



XI Russian & VII IMEOF International Congress of Ozone-Therapy

September 19–21th, 2018
Nizhny Novgorod (Russia)
Official languages – Russian/English



Scientific Program

Assembly Hall N.A.Semashko Regional Clinical Hospital	Conference Room № 2 N.A.Semashko Regional Clinical Hospital
Wednesday 19 September 2018	
10:00 – Conference opening 10:30-14:00 – Plenary session	
14:00-15:00 – break. LUNCH	
15:00-18:00 – Plenary session (continuation)	
Thursday 20 September 2018	
9:00-11:30 – Section 1. Fundamental problems of ozone and reactive oxygen species application in medicine and biology	9:00-11:30 – Section 2 Experimental and clinical aspects of studying the effects of nitric oxide
12:00 – 14:00 – Section 3 Clinical aspects of ozone application in obstetrics, gynecology Demonstration of ozone therapy techniques in gynecology	12:00 – 14:00 – Section 4 Clinical aspects of the use of ozone in therapy, pediatrics, dermatology Demonstration of ozone therapy techniques
14:00-15:00 –Break. LUNCH	
15:00-18:00 – Section 5. Clinical aspects of ozone, physical factors and antioxidants in surgery, traumatology and orthopedics	16:00-18:00 – Poster session (foyer near the Assembly hall)
18:00 - Summarizing the work of the sections. Conference closing	
19:00 – Friendly dinner	
Friday 21st of September 2018	
7:00-20:00 – Excursion to Bol'shoye Boldino, House & estate of Pushkin. Poet, playwright, and novelist. Considered the greatest Russian poet and founder of the modern Russian literatura.	

19 September 2018 (Wednesday)

Assembly Hall

10:00 – Opening of the conference

Presidium: V.I. Sergienko, N.N. Karyakin, V.D. Selemir, R.M. Zaycev, S.P. Peretyagin, Adriana Schwartz (IMEOF)

Opening remarks: President of the Russian Association of Ozone Therapy prof. S.P. Peretyagin

10:30- 13:30 - PLENARY SESSION I

Chairpersons: Acad. V. I. Sergienko (Moscow). | Prof. S.P. Peretyagin (Nizhny Novgorod)

1	Is it possible to treat the biofilm bacterial infection with ozone? <i>G.A. Boyarinov, L.V. Boyarinova, A.S. Gordetsov, A.P. Medvedev, I.S. Simutis, N.A. Azov (Nizhny Novgorod)</i>	20 min
2	Possible mechanism of anti-inflammatory action of the mitochondrial-directed antioxidant SkQ1: the role of mast cells. <i>M.A. Chelombit'ko, T.V. Vasilyeva, I.I. Galkin, A.V. Fedorov, O.P. Ilyinskaya (Moscow)</i>	20 min
3	Ozone Therapy in Human Papillomavirus (HPV) Infection. <i>Adriana Schwartz (Spain)</i>	20 min
4	Active forms of Halogens, halogenating stress, its biomarkers. Role in human disease development. <i>O.M. Panasenko, A.V. Sokolov (Moscow)</i>	20 min
5	Ozone is among the methods of physical therapy. Commonality and differences. <i>A.G. Kulikov Куликов (Moscow)</i>	20 min

Coffee-break - 10 min

	Presidents: prof. G.A. Boyarinov (N. Novgorod), M.D. A. Schwartz (Spain)	
6	Gas-mediators, leading regulatory role NO in compensatory-adaptive processes. <i>A.F. Vanin (Moscow)</i>	20 min
7	Evaluation of the effect of ozone therapy on the osseointegration of dental implants. <i>Iman Mohamed Sobhy Matar (Egypt)</i>	20 min
8	Medical ozone promotes Nrf2 phosphorylation reducing oxidative stress and proinflammatory cytokines in multiple sclerosis patients. <i>Gregorio Martinez Sanchez (Cuba, Italy)</i>	20 min
9	Фелициано Вонг Орtiz (Мексика) Vogh – Koyanagi – Harada Disease. <i>Feliciano Wong Ortiz (Mexico)</i>	20 min
10	Ozone therapy in the complex treatment of inflammatory diseases of the upper gastrointestinal tract. <i>V.A. Maksimov, S.D. Karataev, A.G. Kulikov, S.N. Zelencov, E.E. Shelemov, V.A. Neronov (Moscow)</i>	20 min
11	Fundamentals of medical ozone therapy as practiced in German specialist ozone center. <i>Aziz Kittana (Ajman, UAE)</i>	20 min

BREAK (Lunch) 14:00-15:00

15:00- 18:00 - PLENARY SESSION II

Chairpersons: **Prof. K.N. Kontorschikova (Nizhny Novgorod), Prof. S.P. Peretyagin (Nizhny Novgorod)**

