



European
Medical
Laser
Association



ELA
EUROPEAN LASER ASSOCIATION



12th INTERNATIONAL EMLA CONGRESS

IN CONJUNCTION WITH WALT, ELA and CSULM-CLS JEP

LASER PRAGUE 2007

20th - 22nd September 2007



**The 12-th International Congress
of the European Medical Laser Association (EMLA)
in conjunction with the World Association of Laser Therapy (WALT),
ELA (European Laser Association),
CSULM-CLS JEP (Czech Society for Use of Laser in Medicine)**

Final Program

**LASER PRAGUE 2007
Prague, Czech Republic
Thursday 20th – Saturday 22nd September 2007**



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**We wish to express our gratitude for the financial support from:
the Municipality of Prague 3**



and the Exhibitors:

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**On behalf of EMLA and Laser Prague 2007 Congress
Premysl Fryda, CEO European Medical Laser Association**

Coming soon...

Laser Helsinki 2008 (23rd – 24th August)
13th International Congress of EMLA (European Medical Laser Association), in
conjunction with EMLA Finland and MAL (Medical Acupuncture and Laser)
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EMLA Welcome Address

Dear Colleagues Dear Friends:

It is a great pleasure for us to cordially invite you to attend the 12th Congress of EMLA (European Medical Laser Association) that will be held in Prague (CZ), Europe, from 20th to 22nd September, 2007. We are very proud that we can organize this international congress in conjunction and close co-operation with WALT (World Association of Laser Therapy; our motto: viribus unitis). I would like to thank president professor Farouk Al-Watban and other colleagues for their invaluable collaboration.

EMLA-WALT is a multidisciplinary congress where knowledgeable professionals from Sciences, Medicine & Technology and all other attendees will receive high level of experience and varied backgrounds and will find opportunities to sum up research activities in both clinical and basic aspects of laser medicine, surgery and dentistry.

The congress is a unique opportunity to increase dialogue between scientists and clinicians and to learn about the latest developments in applications for patient's therapy.

We welcome you and are looking forward to meeting you in September 2007 in beautiful Prague where we will be discussing the present and the future of laser medicine, surgery and dentistry. I wish you all an interesting and enjoyable conference, great days in this beautiful city, full of social activities, memorable events, new friendships.

Stay up to date, apply laser in medicine, primum nihil nocere.

Sincerely yours

Ass. Prof. Zlatko Simunovic, MD, FMH

Specialist in Anesthesiology, Switzerland

Former Head of Dept. of Anesthesiology and Intensive Care Unit, Pain Clinic - Laser Center.

Honorary President of European Medical Laser Association - EMLA

WALT Welcome Address

Dear Colleagues,

It is my pleasure to invite you to attend and participate in the upcoming 12th Congress of EMLA "LASER PRAGUE 2007" on 20th – 22nd September 2007 supported by WALT.

The congress will present new advances in laser applications in the various medical and surgical fields focusing on the "Current and Future Issues in the Convergence of Surgical and Therapeutic Lasers."

We encourage all WALT members, Scientists, Physicians, Physical Therapists, Nurses, Engineers and all interested Non-Medical individuals to take advantage of this grand opportunity to be profoundly acquainted with the modern frontier of scientific laser research and on the benefits of Surgical and Therapeutic Laser Applications in beautiful Prague with overwhelming People and Social Atmosphere.

Thank you

Farouk A.H. Al-Watban, Msc, Phd, FASLMS

World Association for Laser Therapy (WALT) President

Principal Scientist, Laser Medicine Research

King Faisal Specialist Hospital & Research Centre

Riyadh, Kingdom of Saudi Arabia

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- Zlatko SIMUNOVIC, EMLA Honorary President
- Přemysl FRÝDA, EMLA Chief Executive Officer
- Levon GASPARYAN, EMLA Member of Executive Committee
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Coordinating Council of Laser Prague 2007 Congress:

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- Anu MAKELA, Secretary, EMLA (European Medical Laser Association)
- Levon GASPARYAN, Head Coordinator, EMLA (European Medical Laser Association)
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- Mario TRELLES, Head Coordinator, SELMQ (Spanish Surgical Laser Society)
- Leos NAVRATIL, Head Coordinator, RBS (Czech Society for Medicine of Catastrophes)
- Les JONSSON, Head Coordinator NZTLA (New Zealand Therapy Laser Association)
- Alexander GEINITZ, Head Coordinator, Director, State Center of Laser Medicine, Russia.

Laser Prague 2007 Congress Organizers and Secretariat:

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Laser Prague 2007 Congress International Scientific Advisory Board:

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Registration

Registration Categories:

Members of EMLA, WALT, ELA, ČLS
Non-members
Students
Accompanying persons

On site registration

333 Euro
405 Euro
200 Euro
200 Euro

Social Events

Welcome Reception

Date: 20 September 2007

Time: 19:00

Pyramida Hotel

Entrance is included in the participant's fee.

