

# Final Program

15<sup>th</sup> International Congress of EMLA (European Medical Laser Association),  
in conjunction with FinMedLA (Finnish Bio-Medical and Cosmetological Laser  
Association), MAL (Medical Acupuncture and Laser, Finland),  
LAN RF (Laser Academy of Russian Federation),  
Laser and Health International Association

## LASER HELSINKI 2010

Helsinki, Finland

Saturday 21<sup>st</sup> – Sunday 22<sup>nd</sup> August 2010

with pre- and post-congress courses at 20<sup>th</sup> and 23<sup>rd</sup> August 2010



MAL

medical acupuncture  
and lasers



LASER AND HEALTH  
International Association  
Международная ассоциация  
ЛАЗЕР И ЗДОРОВЬЕ



Photodiagnosis and  
Photodynamic  
Therapy



## Invited Keynote Speakers



**Zhores Alferov**

Nobel Prize winner, Academician, Russian Academy of Sciences, Professor.



**Juri Vladimirov**

Academician, Russian Academy of Medical Sciences, Professor.

### Laser Helsinki 2010 Congress Organizing Committee:

- Levon Gasparyan, Head of Organizing Committee, Member of Executive Committee of EMLA, Finland
- Anu Makela, President of EMLA, Finland
- Premysl Fryda, Chief Executive Officer of EMLA, Czech Republic
- Alexander Geynits, Professor, Director, State Center of Laser Medicine, Russia
- Penny Smalley, Technology Concepts International, Member of Executive Committee of EMLA, USA
- Grigory Brill, Professor, Saratov Medical University, Russia

### International Executive Committee of EMLA:

- Anu Makela, President of EMLA (Finland)
- Zlatko Simunovic, Honorary President of EMLA (Switzerland)
- Premysl Fryda, Chief Executive Officer of EMLA (Czech Republic)
- Miroslav Prochazka (Czech Republic)
- Penny Smalley (USA)
- Levon Gasparyan (Finland)
- Hans Hainz (Germany)
- Ladislav Horak (Czech Republic)
- Giuseppe Tam (Italy)

### Laser Helsinki 2010 Congress Organizers and Secretariat:

Kaisaniemenkatu 3 A 5

FI-00100 Helsinki, FINLAND

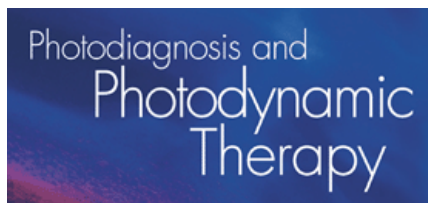
Tel: +358 44 562 4747

Fax: +358 9 622 5984

E-mail: [info@laserhelsinki.com](mailto:info@laserhelsinki.com)

Web: [www.emla-laser.eu](http://www.emla-laser.eu) and [www.laserhelsinki.com](http://www.laserhelsinki.com)

**We wish to express our gratitude for the support to:**



[www.laserhelsinki.com](http://www.laserhelsinki.com)

[info@laserhelsinki.com](mailto:info@laserhelsinki.com)

[www.emla-laser.eu](http://www.emla-laser.eu)

## Program of the Laser Helsinki 2010 Congress

### August 20, 2010, Friday

**Registration**

**Pre-congress courses**

**Welcome cocktail, Paasitorni Restaurant (19.00)**

### August 21, 2010, Saturday

**Opening words and Welcome greetings (Main hall)**

**Plenary session:**

- **Semiconductor lasers, laser surgery and safety**

Coffee break and exhibition

**Plenary session (Main hall):**

- **Systemic effects of laser light**
- **Laser PDD/ PDT, systemic photodynamic therapy**