12	Cold plasma as a bioregulator: biophysical and physiological aspects. <i>A.K. Martusevich, A.V. Kostrov, S.Yu. Krasnova. (Nizhny Novgorod)</i>	20 min
13	The influence of ozonated saline solution on biochemical parameters of liver of tumor-bearing animals. <i>K.N. Kontorschikova, T.A. Veselova (Nizhny Novgorod)</i>	20 min
14	Ozone-hydrogen therapy. Methods and Results. <i>E.I. Nazarov (Ukraine)</i>	20 min
15	Ozonucleolysis in brachialgia. <i>Umair Rashid, A. Hameed, M. Farooq & Marco Leonard (Pakistan).</i>	20 min
16	Ozone as an effective component of the combined technology of bone implant sterilization. <i>V.V. Rozanov, I.V. Matveichuk, I.V. Panteleev, A.P. Chernyaev (Moscow, Kirov).</i>	20 min

Break – 10 min

Chairpersons: **Prof. S.P. Peretyagin (Nizhny Novgorod), Doct. Biol. Sci. A.K. Martusevich (Nizhny Novgorod).**

17	Intradiscal ozone for backache, a pakistani experience. <i>Shahzad Karim Bhatti (Pakistan).</i>	20 min
18	Some results of the outcome after ozone therapy diagnosed with diabetes. <i>Munkhtuya Tseveenmyadag (Mongolia).</i>	20 min
19	Ozone therapy in small animals veterinary medicine. <i>Rugina Stefan (Romania).</i>	20 min

20 September 2018 (Thursday)

Session 1. Fundamental problems of ozone and reactive oxygen species application in medicine and biology.

9:00 -10:15 - Session № 1A. Main hall

Chairpersons: **Prof. S.P. Peretyagin (Nizhny Novgorod), Doct. Biol. Sci. A.V. Deriugina (Nizhny Novgorod)**

1	The potential of preconditioning with ozone for erythrocyte mass to restore the morphological changes of the myocardium in blood loss. <i>G.A. Boyarinov, I.S. Simutis, A.S. Mukhin, V.O. Nikolsky, A.V. Deriugina, L.V. Boyarinoва, A.B. Kuznetsov (Nizhny Novgorod).</i>	15 min
2	Compensatory and adaptive role of erythrocyte ATP-ase in the action of ozone in experimental acute blood loss. <i>A.V. Deriugina, G.A. Boyarinov, I.S. Simutis, A. Martusevich (Nizhny Novgorod).</i>	15 min
3	Characteristics and prospects of application of monoclonal antibodies against myeloperoxidase. <i>A.V. Sokolov, N.P. Gorbunov, V.A. Kostevich, O.M. Panasenko (Moscow, Saint-Petersburg).</i>	15 min
4	DNA damage in rat blood leukocytes after ozone-photodynamic therapy of experimental malignant tumors. <i>T.G. Scherbatyuk, I. Chernigina, E. Plekhanova, A. Gapeev (Nizhny Novgorod, Puschino).</i>	15 min
5	Modification of physical and chemical properties of blood under the action of helium cold plasma. <i>A.K. Martusevich, A.G. Soloveva, S.Yu. Krasnov, A.G. Galka, D.V. Yanin (Nizhny Novgorod).</i>	15 min

Coffee-break - 15 min

Session № 1B. Main hall

10:30 – 11:30

6	Antiradical and antiacidotic the action of air ions of oxygen during the burn in combination with blood loss. S.A. Kozlov, E.A. Rygin (Saransk).	15 min
7	Morphofunctional restructuring of the Central nervous system under the influence of single motor loads on the background of preozonation of blood. E.R. Erastov (Nizhny Novgorod).	15 min
8	Antioxidant status of the body in the treatment of combined thermal injury with cold plasma. Belyaeva K.L., Didenko N.V., Dudar A.I., Soloveva A.G. (Nizhny Novgorod).	15 min
10	Hemostasis system reaction to EMR irradiation of blood samples of burned patients in vitro. M.V. Presnyakova, O.V. Kostina, V.L. Kuznecova (Nizhny Novgorod).	15 min

Session 2. Experimental and clinical aspects of studying the effects of nitric oxide