Gala Evening

Date: 21 September 2007

Time: 19:30

Brevnov Monastery

Admission is included in the Member, Non-Member registration fee.

Tours

Prague City Tour

Date / Time: 21 September 2007 / 13:00 - 17:00

Price pp: included in the Accompanying Person registration fee

Price includes: Eng. sp. guide, 2 transfers, no admissions

This tour offers a general impression of the "Golden City" through walks and visits to several important sites. It starts at Prague Castle and continues to the Lesser Town, Charles Bridge and the Old Town Square where you can see the Old Town Hall and its 15th century astronomical clock, as well as the Church of Our Lady of Tyn and Royal Way romantic street. Enjoy this tour listening to ancient legends and tales and at the same time observing and monitoring the pulsation of a modern middle-European metropolis.

Guided tour to Prague 3 Jewish Cemetery

For those who are interested in tours within Prague or the Czech republic, please contact the Congress Secretariat at the congress' registration desk.

Laser Prague 2007 Congress Program

September 20, 2007

Time	Prague 3, Jarov Rehab Clinic, September 20, 2007
10.00 10.30	EMLA Pre-Congress International Executive Committee Meeting (for committee members only)
10.30 11.00	Joint Meeting of EMLA – WALT – ELA – CSULM-CLS JEP Coordinating Committee (for committee members only)

Time	Pyramida hotel, September 20, 2007
12.00 14.00	Registration (Lobby area)
	Congress Hall 2, September 20, 2007
14.00 15.00	Opening words and Welcome greetings

Time	Congress Hall 2, September 20, 2007
	Plenary session of the Scientific Council of Laser Prague 2007 Congress: Local and systemic effects of laser light (1.1) Chair: M.Prochazka, S.Rochkind
15.00 15.20	QUO VADIS, LLLT? Miroslav Prochazka
15.20 15.40	LASER MEDICAL TECHNOLOGIES IN PRACTICAL MEDICINE IN RUSSIAN FEDERATION Alexander Geinitz
15.40 16.10	ADAPTOGENIC EFFECTS OF LOW POWER LASER RADIATION G. Brill, I. Budnik, L. Gasparyan
16.10 16.30	RADIOPROTECTIVE EFFECT OF LOW LEVEL LASER Freitinger Skalická Zuzana; Havránková, Renata; Scheinost, Ondřej; Navrátil, Václav; Navrátil, Leoš; Havránek Jiří
16.30 17.00	PHOTODYNAMIC THERAPY OF MALIGNANT NEOPLASMS: FROM EXPERIMENTS TO CLINICAL PRACTICE M. Kaplan, V. Kapinus, E. Yaroslavtseva-Iaseva, I. Spichenkova, V. Mardynskaya, A. Malygina, N. Burmistrova
17.00 17.15	Coffee break

Time	Congress Hall 2, September 20, 2007
	Plenary session: Laser safety and surgery (1.2) Chair: P.Smalley, S. Rochkind
17.15 17.45	LASER SAFETY – BEYOND SIGNS AND GOGGLES Penny J. Smalley
17.45 18.05	LASER SAFETY FOR BIOSTIMULATION IN CHILDREN Ailioaie Laura, Ailioaie C., Chiran D.A.
18.05 18.35	NEW NERVE CELL-TISSUE ENGINEERING MODALITY AND LASER TECHNOLOGY FOR TREATMENT OF COMPLETE PERIPHERAL NERVE AND SPINAL CORD INJURY Shimon Rochkind
18.35 19.00	WHAT'S BETTER PROSTATE STRATEGY - DRUGS AND "WAIT&SEE" -OR EARLY HLLT THERAPY (1296 CASES IN UROLOGY DAUN/EIFEL) H. Hainz
	Pyramida hotel, September 20, 2007
19.00 19.30	Welcome Reception
19.30 21.00	EMLA Executive Committee Meeting (for committee members only)

