

PROGRAM

THE EIGHTH INTERNATIONAL CONFERENCE "HIGH MEDICAL TECHNOLOGIES IN XXI CENTURY"

October 25 - November 1 2009

Benidorm - Spain

**HIGH TECHNOLOGIES IN DIAGNOSTICS, TREATMENT AND REHABILITATION,
CONTEMPORARY STATE AND PROSPECTS**

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Committee on Healthcare, State Duma, Russian Federation
Ministry of Healthcare, Spain
AMM-2000, Ltd., Russia,
High Medical Technologies, Ltd., Russia
AMM & Villamartin, S.L., Spain
Moscow Committee on Science and Technologies
Hospital «Clinica Benidorm», Spain
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	<u>Sunday, October 25, 2009. Arrival day.</u>
	Registration of the participants at the hotel including cocktail. Accommodation of the participants.
The program of the sections.	
<u>Monday, October 26, 2009. The first day of the conference.</u>	
08.00 – 09.30	Registration of the participants.
<u>Morning session</u>	
09.30 – 10.30	Opening: Conference President - Andrey M. Molotilov Presentation of the participants of the conference.
	<u>Greetings:</u> Deputy Director, Department of Monitoring and Efficiency of State Body Activity in Russian Federation Subjects at the Ministry of Regional Development of the Russian Federation - Ekaterina P. Kakorina Director of Hospital “Clínica Benidorm” - Ana Paz Brown Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Academician, RAMS - Nikolay V. Medunitsyn Deputy General Director of Management of the Uniform Customer of Rosstechnologies - Yury V. Nemytin Head of a Direction on work with Medical Institutions of the Company IBM East Europe/Asia – Alexander G. Kotov Mayor of Benidorm – Manuel Pérez Fenoll
<u>Section 1</u>	
<u>High-tech methods of radiological and functional diagnostics.</u>	
	Chairmen – Ph.D., Professor E.Kakorina, Ph.D., Professor N.Beresten, Ph.D., Professor G.Volgina
10.30 – 10.50	Modern medico-demographic situation the Russian Federation. Ph.D., Professor E.Kakorina <i>The Ministry of Regional Development of the Russian Federation</i>
10.50 – 11.10	Features of development of service of functional diagnostics in the Russian Federation. E.Kakorina ¹ , S.Tkachenko ² , Ph.D., Professor N.Beresten ² <i>The Ministry of Regional Development of the Russian Federation¹</i> <i>Russian Medical Academy of Postgraduate Education, Moscow²</i>
11.10 – 11.30	Modern methods of clinical neurophysiology. Ph.D. N.Alexandrov <i>JSC «Medical systems», St-Petersburg, CareFusion, (USA), Nexstim (Finland)</i>
11.30 – 11.45	Experience of using MRI-navigated brain stimulation for rehabilitation prognosis for patients with severe brain damage. Ph.D., Professor A.Belkin <i>Ural Interregional Clinic of Nervous Diseases and Neurosurgery, Ekaterinburg</i>
11.45 – 12.00	Predictors of asymptomatic and symptomatic cerebral vasospasm in neurosurgery patients. Ph.D. S. Madorskiy ¹ , O. Shovikova ¹ , V. Tenedieva ¹ , K. Madorskiy ² , I. Voronina ¹ <i>Burdenko Neurosurgery of Institute, RAMS, Moscow¹</i> <i>Children Emergency Surgery and Traumatology Institute, Moscow</i>
12.00 – 12.30	Coffee-break.
12.30 – 12.45	Diagnostic and treatment of balance disorders using computer stabilometry. A.Beliaev <i>JSC «Medical systems», St-Petersburg, Neurocom Ltd. (USA)</i>
12.45 – 13.00	Contrast-induced nefropaty, a myth or a reality. Ph.D., Professor G.Volgina <i>Moscow State Medico-Stomatological University</i>
13.00 – 13.15	Advantages isoosmolar contrast substances in a clinical practice. A.Medvedeva <i>Nycomed</i>
13.15 – 13.30	Age-reader: non-invasive estimation of the risk of cardiovascular disease, diabetes and renal failure. B. van den Berg, J. Chi, D. Korogodina, E. Chirkova <i>DiagnOptics Technologies BV, Groningen, The Netherlands; «Medico-Diagnostic Laboratory», Ltd., Moscow</i>
13.30 – 13.45	Role of MPR, 3 D - reconstruction and virtual endoscopy in the exposure of pathology of colon. Ph.D., Professor V. Sokolov, L.Anischenko, Yu.Stasyuk <i>Odessa State Medical University, Ukraine</i>
13.45 – 14.00	Discussion of the reports.
14.00 – 15.00	Dinner.
19.00	Banquet on the conference opening.