9.00 - 10:15 - Session № 2A. Conference Hall №2

 Chairpersons: **Prof. A.F. Vanin (Moscow), Prof. Kh.L. Gainutdinov (Kazan).**

1	Synthesis and metabolism of nitric oxide in physiological processes and inflammation V.Yu. Titov, V.G. Vertiprahov, A.M. Dolgorukova, A.N. Osipov (Moscow, Sergiev Posad)	15 min
2	EPR study of changes in the production of nitric oxide in the heart and liver of rats with 30-day restriction of motor activity and subsequent recovery. Kh.L. Gajnutdinov, T.L. Zefirov, V.V. Andrianov, G.G. Yafarova, M.I. Sungatullina, V.S. Iyudin, N.I. Ziyatdinova, S.V. Yurtaeva, F.G. Sitdikov (Kazan)	15 min
3	Nitric oxide and long-term sensitization in grape snails. V.V. Andrianov, T.Kh. Bogodvid, A.H. Vinarsky, I.B. Deryabina, L.N. Muranova, Kh.L. Gainutdinov (Kazan).	15 min
4	The effects of the inhibitory peptide ZIP and a donor of nitric oxide on the process of reconsolidation contextual conditioning of a grape snail. I.B. Deryabina, V.V. Andrianov, T.Kh. Bogodvid, L.N. Muranova, D.I. Silant'eva, Kh.L. Gajnutdinov (Kazan).	15 min
5	Features of nitrogen oxide metabolism in community-acquired pneumonia and its combination with chronic obstructive pulmonary disease. U.R. Farkhutdinov, E.F. Amirova, R.R. Farkhutdinov (Ufa).	15 min

Break – 10 min

10:30 – 11:30 - Session № 2B. Conference Hall №2

 Chairpersons: **Prof. V.V. Pichugin (Nizhny Novgorod), Doct. Biol. Sci. A.K. Martusevich (Nizhny Novgorod).**

6	New technologies of clinical application of inhaled nitric oxide in cardiac surgery. V.V. Pichugin, S.E. Dominin, I.R. Seffetdinov, Bober V.M., E.V. Sandalkin (Nizhny Novgorod).	15 min
7	Activity of aldehyde dehydrogenase of rat heart under the influence of dinitrosyl iron complexes at combined thermal trauma. A.I. Dudar, A.G. Soloveva, A.S. Koryagin, K.L. Belyaeva (Nizhny Novgorod).	15 min
8	The state of the microcirculation system under the influence of exogenous nitric oxide at thermal injury. P.V. Peretyagin, N.V. Didenko, K.N. Belyaeva, A.G. Soloveva (Nizhny Novgorod).	15 min
9	Assessment of activity of oxidoreductases in blood of burn rats exposed to exogenous NO-therapy in experiment. N.V. Didenko, K.N. Belyaeva, A.G. Soloveva (Nizhny Novgorod).	15 min
10	Metabolic assessment of subchronic toxicity of nitric oxide in inhalation use. A.K. Martusevich, A.G. Soloveva, A.A. Martusevich, S.P. Peretyagin (Nizhny Novgorod).	15 min

Session 3. Clinical aspects of ozone application in obstetrics, gynecology, therapy, pediatrics, dermatology

12:00-14:00 - Session № 3A. Main hall

Chairpersons: **Prof. T.A. Fedorova (Moscow), Prof. G.O. Grechkanev (Nizhny Novgorod).**

1	Plasmapheresis in combination with ozone therapy in the training of patients with chronic salpingoophoritis to the in vitro fertilization program. <i>T.A. Fedorova, A.S. Ochan, E.M. Bakuridze, I.E. Korneeva, L.A. Bagdasaryan, I.V. Zav'yalova (Moscow).</i>	15 min
2	Hemodynamic effects of ozone-bacteriophagotherapy of chronic endometritis. <i>G.O. Grechkanev, T.G. Hodosova, T.M. Motovilova, N.N. Nikishov, H.M. Klemente Apumajta, Yu.A. Gagaeva, E.S. Muhina, A.R. Hamidova. (Nizhny Novgorod).</i>	15 min
3	New opportunities in the treatment of complicated forms of cervical ectopia in women with miscarriage. <i>E.L. Boyko (Ivanovo).</i>	15 min
4	Ozonotherapy in the practice of obstetrician-gynecologist. <i>Nikishov, TGKhodosova, IMKurmangulova (Kaliningrad).</i>	15 min
Demonstration of ozone therapy techniques in gynecology.		

Session number 4. Clinical aspects of the use of ozone in therapy, pediatrics, dermatology

12: 00-14:00 - Meeting Room Number 2 OKB them. ON. Semashko

Chairpersons: **Prof. V.A. Maksimov (Moscow), Prof. A.G. Kulikov. (Moscow), Prof. O.A. Bitkina (Nizhny Novgorod)**