Lunch break and exhibition

**Parallel session (Room 1):**

- **PDT I**

**Parallel session (Room 2):**

- **Laser aesthetic surgery**

**Parallel session (Room 3):**

- **LLLT and phototherapy I**

**Gala Evening, Paasitorni Restaurant (19.30)**

### August 22, 2010, Sunday

**Parallel session (Room 1):**

- **PDT II**

**Parallel session (Room 2):**

- **Laser in surgery**

**Parallel session (Room 3):**

- **LLLT and phototherapy II**

Lunch break and exhibition

**Plenary sessions (Main hall):**

- **Molecular and cellular mechanisms of laser and LED phototherapy Laser PDD/ PDT, systemic photodynamic therapy**
- **Laser light and chronic diseases**

Coffee break and exhibition

**Plenary session (Main hall):**

- **Clinical effects of blue light**

**Discussion, questions**

**Young researchers, awards**

**General Assembly**

**Closing Words**

### August 23, 2010, Monday

**Post-congress Courses**

**Helsinki City Mayor's reception Old Court House, Aleksanderinkatu 20 (14.00 - 15.00)**

**August 20, 2010**

Time	<b>August 20, 2010</b>
	<b>Lobby</b>
08.00 19.00	<b>Registration</b>
	<b>Rooms 1 and 2</b>
10.00 18.30	<b>Pre congress Courses</b>
	<b>Paasitorni Restaurant</b>
19.00- 20.00	<b>Welcome cocktail</b>

**August 21, 2010**

Time	<b>August 21, 2010</b>
	<b>Main hall, August 21, 2010</b>
09.00 09.15	<b>Opening words and Welcome greetings</b>

Time	<b>Main hall, August 21, 2010</b>
	<b>Plenary session: Semiconductor lasers, laser surgery and safety</b> <b>Chair: Z. Simunovic, M. Dyson</b>
09.15 PL1	Semiconductor heterostructure lasers: early days and future perspectives Zh.I. Alferov
09.45 PL2	The key to quality assurance : medical laser safety audit P.J. Smalley
10.10 PL3	Procedure for hair removal around the lips with diode laser A. Harila
10.25 PL4	Laser assisted pulmonary surgery: a review of current applications <u>K. Moghissi</u> , K. Dixon
10.55 PL5 PL6 PL7	Low-level, high-intensity lasers and photodynamic therapy as a treatment for chronic rhinitis and pharyngitis <u>E.V. Likhacheva</u> , E.M. Mazur, Yu.V. Alekseev, G.V. Ponomarev
11.15 11.30	<b>Coffee break and exhibition</b>

Time	<b>Main hall, August 21, 2010</b>
	<b>Plenary session: Systemic effects of light</b> <b>Chair: K. Moghissi, L. Wilden</b>
11.30 PL8	Photochemical mechanisms of low-power laser and led biostimulating action Yu.A. Vladimirov
12.00 PL9	Patient Amplification of the Spontaneous Effects of Radiation: the PASER concept M. Dyson
12.25 PL10	Violet ('blue') laser acupuncture research and computer-based heart rate and heart rate variability analysis G. Litscher
	<b>Plenary session: Laser PDD/PDT, systemic photodynamic therapy</b>
12.45 P11	Interstitial photodynamic therapy (IPDT) O.A. Skugareva, <u>M.A. Kaplan</u> , V.N. Kapinus, A.I. Malygina, A.A. Mikhailovskaya
13.10 P12	New applications of bacteriochlorophyll derivatives in photo-medicine: (1) localization of necrotic breast tumors and (2) photodynamic ablation of ectopic pregnancy <u>Y. Salomon</u> , L. Goldshaid, I. Glinert, A. Brandis, A. Scherz
13.45 P13	Biochemical backgrounds in the use of Systemic Photodynamic Therapy in the treatment of various disseminated inflammatory diseases A. Mäkelä
14.00 15.00	<b>Lunch break and exhibition</b>