Tuesday, October 27, 2009. The second day of the conference.

Section 2

Possibilities cellular and Nanotechnologies in medicine, biology, pharmacology.

	Chairmen – Ph.D., Professor K.Yarygin, Ph.D., Professor V.Elinson, Ph.D. T.Kolokoltsova
09.00 – 09.20	Nanotechnologies in tissue engineering. Corresponding member, RAMS, <u>K.Yarygin</u> <i>Russian State Medical University, Moscow</i>
09.20 – 09.40	Bioactive systems on a basis nanostructures polymers: properties and prospects. Ph.D., Professor <u>V.Elinson</u> , M.Yurovskaya ² , S.Nesterov ³ , A.Lyamin ¹ , N.Ovchinnikova ² , A.Kurkin ² , R.Negmetdinova ¹ , A.Gaydarova ⁴ <i>Tsiolkovsky “MATI”-RSTU, Moscow¹; Lomonosov Moscow State University²</i> <i>Setchenov Moscow Medical Academy³</i> <i>FSUP “Vekshinsky Scientific Research Institute of Vacuum Technics”, Moscow⁴</i>
09.40 – 10.00	Problem questions of the concept of development of cellular technologies. <u>Ph.D. S.Shevchenko¹, N.Manturova², J.Burda¹</u> <i>Kursk Rregional Clinical Hospital¹</i> <i>Russian State Medical University, Moscow²</i>
10.00 – 10.20	Problems and perspectives of the cell culture method for therapy human diseases. <u>Ph.D. T.Kolokoltsova, N.Shalunova</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i>
10.20 – 10.40	Bone tissue engineering using mesenchymal stem cell populated scaffolds: Hydroxyapatite nanoparticles induce osteogenic differentiation and fine-tune the rate of scaffold resorption in vitro. <u>Ph.D., Professor K.Yarygin</u> <i>Russian State Medical University, Moscow</i>
10.40 – 11.00	Cell culture as model for investigation. <u>Ph.D. T.Kolokoltsova</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i>
11.00 - 11.15	The technology of nanophotosensitizers using in medical diagnostics and therapy. <u>Ph.D. V.Loschenov, S.Vasilchenko, A.Ryabova</u> <i>Prokhorov General Physics Institute RAS, Moscow</i>
11.15– 11.30	Surface energy characteristics of polymer track membranes and their antimicrobial activity. <u>Ph.D. Professor V.Elinson¹, A.Lyamin¹, Ju.Bogdanova² A.Spitsyn¹</u> <i>Tsiolkovsky RGTU-«MATI», Moscow¹, Lomonosov Moscow State University²</i>
11.30 – 11.45	Fibre optic system of Laser Light Delivery to Different Neoplasm Localizations. <u>Ph.D. V.Volkov, I.Shikunova, A.Zaitsev¹, E.Filonenko¹, V.Loschenov</u> <i>BIOSPEC, Institute of General Physics RAS, Moscow</i> <i>Gertcen Oncological Institute, Moscow¹</i>
11.45 – 12.00	Discussion of the reports.
12.00 – 12.30	Coffee-break.

Section 3

High technologies in diagnostics and treatment of ischemic illness of heart.

	Chairmen - Ph.D., Professor S.Abugov, Ph.D., Professor I.Jbanov, Ph.D., Professor B.Shachov
12.30 – 12.45	Opening welcom from Nycomed/ GE Healthcare. <u>A.Medvedeva</u> <i>Nycomed</i>
12.45 – 13.15	Modern approaches to diagnostics of ischemic illness of heart. <u>Ph.D.V.Kurbatov</u> <i>Meshalkin Scientific Rresearch Institute of a Pathology of Blood Circulation, Moscow</i>
13.15 – 14.00	Treatment of ischemic illness of heart. What to prefer: medicinal therapy, stenting or surgery? The incorporated report, lecturers: <u>Ph.D., Professor S.Abugov, Ph.D., Professor I.Jbanov</u> <i>Petrovsky Russian Centre of Science of Surgery, RAMS, Moscow</i>
14.00 – 14.15	Discussion of the reports.
14.15 – 15.15	Dinner.

Wednesday, October 29, 2009. The third day of the conference.

Section 4

Modern endovascular surgery in the acute period of vascular diseases.

