



**Laser international medical congress
with Celebration of EMLA 30th anniversary
Opatija- Croatia, June 28th-30th, 2012**

SECOND ANNOUNCEMENT

Dear colleagues,



It is our great pleasure to invite you to Laser international medical congress 2012, that will take place in town Opatija, Croatia in Grand hotel Četiri opatijska cvijeta. The purpose of this congress is to show new researches and knowledges in field of laser application in medicine with analysis and recommendations for laser application in future.

Congress will bring together *multidisciplinary* laser experts from all over the world that are using thermal or surgical laser and athermal or low power lasers (LLLT) in basic science and clinical applications. We are certain that congress programme will be interesting for all practitioners who use lasers in they everyday practice as well as for those who are considering to do so. We should all unite our knowledge and passion toward laser application following motto of our international multi-authors books Lasers in medicine, science and practice (see www.lasermedico.ch) – *Viribus unitis!* (We are stronger together)

The laser medicine and technology are rapidly marching ahead. They are developing probably faster then any other segment of science, presenting new ways in medicine, surgery, dentistry and many other medical fields. As one of the pioneers in this field of medicine with clinical experience of more than 30 years, I cannot but ask: *Quo vadis, or where are you going laser? Where are the limits of laser application in technology and medicine?* The main purpose of our congress is to try to answer to these questions.

It our particular privilege to host and organise 30th anniversary celebration of the European medical laser association (EMLA).

We hope that you will see that this congress is the great opportunity for you to improve your knowledge in professional sense, to exchange experiences with your international colleagues and also a chance to have very pleasant and interesting holiday in attractive town Opatija on the Adriatic coast town with beautiful nature, rich history and culture.

Hope to see you in Opatija,

Zlatko Simunovic, MD, FMH, ass.prof
Organisator and honorary president of EMLA

CONGRESS GENERAL INFORMATION:

Date: 28-30th June 2012

Location: Opatija, Grand hotel četiri Opatijska cvijeta, <http://www.milenijhoteli.hr/mil/hr/hotelihr/milenij-grand-hotel-4-opatjska-cvijeta>

Official language: english

Main topics:

- Basic science
- Thermal or surgical laser:
- Athermal or low power laser (LLLT)
- Dentistry thermal and athermal laser
- Workshops
- Exhibition

In: physics, biophysics, oncology, dermatology, laser acupuncture, rheumatology, neurology, photodynamic therapy, ENT, ophthalmology, surgery, dentistry, holistic medicine, laser safety etc.

Congress scientific coordinators : Zlatko Simunovic, MD, FMH, ass. prof, Switzerland
Kresimir Simunovic, DDS, M.Sc., Laser klinik, Zurich, Switzerland
Dijana Kanjuh, univ. bacc. oec, Opatija, Croatia

Congress general secretary: Dijana Kanjuh, univ. bacc. oec, Opatija, Croatia

Assistant to secretary: Kristina Brlek, Opatija, Croatia
Eugen Brlek, Opatija, Croatia

Contact information: e-mail : info@lasermedico.ch
Web site: <http://www.laser-opatija-2012-congress.com/>

Preliminary confirmed speakers and topics (alphabetical):