Time	Room 1, August 21, 2010	Time	Room 2, August 21, 2010
	<b>PDT I</b> <b>Chair: K. Moghissi</b>		<b>Laser aesthetic surgery</b> <b>Chair: P. Fryda</b>
15.00 O1	Photodynamic therapy induces systemic heat shock protein-70 response <u>M. Korbelik</u> , S.Merchant	15.00 O10	How can ISO international standards help you? P. Fryda
15.15 O2	Contribution of autofluorescence bronchoscopy (AFB) and photodynamic therapy (PDT) in the diagnosis and treatment of early central lung cancer (ECLC) <u>K. Moghissi</u> , K. Dixon	15.15 O11	Application of autofluorescent dermoscopy for evaluation of skin changes in cosmetology <u>E.V. Krylova</u> , N.N. Petrishchev, G.V. Papayan, A.V. Krylov
15.30 O3	Endobronchial photodynamic therapy with Chlorin e6 in advanced stage of central lung cancer A. Akopov, A. Rusanov, V. Molodtsova, G. Papayan, I. Chistiakov, <u>N. Kazakov</u>	15.30 O12	Mathematical model of transcutaneous laser ablation of leg vessels <u>V.A. Efremov</u> , A.A. Filatov, A.A. Podoskin
15.45 O4	The photodynamic therapy (PDT) of the upper and a lower lips carcinoma <u>V.N. Kapinus</u> , M.A. Kaplan	15.45 O13	Local and intravascular laser irradiation in aesthetic surgery <u>A.I. Baybekov</u> , I.M. Baybekov
16.00 O5	Photodynamic therapy as an optimal technique for treating lower lip cancer <u>E.Ph. Stranadko</u> , V.A. Titova, M.V. Rjabov, V.Yu. Petrovsky	16.00 O14	Advantages and disadvantages of the using laser technology for liposuction A. Mamiev
16.15 O6	Complex treatment of tumors in oral cavity with use of photodynamic therapy <u>V.V. Polkin</u> , I.S. Spichenkova, M.A. Kaplan, V.S. Medvedev, D.Y. Semin, A.M. Shubina	16.15 O15	Evaluation of the treatment results of atrophic scars on Fraxel re: store system R. Chumak
16.30 O7	Photodynamic therapy in esophageal cancer <u>E.Ph. Stranadko</u> , V.S. Mazurin, V.L. Shabarov, T.M. Ibragimov	16.30 O16	Successful treatment of blue hyperpigmentation in the face caused by minocycline using the ruby-laser <u>B. Aigner</u> , K. Knerl, T. Hintringer
16.45 O8	Application of Selective Chronophototherapy at the patients with breast cancer and skin melanoma for correction of immunological disorders <u>V.A. Borisov</u> , O.A. Guseva, S.S. Grigoryan	16.45 O17	Scars after laser alexandrite treatment in resistant port-wine stains. K. Messaoud Nacer
17.00 O9	Chlorin e6 photosensitizer as a fluorescence marker for fluorescence diagnostics during photodynamic therapy in ophthalmology <u>Y.Al. Belyy</u> , A.V. Tereshchenko, P.L. Volodin		
17.15			
<b>19.30</b>	<b>Gala Evening, Paasitorni Restaurant</b>		