	Chairmen - Ph.D., Professor M.Pursanov, Ph.D., Professor V.Ivanov, Ph.D., Professor V.Lazarev
09.00 – 09.15	Rentgeno-endovascular surgery of a sharp coronary syndrome. Ph.D., Professor M.Pursanov <i>Bakulev Scientific Centre of Cardiovascular Surgery, RAMS</i>
09.15 – 09.30	Expierience of use trombectomy catheter in acute occlusions of infarct related artery. M.Movsesyants, V.Ivanov, I.Trunin, Yu.Bobkov, S.Terekhin, A.Ivanov, <u>V.Mayskov</u> <i>Vishnevsky Central Military Clinical Hospital N 3, Krasnogorsk, Moscow Region</i>
09.30 – 09.45	Hybrid treatment of cardiovascular diseases. Ph.D., Professor M.Pursanov <i>Bakulev Scientific Centre of Cardiovascular Surgery, RAMS</i>
09.45 – 10.00	Dynamics of standards in carotid surgeries. Ph.D., Professor G.Antonov, Miklashevich E.R., G.Mitroshin, Obratsov A.V., S.Melnithuk, S.Gladishev, D.Galaktionov, V.Ivanov, Yu.Bobkov, S.Terekhin, I.Trunin <i>Vishnevsky Central Military Clinical Hospital N 3, Krasnogorsk, Moscow Region</i> <i>Russian Medical Academy of Postgraduate Education, Moscow</i>
10.00 – 10.15	Opportunities spiral CT in diagnostics of damage of a chest aorta. Ph.D., Professor F.Sharifullin <i>Sklifosovsky Scientific Research Institute of First Aid, Moscow</i>
10.15 - 10.30	The nearest results of surgical treatment of patients with combined coronary and brahiocephalic arteries lesions. A.Shames, <u>Ph.D. S.Terekhin</u> , V.Ivanov, A.Obratsov, G.Antonov, E.Miklashevich, Yu.Bobkov, I.Trunin, M.Movsesyants <i>Vishnevsky Central Military Clinical Hospital N 3, Krasnogorsk, Moscow Region</i>
10.30 - 10.45	Possibilities modern endovascular neurosurgery. Ph.D., Professor V.Lazarev <i>Russian Medical Academy of Postgraduate Education, Moscow</i>
10.45 – 11.00	Surgical treatment huge intracavernous arterial aneurysms with application wide-gleam autovenous of the shunt in conditions system hypothermia. Ph.D., Professor <u>V.Matveev</u> , A.Glushchenko, V.Lanetskaja, V.Malahov, G.Bachurin, B.Shchegolevatyh, P.Jurov <i>Burdenko Voronezh State Medical Academy</i> <i>Voronezh Regional Clinical Hospital N 1</i>
11.00 – 11.15	Single-stage hybrid arterial reconstruction below knee among patients with chronic critical limb ischemia Ph.D., Professor <u>V.Ivanov</u> , A.Obratsov, Yu.Bobkov, S.Terekhin, M.Movsesyants, V.Mayskov, A.Ivanov, V.Smirnov <i>Vishnevsky Central Military Clinical Hospital N 3, Krasnogorsk, Moscow Region</i>
11.15 – 11.30	Endovascular surgery in damage of peripheral vessels. Ph.D., Professor <u>G.Belozerov</u> <i>Sklifosovsky Scientific Research Institute of First Aid, Moscow</i>
11.30 – 11.45	Results of endovascular interventions on multifocal atherosclerosis. A.Shames, <u>Ph.D. S.Terekhin</u> , V.Ivanov, A.Obratsov, E.Miklashevich, G.Antonov, Yu.Bobkov, I.Trunin, M.Movsesyants <i>Vishnevsky Central Military Clinical Hospital N 3, Krasnogorsk, Moscow Region</i>
11.45 – 12.00	Discussion of the reports.
12.00 – 12.30	Coffee-break

Section 5

Modern methods of immunological prophylaxis, diagnostics and treatment of infectious diseases.

