006.01) A61K 31/4188 (2006.01) A61P 39/06 (2006.01)* 9-substituted-2-biphenylimidazo[1,2-a]benzimidazoles and their pharmaceutically acceptable salts with antioxidant and antiradical properties. Applicant's Name: Volgograd State Medical University (RU), South Federal University (RU); Inventors: Spasov A.A., Zhukovskaya O.N., Brigadirova A.A., **Kosolapov V.A.**, Anisimova VA, Morkovnik A.S. Application Ne 2017128226; Stated 07.08.2017; Registered 06.04.2018.
8. *Patent RU 2738804 C1 A61K 31/53 (2006.01) A61P 3/10 (2006.01)* Pharmaceutical composition of the anti-glycating action in solid medicinal form in capsules and the method of obtaining. Applicant's Name: Ural Federal University (RU); Volgograd State Medical University (RU), Inventors: **Kosolapov V.A.**, Kotovskaya S.K., Petrov V.I., Rusinov V.L., Sapozhnikova I.M., Smirnova L.A., Spasov A.A., Stepanova E.F., Shevchenko A.M. Application No. 2019122542; Stated 15.07.2019; Registered 17.12.2020.
9. *Patent RU 2 812 550 C1 C07D 239/26 (2006.01) A61P 35/00 (2006.01) C07D 239/42 (2006.01) C07D 487/04 (2006.01) A61K 31/505 (2006.01) A61K 31/519 (2006.01) A61P 3/10 (2006.01) A61P 25/28 (2006.01) ПO A61P 29/00 (2006.01) A61P 31/06 (2006.01) A61P 31/12 (2006.01)* Amine derivatives of diarylpyrimidines as inhibitors of nitric oxide and interleukin 6 release. Applicant's Name: Institute of Organic Synthesis named after I.Ya. Postovsky, Ural Branch of the Russian Academy of Sciences (RU), Volgograd State Medical University (RU), Inventors: Charushin V.N., Fedorova O.V., Ovchinnikova I.G., Rusinov G.L., Spasov A.A., **Kosolapov V.A.**, Babkov D.A., Sokolova E.V. Application No. 2022131710; Stated 06.12.2022; Registered 30.01.2024.

INTERNATIONAL, NATIONAL AND REGIONAL SYMPOSIUM PARTICIPANT

1. All-Russian conference "Antihypoxic agents and actoprotectors: results and prospects", 1994, St.-Petersburg, Russia.
2. 1st Congress of Russian Scientific Society of Pharmacologists "Fundamental researches as a basis of drugs creation". October 9-13, 1995, Volgograd, Russia.
3. International Conference "Man in the aviation and space: past, present and future". 1995, Moscow, Russia.