Time	<b>Room 3, August 21, 2010</b>
	<b>LLLT and phototherapy I</b> <b>Chair: H.A. Romberg</b>
15.00 O24	Intravascular laser irradiation of blood in treatment of myasthenia. <u>A.Kh. Butaev</u> , B.A. Saidkhanov, I.M. Baybekov
15.15 O25	Application of laser therapy for reduction of changes in erythrocytes and cells of body in their pathology <u>I.M. Baybekov</u> , A.I. Ibragimov, S.M. Rizaeva, A.I. Baybekov
15.30 O20	Biphasic dose-effect relationship in phototherapy: a simple mathematical model in a multidimensional parameter space as a test for LLLT mechanisms? H.A. Romberg
15.45 O21	Low level laser (LLLT) monotherapy -Photobiostimulation in the treatment of osteochondrosis (osteoarthritis) of joints; Double blind-crossover, placebo controlled clinical study Z. Simunovic
16.00 O22	Low Level Lasers Therapy (LLLT)-Photobiostimulation in the treatment of Cervical Syndrome: Double Blind Placebo Controlled Clinical Study on 102 Patients Z. Simunovic
16.15 O23	He-Ne laser irradiation activates reparative processes after cartilage loss Ihsan F.R. Mohammed, Nuha Al – Mustawfi, Ibtisam K.A.Ali Laser diode enhances autologous cartilage graft's expansibility Ihsan F.R.Mohammed, Mohammed S. Al- Iedani, Arwa`a A. Abdul- Hussein
16.30 O26	Effectiveness of laser photobiomodulation of in Ga Al P on wound healing and Ga Al As laser on the blood sugar amount in diabetic rats <u>H. Morshedi</u> , E.M. Zeidi, A.S. Variani, L. Kivanmarz, F. Riazi, B. Ashtiani
16.45 O27	Vacuum-photon-magnetic massagers of V. Korobov– A. Korobov “Barva-Pneumo/FM” <u>V.A. Korobov</u> , A.M. Korobov
	<b>SEMINAR:</b>
17.00- 18.00	L Wilden, Laser treatment of the inner ear organ
<b>19.30</b>	<b>Gala Evening, Pasantorni Restaurant</b>

August 22, 2010

Time	Room 1, August 22, 2010	Time	Room 2, August 22, 2010
	<b>PDT II</b> <b>Chair: E.Ph. Stranadko</b>		<b>Lasers in Surgery</b> <b>Chair: H. Hainz</b>
09.00 O29	Photodynamic therapy for treatment of endobronchial tumors <u>Y.A. Ragulin</u> , M.A. Kaplan, V.N. Medvedev, V.N. Kapinus, V.V. Peters	09.00 O39	Clearing the air in surgery: what you need to know about surgical plume P.J. Smalley
09.15 O30	Evaluation of the fluorescent properties of the skin in the patients with diabetes mellitus of different age <u>N.N. Petrishchev</u> , G.V. Papayan, E.N. Grineva, E.A. Trofimova, U. Kang	9.15 O40	High tech requiring high quality P. Fryda
09.30 O31	Photodynamic therapy (PDT) of the basocellular skin carcinoma <u>V.N. Kapinus</u> , M.A. Kaplan	9.30 O41	Per cutaneous laser disc decompression (PLDD) with 970 nm wave length Laser : a minimal invasive surgery for PLID, first time in Bangladesh <u>M.Y. Ali</u> , J.Md. Sarwar, Muhd.M. Rahman
09.45 O32	A novel ready form of the photosensitizer photolon for topical application. Evaluation of the efficacy in patients with basal-cell carcinoma of the skin T.V.Trukhachova., <u>S.V. Shliakhtsin</u> , D.A. Cerkovsky, Y.P. Istomin	09.45 O42	High power laser enable a paradigm shift in surgery with cost reduction – pattern could be prostate therapy H. Hainz
10.00 O33	Determination of dimigin and photoditazin concentrations which do not cause hemolysis in erythrocyte suspension (threshold) under irradiation with the light source 390-410 nm <u>G.V. Ponomarev</u> , O.V. Mislavsky	10.00 O43	Laser technologies in treatment hemangiomas F.G. Nazirov, <u>R.A. Sadykov</u> , R.R. Sadykov
10.15 O34	Facilities of photodynamic therapy application in life quality improvement for the patients with tumorous hollow organs permeability derangement B.B.Shafirovskiy, I.P. Savinov, S.E. Goncharov, <u>A.S. Ivanov</u> , L.L. Drach	10.15 O44	Endovenous laser coagulation in the combined surgical treatment of chronic venous insufficiency <u>V.V. Shaprynskiy</u> , S.M. Levanchuk, S.S. Yurets, D.V. Tsigalko, V.B. Melnik, V.E. Lazorenko, S.A. Cheshenchuk
10.30 O35	Photodynamic therapy and combined treatment modalities in head and neck cancer patients with Radaclorin <u>E.G. Vakulovskaya</u> , L.I. Zalevskaya, O.I. Zalevskaya, S.E. Goncharov	10.30 O45	Three-wave laser “MUL” in laparoscopic surgery of the diseases and trauma of spleen <u>A.V. Varabei</u> , I.I. Pikirenya, V.N. Lurje, S.V. Aliksandrau, S.K. Rakhmanau, A.V. Vakhovski, A.L. Labaneuski
10.45 11.00	<b>Break and exhibition</b>	10.45 11.00	<b>Break exhibition</b>
11.00 O36	Antimicrobial affectivity of photodynamic therapy F.G. Nazirov, <u>R.A. Sadykov</u> , R.R. Sadykov	11.00 O46	Initial experience with pattern laser photocoagulation for active retinopathy of prematurity A.V. Tereshchenko, <u>Yu.A. Belyy</u> , P.L. Volodin, I.G. Trifanenkova, M.S. Tereshchenkova
11.15 O37	Antibacterial photodynamic therapy for treating non-healing purulent wounds and trophic ulcers <u>E.Ph. Stranadko</u> , P.I. Tolstykh, I.Yu. Kuleshov	11.15 O47	Benign lesions in the uterine cervix – laser technologies for their treatment M.I. Kovalev, <u>E.V. Rokhlina</u>
11.30 O38	Efficacy of the novel ready form of the photosensitizer Photolon® in PDT of a chronic marginal gingivitis and chronic periodontitis T.V. Trukhachova., <u>S.V. Shliakhtsin</u> , V.V. Posrednykov, S.V. Shulgan, S.A. Naumovich	11.30 O48	Mechanisms of EVLA: thermal & optical simulations of distributed sources <u>V.A. Efremov</u> , A.A. Filatov, V.V. Shishkovsky
		11.45 O49	Autodyne and acoustic monitoring of the process of evaporating the multilayer biomaterials by CO <sub>2</sub> laser emission <u>V.N. Kortunov</u> ., A.K. Dmitriev, A.N. Kononov, V.A. Ulyanov
		12.00 O50	Structural changes in myocardium of rats after transmymocardial laser revascularization <u>A.A. Mansurov</u> , N.U. Sharapov, S.S. Murtazaev, Kh.G. Khalikulov, E.S. Ziadinov
		12.15 O51	The laser biophotometry medical applications for the diabetes foot monitoring <u>C. Ravariu</u> , A. Bondarciuc, V. Nahaba, V. Bondarciuc, C.I. Tirgoviste, O. Dumitrache, F. Babarada
13.00 14.00	<b>Lunch break and exhibition</b>		