	Chairmen – Academician, RAMS, N.Medunitsyn, Ph.D., Professor M.Vorobieva
12.30 – 12.45	Problems of safety and efficiency of modern vaccines. <u>Academician, RAMS, N. Medunitsyn</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i>
12.45 - 13.00	Innovations in the production technology of virus vaccines. <u>Ph.D. A. Kiktenko, J. Khapchaev, M. Vorovich</u> <i>Federal State Unitary Enterprise for Manufacture of Bacterial and Viral Preparations, Chumakov Institute of Poliomyelitis and Viral Encephalitis, RAMS, Moscow</i>
13.00 – 13.15	Modern technologies of vaccine manufacture and their contribution to better safety of vaccination as exemplified by ENCEPUR vaccine. <u>O.V.Mikhailov</u> <i>Novartis Vaccines and Diagnostics GmbH & Co. KG, Moscow Office</i>
13.15 – 13.30	Results of certification of the domestic vaccine against the infection HIV - «COMBYVICHVAC». <u>Ph.D., Professor M.Vorobyova, G.Ignatyev, K.Sarkisjan, R.Volkova, M.Garaev¹</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i> <i>Ivanovsky Institute of virology, RAMS, Moscow¹</i>
13.30 – 13.45	Studying of sensitivity and specificity commercial immune-enzyme test-systems (IETS) for revealing of markers of viruses of hepatitis B and C with use of referens-panels of whey of blood of the person. <u>Ph.D., Professor N.Shalunova, N.Bocharova, E.Musina, A.Korovkin, A.Kanev¹</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i> <i>FSUE SCS VB “Vector” of Rosпотrebnadzora of the Russian Federation, Novosibirsk</i>
13.45 – 14.00	Modern view on immuno- and vaccinal prevention of tick-borne encephalitis. <u>Ph.D., Professor G.Leonova</u> <i>Research Institute of Epidemiology and Microbiology, SB RAMS, Vladivostok</i>
14.00 – 14.15	The immune answer at express vaccination against tick-borne encephalitis (the comparative analysis of a domestic vaccine «ENCEVIR» and vaccines of Austrian manufacture «FSME-Immun») <u>Ph.D., Professor M.Vorobyova, I.Ladyzhenskaja, R.Soljanik¹, N.Stavitskaja¹, O.Shkuratova¹</u> <i>Tarasevich State Research Institute of Standardization and Control of Medical and Biological Preparations, Moscow</i> <i>Branch FSUE RPA «Microgene» - RPA «Virion», Tomsk¹</i>
14.15 – 14.30	Discussion of the reports.
14.30 – 15.30	Dinner.

Thursday, October 29, 2009. The fourth day of the conference.

«Round Table»

	Fixed reports – 10 min. Free discussion.
09.00 – 11.00	«Round Table» Principles of the organization of treatment and rehabilitation of patients with a various vascular pathology. Chairmen – Ph.D., Professor O.Dreval, Ph.D, Professor N.Beresten, Ph.D. Professor V.Lazarev 1. The program of perfection of medical aid by the patient with vascular diseases. <u>Ph.D. Professor V.Lazarev, O.Dreval</u> <i>Russian Medical Academy of Postgraduate Education, Moscow</i> 2. A role of standards of training of the experts participating in diagnostics, treatment and rehabilitation of patients with a vascular pathology. <u>Ph.D. Professor Beresten N.F.</u> <i>Russian Medical Academy of Postgraduate Education, Moscow</i> 3. Problems of preparation of neurosurgeons in the Russian Federation. <u>Ph.D. Professor O.Dreval, V.Lazarev</u> <i>Russian Medical Academy of Postgraduate Education, Moscow</i> Discussion of the reports.

11.00 – 14.00	<p>«Round Table» Modern state of Russian Healthcare Chairmen – Ph.D., Professor E.Kakorina, Ph.D, Professor N.Beresten</p> <p>1. Regional features of health and healthcare of the Russian Federation. <u>Ph.D., Professor E.Kakorina</u> <i>The Ministry of Regional Development of the Russian Federation</i></p> <p>2. Efficiency of activity of system of healthcare. <u>Ph.D., Professor E.Kakorina</u> <i>The Ministry of Regional Development of the Russian Federation</i></p> <p>3. Cytology informations system information system for diagnostics and telemedicine. <u>Ph.D.L. Mekheda</u>, V.Bogatyrev, A.Demidov <i>Blokhin Russian Cancer Research Centre, RAMS, Moscow</i></p> <p>4. The clinical-economic analysis of application roentgen contrast medications for cardiography. <u>A.Medvedeva</u> <i>Nycomed</i></p> <p>Discussion of the reports.</p>
14.00 – 15.00	Dinner.
18.00	Closure of the conference. Giving of Certificates. Banquet.
<u>Friday, October 30, 2009</u>	
Free time. Excursions	
<u>Saturday, October 31, 2009</u>	
Free time. Excursions	
<u>Sunday, November 1, 2009</u>	
Departure of the participants to the airport of Alicante.	