4. 1st European congress of pharmacology. 1995, Milan, Italy.
5. IInd, IIIrd, IVth, VII, IXth and XIVth Russian National Congresses "The Man and Medicine". April 10-15, 1995; April 16-20, 1996, April 1997, April 2000, April 8-12, 2002 and April 3-7, 2007 Moscow, Russia.
6. XIVth International Symposium on Medicinal Chemistry, 1996, 8-12 September, Maastricht, the Netherlands.
7. 1st, 2nd 3rd 4th 5th All-Russia conference " Hypoxia: mechanisms, adaptation, correction ", 1997, 1999, October 7-9 2002, October 12-14 2005, октября 9-11 2008, Moscow, Russia
8. VIth, XIth and XII Scientific – practical conferences: "Medicines for the man", 1998, 1999, 2000,. Kharkov, Ukraine.
9. National scientific-practical conference with international participation "Free radicalls and human deseases" September 19-22, 1999, Smolensk, Russia.
10. All-Russia Scientific Conference with the international participation "Urgent problems of experimental and clinical pharmacology", June 2-5 1999. St.-Petersburg, Russia.
11. The 8th Cyprus conference on New Methods in Drug Research April 25-30, 1999, Limassol, Cyprus.
12. 55th Regional conference on pharmaceutics, pharmacology and training of personnel. Pyatigorsk State Pharmaceutical Academy, 2000, Pyatigorsk, Russia.
13. Scientific conference «Biological basis of individual sensitivity to psychotropic drugs» 2001, Suzdal, Russia
14. Scientific conference "Free radicals and antioxidants in the development and functions of the central nervous system: from fetus to aging" April 18-20, 2001, St.-Petersburg, Russia.
15. National scientific-practical conference with international participation "Free radicalls, antioxidants and human deseases" September 19-22, 2001, Smolensk, Russia.
16. VI International Conference "Bioantioxidants" April 16-19, 2002, Moscow, Russia.
17. 6th International Congress "Actual problems of creation of new natural origin drug" July 4-6, 2002, St.-Petersburg, Russia.
18. 12 European con-ference on clinical hemorheology. 2003, Sofia, Bulgaria.
19. Internation conference: "Reactive oxygen and nitrogen species, antioxidants and human health". September 22-25 2003 Smolensk, Russia.
20. 2nd Congress of Russian Scientific Society of Pharmacologists "Fundamental problems of pharmacology"., April 21-25, 2003. Moscow, Russia.
21. Scientific conference devoted 50-years of Altay State Medical University: "Actual problems of pharmacology". 2003 Barnaul, Russia.
22. International Conference "Information Technology in Education, Engineering and Medicine", October 18-22, 2004, Volgograd, Russia.
23. 8-th ECNP Regional Meeting April 14-16, 2005, Moscow, Russia.
24. 4th International conference "Reactive oxygen species, Nitric oxide, Antioxidants and Humal Health", September 26-30, 2005, Smolensk, Russia.
25. 4th International Conference "Biological basis of individual sensitivity to psychotropic drugs" March 13-16, 2006, "Podmoscovje". Moscow, Russia.
26. The Third International Conference "Chemistry and Biological Activity of Nitrogen-Containing Heterocycles", dedicated to the memory of prof. A.N. Costa, May 16-19, 2006, Chernogolovka, Russia.
27. 5th International Scientific and applied congress of Assotiation of aviation, Space, Naval, Extremal and Environmental medicine of Rusiia "Man in Extreme Conditions: health, reliability and rehabilitation" October 16-20, 2006, Moscow, Russia.
28. III Congress of Russian scientific society of the pharmacologists "Pharmacology to practical public health services". September 23-27, 2007, St.-Petersburg, Russia.
29. International Scientific Conference dedicated to the 40th anniversary of the "Institute of Pharmacology and Biochemistry of the National Academy of Sciences of Belarus." October 11-12, 2007, Grodno, Belorussia.