Time	<b>Room 3, August 22, 2010</b>
	<b>LLLT and phototherapy II</b> <b>Chair: G.E. Brill</b>
09.00 O52	Biophotons and regulation – which fantasies can be excluded from a physicist's point of view? H.A. Romberg
9.15 O53	Low power laser irradiation of bacterial lipopolysaccharide attenuates its pathogenic effect on microcirculation G.E. Brill, K.V. Agadzhanova, <u>L.V. Gasparyan</u> , A.M. Mäkelä
9.30 O54	Observations of effects of 525 nm LED light on functional state of brain O.V. Borgul, M.A. Kaplan, A. Mäkelä, <u>L.V. Gasparyan</u>
09.45 O56	A new aspect using low level laser therapy (LLLT) on patients suffering from Rhinitis allergica P.H.P.Marti, S.Marti, C.S.Marti, <u>D.Marti-Mijic</u>
10.00 O55	Application of LED radiation of Korobov's photon matrixes "Barva-Flex" in complex therapy of community - acquire pneumonia complicating of influenza A (H1N1) California - 2009 <u>G.I. Gradil</u> , V.N. Kozko
10.15 O58	Low level laser therapy in patients with prostate cancer: impact on frequency of radiation damages after radiotherapy and 5-year survival rates <u>A.A. Zimin</u> , G.M. Zharinov, K.A. Samoilova, N.Yu. Neklasova, L.A. Volodina
10.30 O59	Low power visible and polychromatic (visible + near IR) light enhances sensitivity of tumor cells to cytolytic activity of natural killers <u>N.A. Knyazev</u> , K.A. Samoilova, N.A. Filatova
10.45 11.00	<b>Break and exhibition</b>
11.00 O60	Use of blue light and laser in the treatment of Alzheimer's Dementia and Parkinson's Disease A. Mäkelä
11.15 O61	Assumptions about the integrating role of the hypothalamus in processes of light control and light fluctuations filtering, with application in endocrine and neurologic conditions <u>D. Siposan</u> , T.O. Melinte
11.30 O62	The different response of the main symptoms of inner ear exhaustion to a specific high dosage low level laser therapy L. Wilden
11.45 O63	Low level laser therapy as a method for limiting of activity of inflammation in the treatment of children with recurrent bronchitis <u>M.A. Kozlova</u> , T.I. Doroshenko, A.J. Osin
12.00 O64	New laser technologies in diagnosis and treatment of esophagitis <u>R.A. Sadykov</u> , R.Sh. Mavlyan-Khodjaev
12.15 O65	LLLT in bone growth in periodontal disease D. Vieru
12.30 O66	Local and intravascular laser irradiation in complex treatment periodontitis S.M. Rizaeva, <u>I.M. Baybekov</u>
12.45 P23	Quasi-thermal laser and gonarthrosis S. Guechi
13.00 14.00	<b>Lunch break and exhibition</b>