- prof Abrahamse Heidi, MD (South Africa) : *Potential use of low intensity laser irradiation in stem cell therapy*
- Ailioaie, Laura MD; Ailioaie, Constantin MD (Romania) : *Photobiomodulation and Self-organization in Immune-Mediated Inflammatory Diseases*
- Ailioaie, Laura MD; Ailioaie, Constantin MD (Romania): *Intravenous Laser Blood Irradiation and Biological Agents in Juvenile Arthritis*
- Brozićević, Vlasta, MD (Croatia)- topic to be confirmed
- Aluani, Peter MD (Austria): *Pain syndromes, hearing loss and Low Level Laser therapy - studies and case report*
- prof Bahr Frank, MD (Germany): *Energy as Medicine - The energy*
- Diaz -Yanes Francisco, MD (Spain): *Intersphincteric approach for fistula in ano 135 cases*
- Diaz -Yanes Francisco, MD (Spain): *Laser Hemorrhoidectomy 1500 cases*
- Diaz -Yanes Francisco, MD (Spain): *New Selective Laser Induced Melting (SLIMLIPO LASER) for lipodistropia and Hiperhidrosis Axilla*
- Dobravac, Denis bacc. physio (Croatia): *High Intensity Laser Therapy in the treatment of gonarthrosis*
- Hourelde Nicolette, MD, Prof Abrahamse Heidi, MD (South Africa): *Irradiation at 660 and 830 nm stimulates collagen production in diabetic wounded human skin fibroblast cells*
- prof Hofstetter Alfons, MD (Germany)- *Photodynamic therapy by carcinoma of prostate (experimental research)*
- Harila Anne, MD (Norway): *LLLT-for Scoliosis*
- Ass. prof Ilić -Stojanović Olivera, MD PhD FEBPRM (Serbia): *The importance of choice of radiation parameters and application site for the efficiency of laser therapy in musculoskeletal disorders*
- Jadaud Eric, MD (France): *Low level laser therapy in the management of oral mucocitis*
- Jost, Franz MD (Switzerland) - *Treatment over the connection of the energy levels with the laser*
- prof Kaplan Isaac, MD (Israel)- *Four decades of Laser surgery*
- prof Karu Tiina, MD (Russia): *Cellular and molecular mechanisms of phototherapy with red to near infrared light*
- prof Klima, Herbert PhD (Austria) : *Holistic medicine*
- Kozarev Jasmina, MD (Serbia) : *Laser treatment of scarring skin disorders*

- Lazić, Ratimir MD (Croatia): *Laser photocoagulators in ophthalmology*
- prof Litscher Gerhard, PhD (Austria): *Laser Acupuncture - A General Overview and New aspects from Transcontinental Research Studies*
- Lubart Rachel PhD (Israel): *Using light and metal oxides nanoparticles to treat chronic wounds.*
- Lučin, Jadranka bacc. physio. (Croatia) : *Cervical syndrom and neck pain treatment*
- Lučin, Jadranka bacc. physio. (Croatia) : *Treatment od achilles tendinosis*
- Marti, Draga MD; prof Marti, Peter MD (Switzerland) : *The new aspect of the Low Level Laser Therapy applied on patients suffering either from rhinitis allergica, asthma bronchiale or eczem*
- Marti, Draga MD; prof Marti, Peter MD (Switzerland): *The application of a Low Level Laser treatment applied in case of low back pain*
- prof Moritz Andreas (Austria) , DMD:*Laser assisted dentistry : state of the art...one analysis for today and one for the future*
- Mistura Dean bacc.physio. (Hrvatska): *Treating overuse injuries in athletes with laser: Our experience*
- prof Ohshiro Toshio, MD (Japan): *History of Japanese Society for Laser Reproduction (JaSLaR)*
- Pelletier Michele, MD (France): *Herpes cutaneous diseases: A Valuable help.....*
- prof Rau Krishna,MD (India)- *Endo Bronchial Laser Therapy in Airway obstruction*
- Rhee ChungKu,MD (Korea) : *Cochlea Hear Cell Rescue after a Noise-Induced Hearing Loss using a Low Level Laser*
- Rhee ChungKu,MD (Korea): *The optimal time to treat noise-induced hearing loss (NIHL) with low level laser therapy (LLLT)*
- prof Rochkind, Shimon, MD (Izrael): *Effectiveness of Laser Phototherapy for Peripheral Nerve Recovery and Related Motor Function*
- Romberg, Hans, PhD (Germany): *Theoretical aspects to laser acupuncture*
- Romberg, Hans, PhD (Germany): *Basics: what is the difference between laser light and LED? Which properties may be important for medical usage of both? What is power, power density, dose, absorption, penetration depth, etc., and how do these influence possible treatments?*
- Romberg, Hans, PhD (Germany): *Is there really a threshold observed in LLLT? Is there a threshold based on quantum physics? A simple model for the biphasic dose-effect relation observed in LLLT*
- Romberg, Hans, PhD (Germany): *Physical constraints for the use of frequency modulation in laser blood irradiation in human and non-human animals*
- Roth , Lothar MD (Switzerland): *Treatment approach on burn-outs - possibilities and borders of the TCM therapy*
- Samoilova A.Kira PhD (Russia): *Mechanisms of therapeutic effects of visible and infrared light.*
- Samoilova A.Kira PhD (Russia): *Antitumor effects of visible and infrared light*
- Scholtes , Christoph MD: (Switzerland): *Treatment of chronic diseases with RAC-controlled accupuncture*
- Simunovic Kresimir, DMD, MSc (Switzerland)- *Twinlight Endodontic Treatment : an innovative combination of Er:YAG and Nd:YAG for a long and successful endodontic treatment.*
- Simunovic Kresimir, DMD, MSc (Switzerland) : *Twinlight Periodontic Treatment : new protocols for closed or open treatment of gingivitis, periodontitis, peri-mucositis and peri-implantitis involving Er:YAG, Nd:YAG and Diode, with accents on new ways of a PDT and PAD (workshop)*
- Simunovic Kresimir, DMD, MSc (Switzerland) : *Er:YAG as Teamleader in oral soft- and hard tissue surgery : new aspects about pulse durations in combination of power and their impact on oral tissue. (workshop)*
- Simunovic Kresimir, DMD, MSc (Switzerland) : *Laser assisted bleaching three wavelengths (Er:YAG, Nd:YAG and Diode), two chromophores, one goal.*
- Simunovic Kresimir, DMD, MSc (Switzerland) : *How laser assisted dentistry changed the quality of my professional life... basics and topics.*
- Simunovic Zlatko, MD (Croatia): *Herpes virus infection-Photobiostimulation (LLLT) aplied as mono therapy in treatment of human pathogen herpes virus*
- Simunovic Zlatko, MD (Croatia): *Low level laser therapy (LLLT)-photobiostimulation applied as mono therapy or complimentary therapy with antibiotic in treatment of acne vulgaris*
- Simunovic Zlatko, MD (Croatia) : *The effectivness of low laser therapy (LLLT) in the treatment of cases in traumathology-sport and traffic injuries*
- Stakić, Tatjana bacc. physioth. (Croatia): *Treatment of painful shoulder syndrome (periarthritus humeroscapularis)*
- Suwanda, Sandi MD (Switzerland): *Yang in Yang*
- Tuđman Zdenko,MD (Croatia); Ostojić Vedran MD (Croatia): *Laser therapy in tracheobronchial diseases-Twenty five years experience*
- Vaitkuvienė, Aurelija MD,PhD , Vaitkus, Juozas Dr.sc (Lithuania): *"Photodiagnosis by autofluorescence and vibrational spectroscopy"*
- Vieru-York Rozana Dana DMD (USA): *Laser and Periodontal Disease*