30. Symposium "Results of fundamental and applied researches for creation of new drugs", June 9-11, 2008, Moscow, Russia.
31. 55th anniversary regional scientific conference of the Volgograd state medical university "Modern innovational medicine for the population of Volgograd area", December 8-12, 2008, Volgograd, Russia.
32. Jubilee (fifth) International Crimean Conference "Oxidative stress and free radical pathology", 2009, Sudak, Crimea.
33. The Second International Congress-Partnering and Exhibition EurasiaBio 2010 on Biotechnology and Bioenergy, April 13-15, 2010, Moscow, Russia.
34. 11th ECNP Regional Meeting April 14-16, 2011 St.-Petersburg, Russia.
35. IV International scientific-practical conference "Actual problems of biology, nanotechnology and medicine", September 22-25, 2011 Rostov-on-Don, Russia.
36. IVth Congress of Russian Scientific Society of Pharmacologists "Innovations in modern pharmacology" September 18-21, 2012, Kazan, Russia.
37. International conference of medicinal chemistry "MedChem Russia-2013" September 8-12, 2013, Moscow, Russia.
38. 5th International Symposium "Methods and Applications of Computational Chemistry" July 1-5, 2013, Kharkiv, Ukraine.
39. 20th EuroQSAR "Understanding chemical-biological interactions" August 31 – September 4, 2014, St-Petersburg, Russia.
40. All-Russian scientific conference, dedicated to 150th anniversary of N.P. Kravkov "Pharmacology of extreme conditions" June 29 - July 2, 2015 St.-Petersburg, Russia.
41. Cluster of conferences in organic chemistry «OrgChem-2016». June 27 – July 1, St.-Petersburg (Repino), Russia.
42. 3rd Russian Conference on Medicinal Chemistry «Med Chem Russia-2017». September 28 – October 03, 2017 Kazan, Russia.
43. Vth Congress of Russian Scientific Society of Pharmacologists "Scientific foundations for searching and creation of drugs" May 14-18, 2018, Yaroslavl, Russia.
44. 2nd All-Russian Workshop "Hypoxia and Antihypoxants", April 22-23, 2019, St. Petersburg, Russia.
45. 4th Russian Conference on Medicinal Chemistry with international participants «Med Chem Russia-2019». June 10-14, 2019, Ekaterinburg, Russia.
46. V Russian scientific-practical conference with international participation "Topical issues of training foreign citizens in medical universities", 2020, January 28, Volgograd, Russia.
47. VIII All-Russian conference with international participation "Topical issues of preclinical and clinical trials of drugs, biomedical cell products and clinical trials of medical devices", 2021, April 22-23, St. Petersburg, Russia
48. 5th Russian Conference on Medicinal Chemistry with International Participation "MedChem-Russia 2021", 2022, May 16-19, Volgograd, Russia
49. VI Congress of Pharmacologists of Russia "Change of Generations and Preservation of Traditions. New Ideas - New Medicines", November 20-24, 2023, Klyazma, Russia
50. Interregional Congress of the Russian Association of Gerontologists and Geriatricians, April 17, 2024, Volgograd, Russia
51. IV Conference on the Treatment and Diagnosis of Diabetes Mellitus "Fundamental and Clinical Diabetology in the 21st Century: from Theory to Practice", May 22-24, 2024, Moscow, Russia

WORKSHOPS AND ADVANCED SUBJECT TRAINING COURSES (ASTC)

1. Advanced subject training courses (72 hours) "Psychology and pedagogics in High School", Moscow State University of Medicine and Dentistry – Moskovskii Gosudarstvennyi Mediko-Stomatologicheskii Universitet, Volgograd, Russia; September, 1996 – October 1996.
2. Research 6th month Internship "Molecular biology of TB diagnosis", University of Arkansas for Medical Sciences, Area Health Educational Centre Program, Little Rock, AR, USA; April, 1998 – October, 1998.