Time	<b>Main hall, August 22, 2010</b>
	<b>Plenary session: Molecular and cellular mechanisms of laser and LED phototherapy</b> <b>Chair: G.E. Brill, K.A. Samoilova</b>
14.00 PL14 PL15	Properties of real phototherapy Lasers and LEDs H. Romberg
14.15 P16	Effect of laser radiation on platelet function is dependent on polarization state of laser light G.E. Brill, I.A. Budnik, K.V. Agadzhanova, S.E. Loginovskaya, A.B. Pravdin, L.V. Gasparyan, A.M. Mäkelä
14.45 PL17	Effect of nitric oxide and laser and LED radiation on mitochondrial respiration and membrane potential T.V. Zhidkova, Yu.A. Vladimirov
15.00	Is the complex of cytochrome oxidase with NO a target for red and near infrared laser and LED radiation? Y.A. Vladimirov, A.N. Osiov
15.15 PL18	The absorption behaviour of oxygen and the mitochondrial energy transfer – the importance of electromagnetic radiation (light) L. Wilden
	<b>Plenary session: Laser light and chronic diseases</b>
15.30 PL20	Efficiency evaluation of therapy of the chronic heart failure with use of low-level infra-red laser irradiation in the combination O.E. Popovkina, M.A. Kaplan, A.G. Konopljannikov
15.45 PL21	Effect of phototherapy with visible and near infrared light on the growth promoting activity of the breast carcinoma patients' serum at postsurgery period A.A. Zimin, K.A. Samoilova, N.A. Zhevago
16.00 – 16.20	<b>Coffee break and exhibition</b>

Time	<b>Main hall, August 22, 2010</b>
	<b>Plenary session: Clinical effects of blue light</b> <b>Chair: A.M. Mäkelä</b>
16.20 PL22	Cellular and systemic effects of blue light: a review A.M. Mäkelä
16.40 P2	Evaluation of the Effect of Low Energy Laser Irradiation of the Blood on the Absorption of the Antibiotics F.R.M. Ihsan, M.S. Mahdi, R. Al- Magsosy
16.50 P1	Physiological Effects of Laser Therapy on Normal and Hyperthyroid Female Rabbits N.S. Al-Mustawfi, F.R.M. Ihsan, T.S. Azawi
17.00 PL23	Phototherapy with blue-light: physics and chemistry of water-containing systems V.I. Karandashov, A.D. Danilov, V.I. Slesarev
17.20 PL24	Blue light responses in men V.I. Karandashov
18.00	<b>General assembly</b>
	<b>Discussion, questions</b>
	<b>Young researchers, awards</b>
	<b>Closing words</b>