5	The state of oxidative status in adolescents with a normal body mass index, depending on the composition of the body according to bioimpedansometry. <i>V.V. Bekezin, O.V. Pereseckaya (Smolensk).</i>	15 min
6	The use of ozone therapy for coronary heart disease and asthma. <i>O.V. Maslennikov (Nizhny Novgorod).</i>	15 min
7	Comprehensive laboratory monitoring of the use of local ozone therapy methods in dermatologist practice. <i>O.A. Grechkaneva, O.A. Bitkina, S.A. Sokolov, I.V. Gabasov, P.A. Razheva (Nizhny Novgorod).</i>	15 min
8	Results of ozone therapy in children with atopic dermatitis and concomitant allergic rhinitis. <i>Ya.Yu. Illek, I.B. Chaganov, E.V. Suslova, I.G. Suetina, N.P. Leushina (Kirov).</i>	15 min
9	The use of ozone therapy and laser irradiation of blood in the treatment of cardiological patients. <i>A.F. Gulyaev (Tula).</i>	15 min
10	Complications of major autohemotherapy in the practice of ozone therapy Department of the sanatorium. <i>P.A. Muhin, S.M. Bershtejn (Moscow).</i>	15 min
	Demonstration of intravenous infusions of ozonated physiological solution	30 min.
	<i>IGVorobyova, MVStrelkova, SPPeretagin (N.Novgorod).</i>	

BREAK (Lunch) 14:00-15:00

Session 5. Clinical aspects of ozone, physical factors and antioxidants application in surgery, traumatology and orthopedics

15:00-16:30 - Session № 4A. Main hall

Chairpersons: **Prof. A.N. Belyaev (Saransk), Prof. S.V. Yakimov (Krasnoyarsk).**

1	Optimization of complex treatment of local cold injury through the use of systemic ozone therapy. <i>S.V. Yakimov, N.M. Markelova (Krasnoyarsk).</i>	15 min
2	The influence of the wavelength of the laser radiation on the efficiency of coagulation of varicose veins. <i>A.N. Belyaev, S.V. Kostin, N.A. Tyurina, E.V. Boyarkin (Saransk).</i>	15 min
3	Magnetic fields of complex characteristics in rehabilitation of patients after discectomy. <i>D.D. Voronina, A.G. Kulikov (Moscow).</i>	15 min
4	The effectiveness of antioxidant therapy in the correction of lipid peroxidation in patients with posttraumatic arthritis. <i>A.N. Zahvatov, A.N. Belyaev, T.V. Tarasova, I.A. Zaharkin, A.A. CHekmaeva (Saransk).</i>	15 min
5	OZOTENS-therapy dorsalgia and arthralgia. <i>S.P. Peretyagin, A.V. Novikov, S.A. Sokolov. S.E. Hrulyov (N.Novgorod).</i>	15 min

Break – 15 min

16:45-18:00 - Session №4B. Main hall

Chairpersons: **Prof. A.N. Belyaev (Saransk), Prof. S.V. Yakimov (Krasnoyarsk), Prof. S.P. Peretyagin (Nizhny Novgorod).**

6	On the issue of rehabilitation of combat injuries. <i>T.V. Kulemzina, V. Krasnozhon (Donetsk).</i>	15 min
7	Organizational principles of military field stage adjuvant ozone therapy. <i>V.N. Knyazev (Dolgoprudnyj).</i>	15 min
8	The use of ozone therapy in chronic obliterating diseases of the lower extremity arteries. <i>A.A. Zasorin (Ekaterinburg).</i>	15 min
9	Prolonged local ozone therapy of residual bone cavities. <i>A.B. Zaitsev (N. Novgorod).</i>	15 min
10	Evaluation of the effectiveness of ozone therapy in the rehabilitation treatment of patients with gonarthrosis who underwent total endoprosthesis. <i>O. A. Rechkunova, A.A. Safronov, T.V. Glukhova (Orenburg).</i>	15 min

20 September 2018 (Thursday)

Poster session

(Foyer near the Conference halls)

1	Intensity of free radical processes in rat brain synaptosomes in ischemia and reperfusion. <i>N.K. Klichkhanov, J.G. Ismailova, M.D. Astaeva (Makhachkala).</i>
2	Study of some hematological parameters of rats in the dynamics of singlet oxygen and ozone inhalation. <i>A.A. Martusevich (Nizhny Novgorod).</i>
3	The state of oxidative metabolism in lung and heart of rats after a prolonged course of nitric oxide inhalations. <i>A.G. Soloveva, V.L. Kuznetsova, P.V. Peretyagin, N.V. Didenko, A.I. Dudar, E.S. Terekhina, S.P. Peretyagin (Nizhny Novgorod).</i>
4	Effect of ozone therapy on the functional state of the kidneys in persons with hypertension. <i>E.D. Terskich, I.I. Komissarova, E.I. (Sochi).</i>
5	Intensity of free radical processes in rat liver mitochondria in deep hypothermia. <i>S.I. Chisrieva, R.A. Chalilov, A.M. Djafarova (Makhachkala).</i>
6	Modern methods of ozone therapy in clinical practice. <i>T.A. Yurash (Astrakhan)</i>