3. Advanced subject training courses (72 hours) "Psychological & methodological aspects of education", Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd, Russia; January, 2002.
4. English course "English for Medicine", M.L.S. International College Bournemouth (Management & Language Specialists), Bournemouth, UK, March, 2007.
5. Advanced subject training courses (72 hours) "Psychological & methodological aspects of education", Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd, Russia; March, 2007 - April, 2007.
6. Advanced subject training courses "Modern aspects of circulation and analysis of narcotic drugs and psychotropic substances", Pyatigorsk State Pharmaceutical Academy (PGFA) – Pyatigorskaya Gosudárstvennaya Farmaceuticheskaya Akademiya, Pyatigorsk, Russia; December, 2009 - January, 2010.
7. Advanced subject training courses (72 hours) "Psychological, pedagogical and organizational methodical aspects of education process in Medical High School", Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd, Russia; December, 2010 - January, 2011.
8. Advanced subject training courses (72 hours) "Web Site Administration", Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd, Russia; January, 2012 - March, 2012.
9. Advanced subject training courses (36 hours) "The problems of research activities of academic staff" Certificate No. 180000925315 dated. 04/05/2016» Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd, Russia; March, 2016.
10. Advanced subject training courses (216 hours) "Technology, quality control and rational application of drugs", Certificate No. 180000925315 dated. 04/05/2016; Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; February, 2016 – April, 2016.
11. Advanced subject training courses (114 hours) – "Rules of organizing and conducting preclinical studies of drugs - GLP", Certificate No. 77240330971 dated July 1, 2016, Scientific Center for Expertise of Medical Products of Ministry of Health of Russian Federation – Centr Expertizi Sredstv Medicinskogo Naznacheniya (NCESMP) Minzdrava Rossii, Moscow, June, 2016 – July, 2016.
12. Advanced subject training courses (16 hours) – "Inclusive education and development of adaptive programs in a university" Certificate No. 343100217247 dated 12.04.2018, Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; April, 2018.
13. Advanced subject training courses (25 hours) «Life safety and first aid in the educational environment" Certificate No. 0400000141597 dated 03.07.2018; Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; July, 2018.
14. Advanced subject training courses (36 hours) «Information and communication technologies in the electronic information educational environment of the university" Certificate No.180001799959 dated November 30, 2018; Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; November, 2018.
15. Advanced subject training courses (144 hours) – "The procedure and rules for the implementation of activities related to the trafficking of narcotic drugs, psychotropic substances and their precursors", Certificate No. 180001802274 dated 02.21.2019, Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; February, 2019.
16. Professional retraining (288 hours) - "Teacher of vocational education, additional professional education", Diploma No. 343100034956 dated 05/27/2019, Volgograd State Medical University (VoISMU) – Volgográdskii Gosudárstvennyi Meditsinskiĭ Universitet, Volgograd; 03/04/2019 - 05/24/2019.
17. Advanced subject training courses (16 hours) – "Practical application of the principles of good laboratory practice", Certificate No. 502402955366 dated July 3, 2019, Federal state budget Federal State Budgetary Educational Institution of Higher Education «Pushchino State Institute of Natural Sciences» – Federal'noye Gosudarstvennoye byudzhethnoye obrazovatel'noye uchrezhdeniye vysshego obrazovaniya "Pushchinskiy gosudarstvennyy yestestvenno-nauchnyy institute", Pushchino, July, 2019.
18. Advanced subject training courses (36 hours) - "Basic course on the development of organization development projects", Certificate U. DPO No. 013790 dated March 31, 2021, Project Management Center, Volgograd State Technical University, Volgograd, 01/28/2021 - 03/31/2021.
19. Advanced training (36 hours) "Life Safety and First Aid in the Educational Environment", Certificate No. 343101248052 dated 05/24/2021; Volgograd State Medical University, Volgograd, May 11 - May 15, 2021.

20. Advanced training (36 hours) "Inclusive Education and Development of Adapted Educational Programs at the University", Certificate No. 343101248314 dated 06/01/2021, Volgograd State Medical University, Volgograd, May 17 - May 29, 2021.
21. Advanced training (72 hours) "Implementation of the principles of good laboratory practice", Certificate No. 320000016926 dated 06/26/2021, Volgograd State Medical University, Volgograd, June 11 - June 26, 2021.
22. Advanced training (36 hours) "Information and communication technologies: practical construction of problem-based learning courses in the electronic information educational environment of a university", Certificate No. 343101248728 dated 10/25/2021; Volgograd State Medical University, Volgograd, October 11 - 22, 2021.
23. Advanced training (36 hours) "Information and communication technologies: methods and practice of using distance educational technologies in the educational process" Certificate No. 343101264569 dated 10.02.2022; Volgograd State Medical University of the Ministry of Health of the Russian Federation, Volgograd, January 24 - February 5, 2022.
24. Advanced training (144 hours) "Digital design in discipline programs" Certificate No. 160300052838 dated 29.11.2022; ANO VO Innopolis University, Innopolis, September 5 - November 20, 2022.
25. Advanced training (36 hours) "Rules and procedures for carrying out activities related to the circulation of narcotic drugs and psychotropic substances" Certificate No. 040000442078 dated 05/07/2024; FGBOU VO VolGMU of the Ministry of Health of the Russian Federation, Volgograd, April 29 - May 7, 2024.