**August 23, 2010**

Time	<b>August 23, 2010</b>
	<b>Rooms 1 and 2</b>
08.30 13.15	<b>Post congress Courses</b>
	<b>Old Court House, Aleksanderinkatu 20</b>
14.00- 15.00	<b>Helsinki City Mayor's reception</b>

	<b>Poster session</b>
P1	Physiological Effects of Laser Therapy on Normal and Hyperthyroid Female Rabbits N.S. Al-Mustawfi, F.R.M. Ihsan, T.S. Azawi
P2	Evaluation of the Effect of Low Energy Laser Irradiation of the Blood on the Absorption of the Antibiotics F.R.M. Ihsan, M.S. Mahdi, R. Al- Magsosy
P3	Effects of LLLT on the peri-arthritis of the shoulder: A clinical study on different treatments with low level laser therapy, corticosteroid injections or a wait-and-see policy G. Tam
P4	Clinical efficiency of application of combined laser therapy for treatment of patients with bronchial asthma associated with gastroesophageal reflux disease A.V. Nikitin, D.A. Malyukov, L.A. Titova
P5	Laser doppler microcirculation and temperature monitoring during continuous violet ('blue') laser stimulation G. Litscher, T. Huang, L. Wang, W. Zhang
P6	Low-level-laser therapy for treating acute pancreatitis A.V. Geynits, N.T. Gulmuradova
P7	Russian laser medicine on its way to integrate into the world medical science and practice A.V. Geynits, V.N. Kamenskaya, G.I. Tziganova, N.I. Vialtzeva, A.A. Alexeeva
P8	The investigations of changes of blood microcirculation and temperature during low level laser therapy A. Dunaev, E. Zherebtsov, D. Rogatkin, K. Litvinova
P9	Photodynamic Therapy with Nanoparticles A. Douplik
P10	Acupuncture and laser therapy for prevention and treatment of functional abnormalities in early postoperative period in cancer patients A.A. Degtyaryova, M.A. Kaplan
P11	Reflexo-laser treatment of phantom pain in the early postoperative management of cancer patients A.A. Degtyaryova, M.A. Kaplan
P12	The semi-guide laser in the reconstruction otorinolaryngology A.A. Blotsky, M.U. Tseplyaev, E.S. Elanskaya
P13	Systemic photodynamic therapy (SysPDT) and electrochemical lysis (ECL) in combined therapy of breast cancer E.V. Goranskaya, A.M. Shubina, M.A. Kaplan, S.D. Fomin, V.N. Kapinus, M.V. Taibova
P14	Vessel density modulation detection in skin model by using spatially resolved diffuse reflectance techniques for application of early sign of shock detection R. Kanawade, Y.-J. Chen, G. Saiko, A. Douplik
P15	The effect of diode laser (645 nm) on the treatment of epidermis diseases for different colors skin in PDT F.H. Mustafa, M.S. Jaafar, A.H. Ismail
P16	Spectrophotometry at patients with double-step intravenous introduction of a photosensitizer E.V. Yaroslavtseva-Isaeva, M.A. Kaplan, I.S. Spichenkova, N.I. Sokol
P17	Experience of laser application in oral surgery S.V. Tarasenko, I.V. Tarasenko
P18	Combined use of TUR and laser ablation in the treatment of bladder cancer P.V. Glybochko, A.N. Ponukalin, V.M. Popkov, A.Yu. Korolyov, V.Yu. Mikhailov, G.E. Brill
P19	Clinical evaluation of condition of the cervix of the uterus after application of surgical laser equipment with different wavelengths E.L. Nezhentseva, L.V. Ivanova, Yu.S. Shishkina, I.P. Savinov
P20	Development of Laser Surgery Navigation for Tissue-Specific Laser Surgery and Laser Tumor Removal A. Zam, F. Stelzle, I. Terwey, K. Tangermann-Gerk, W. Adler, E. Nkenke, M. Schmidt A. Douplik
P21	Allergic rhinitis laser surgery N.V. Valova, A.A. Blotsky
P22	Thermal damage modeling for investigation the role of hair density in laser hair removal A. Shirkavand, S. Sarkar, L. Ataie-Fashtami, M. R. Alinaghizadeh
P24	Photohemotherapy with red light for treating bronchial asthma V.I. Karandashov, E.I. Ostrovsky
P25	Devices for phototherapy based on modern nanotechnologies V.I. Karandashov
O23	Application of laser, light-emitting diode monochromatic and polarized polychromatic radiation in complex treatment of degenerative-dystrophic dorsopatia A.K. Vasilkin, V.V. Kirjanova, N.M. Joulev, V.A. Jirnov