- Vieru-York Rozana Dana DMD (USA): *Holistic Approach to Laser Dentistry (workshop)*
- prof Vogl Thomas, MD (Germany): *Laser-induced thermotherapy (LITT) versus microwave ablation (MWA) versus radiofrequency ablation (RFA): Technique and results in primary hepatocellular carcinoma (HCC) and liver metastases*
- prof Vogl Thomas, MD (Germany): *Laser-induced thermotherapy (LITT) versus microwave ablation (MWA) versus radiofrequency ablation (RFA): Technique and results in primary and secondary lung cancer*
- Volovec Lidija, MD (Slovenia): *Fotona lasers in aesthetic medicine practice- An overview*
- Volovec Lidija, MD (Slovenia): *Skin rejuvenation with fractionated ablative ER:YAG laser*
- prof Watban Farouk, MD (Saudi Arabia): *Laser Biomodulation of Normal and Neoplastic Cells*
- prof Weber Michael, MD (Germany): *Interstitial and intraarticular laser therapy – a new option for difficult pain syndromes and advanced osteoarthritis*
- prof Weber Michael, MD (Germany): *The intravenous laser blood irradiation, a new therapeutic approach in immunology, metabolic and cardiovascular diseases and cancer therapy*
- Wilden Lutz, MD (Germany): *Inner ear therapy with LLLT (workshop)*
- Wilden Lutz, MD (Germany): *The absorption behaviour of oxygen and the mitochondrial energy transfer-the importance of electromagnetic radiation*
- Wilden Lutz, MD (Germany): *The different response of the main symptoms of inner ear exhaustion to a aspecific high dosage low lever lasertherapy*
- Wirz, Andreas MD (Switzerland)- *Energy supply - no adjustment between Yin and Yang - but real adjustment*
- Zambelli Mario, MD (Croatia)- *Surgical versus laser therapy of facial rejuvenation*



Ministarstvo zdravlja



University of Rijeka - School of Medicine

Under patronage:

Congress coordinators:



Affiliated societies and organisations:



International Society for Medical Laser Applications



LED ACADEMY



LASER KLINIK, ZURICH

POLIKLINIKA ZAMBELLI