**Preliminary Program Pre- and Post-congress Courses**Friday 20<sup>th</sup> and Monday 23<sup>rd</sup> August 2010**August 20, 2010, Friday****Room 1**

8.00-10.00	<b>Registration</b>	
10.00-13.30	Laser safety (in English and Finnish)	P. Smalley

**Room 2**

10.00-11.30	Cellular and molecular mechanisms of laser and LED phototherapy (in Russian)	G. Brill
11.30-13.00	Laser aesthetic surgery and laser cosmetics (in Russian)	R. Chumak, A. Mamiev

**Room 1**

14.00-15.30	Various effects of different colours in phototherapy	L. Gasparyan
15.30-17.00	Laser therapy for the treatment of diabetes and internal diseases	A. Mäkelä
17.00-18.30	Quantum physics (laser related issues)	H. Romberg

**Room 2**

14.00-16.00	Laser aesthetic surgery and laser cosmetics (in English)	R. Chumak, A. Mamiev
16.00-18.00	Clinical applications of LED therapy	A. Korobov

**August 21, 2010, Saturday****Room 3**

17.00-18.00	Laser treatment of the inner ear organ	L. Wilden
-------------	--	-----------

**August 23, 2010, Monday****Room 1**

8.30-10.00	New laser technologies and techniques	H. Romberg
10.00-11.30	Laser and electro-laser acupuncture: new life of old therapy	A. Mäkelä
11.30- 13.15	Lasers in neurology	A. Mäkelä

**Room 2**

8.30-10.00	Intravenous laser therapy	L. Gasparyan
10.00-11.30	New developments in PDT	M. Kaplan
11.30- 13.15	Cellular and molecular mechanisms of laser and LED phototherapy	G. Brill



**MEDICAL CENTER AMORIYA IS:**



Member of EMLA and IALMS  
 Laureate of Grand Prix 2009 - 1st International Prize "Grace"  
 Double winners of 2009 - Russian National Award  
 Our Top-manager was recognized as "Person of the Year 2009" (Russia)  
 Our plastic surgeon was awarded the title  
 "Best plastic surgeon of the Year 2009" (Russia).

**SERPUKHOVSKAYA STR.,22**  
**ST. PETERSBURG, RUSSIA**  
**+7 812 3162719**  
**WWW.AMORIYA.RU**

**CONTACT INFORMATION:**

Medical centre Amoria is one of the leading clinics working in aesthetic medicine. We have variety of services and cutting edge equipment. The highly trained professionals with holistic approach in each individual problem work in our clinic.



Diode surgical laser  
**Diolan**  
 for vessels treatment

JSC „NPP VOLO“  
 Russia, St. Petersburg, 17th Line V. O., 4-6  
 +7 812 323 75 55  
<http://lasermed.volo.ru>  
[mail@volo.ru](mailto:mail@volo.ru)

**Application:**  
 - transcutaneous laser ablation of skin vessels with special module;  
 - endovenous laser varicose treatment with the unique radial irradiation fiber.

**Technical novelties:**  
 - unique contact system for contact  
 dynamic skin cooling by air-water texture;  
 - feedback system for control of dosage of laser irradiation during all laser operations on vessels.



Wavelength: 940 or 980 nm  
 Power: up to 75 Watts