September 21 2007

Time	Congress Hall 2, September 21, 2007
	Plenary session: Lasers in Oncology, Laser PDT and systemic PDT (2.1) Chair: M.Kaplan, L.Gasparyan
8.30 9.00	PHOTODYNAMIC EFFECTS OF COPROPORPHYRIN III Petrishchev N.N., Malkov M.A., Galebskaya L.V., Solovtsova I.L., Melnikov A.S.
9.00 9.30	THE INTRAVENOUS PHOTODYNAMIC THERAPY OF ONCOPATIENTS WITH THE THIRD-FORTH STAGE OF TUMOUR PROCESS. Shubina A.M., Kaplan M.A., Borgul O.V., Kapinus V.N.
9.30 10.00	NEW ASPECTS OF CLINICAL APPLICATION OF PDT WITH PHOTOLON® (FOTOLON®) Petrov P.T., Trukhachova T.V., Marchanko L.N., Kaplan M.A., Shliakhtsin S.V., Isakau G.A., Lapzevich T.P., Istomin Y.P.
10.00 10.30	LASER THERAPY IN ONCOLOGY: THE THEORY, CALCULATIONS AND CLINICAL RESULTS Ovsyannikov V.A., Gelfond M.L., Gosteva S.N., Zharinov G.M., Malisheva L.G.
10.30 11.00	Coffee break and exhibition

Time	Congress Hall 2, September 21, 2007	Time	Meeting room 3, September 21, 2007
	Laser PDT and systemic PDT (2.2) Chair: M. Kaplan, L.Horak		Laser light and skin, aesthetic surgery (2.3) Chair: Z.Simunovic, S.Mokmeli
11.00 11.20	PHOTODYNAMIC THERAPY WITH CHLORIN PHOTOSENSITIZERS ON THE CENTRAL LUNG CANCER Ragulin Yu.A., Kaplan M.A., Medvedev V.N., Kapinus V.N.	11.00 11.20	EFFICACY OF LOW LEVEL LASER THERAPY (LLLT) IN REDUCTION OF OEDEMA AND HEMATOMA AFTER FACE LIFTING (RHITIDECTOMY): (CASE SERIES) Nikou Khorsand T., Mokeli S., Sharifi S., Varasteh Kia Gh.
11.20 11.40	EXPERIMENTAL PHOTODYNAMIC THERAPY WITH DISULFONATED HYDROXYALUMINIUM PHTHALOCYANINE OF HUMAN COLORECTAL CARCINOMA J. Stukavec, L. Horak, V. Duchac, T. Jirasek, P. Pouckova	11.20 11.40	LOW LEVEL LASER THERAPY (LLLT) APPLIED AS MONOTHERAPY IN TREATMENT OF HUMAN PATHOGEN HERPES VIRUS INFECTION: CLINICAL RESEARCH WITH DOUBLE BLIND (PLACEBO) AND CONTROL GROUP Z. Simunovic
11.40 12.00	PHOTODYNAMIC THERAPY (PDT) WITH PHOTOSENSITIZER "PHOTODITASIN" IN PSORIASIS Shubina A.M., Kaplan M.A.	11.40 12.00	LOW LEVEL LASER THERAPY (LLLT) APPLIED AS MONOTHERAPY OR COMPLIMENTARY THERAPY WITH ANTIBIOTIC IN TREATMENT OF ACNE VULGARIS: CLINICAL RESEARCH WITH DOUBLE BLIND (PLACEBO) AND CONTROL GROUP Z. Simunovic
12.00 12.20	PHOTODYNAMIC THERAPY OF CERVICAL INTRAEPITHELIAL NEOPLASIA WITH PHOTOLON® (FOTOLON®) T.P. Lapzevich, Y.P. Istomin, P.T. Petrov, T.V. Trukhachova, V.N. Chalov	12.00 12.20	NONSURGICAL REDUCTION MAMMOPLASTY BY LOW POWER LASERS Majlesi Gholamreza
12.20 12.40	NON-CLINICAL EVALUATION OF TOPICAL DOSAGE FORM OF PHOTOSENSITIZER PHOTOLON® (FOTOLON®) P.T. Petrov, T.V. Trukhachova, S.V. Shliakhtsin, T.P. Lapzevich, Y.P. Istomin	12.20 12.40	COSMETIC EFFECTS OF LASER THERAPY AFTER CO2 LASER RESURFACING AND SURGICAL SCARS Majlesi Gholamreza
12.40 13.00	Discussion	12.40 13.00	Discussion
13.00 14.00	Lunch break and exhibition		
	Pyramida hotel, September 21, 2007		
13:00 14:00	Meeting of the Committee of the Czech Society for the Use of Laser in Medicine (for committee members only)		

Time	Congress Hall 2, September 21, 2007	Time	Meeting room 3, September 21, 2007
	Biological and clinical applications of lasers (2.4) Chair: N.Petrishchev, A.Makela		Laser dosimetry and wavelengths (2.5) Chair: J.Carrol, H.Romberg
14.00 14.20	BIOLOGICAL AMPLIFICATION OF EFFECTS OF LOW LEVEL LASER IRRADIATION Petrishchev N.	14.00 14.20	IS THE ARNDT-SCHULZ RULE REALLY VALID? CHOOSING THE RIGHT DOSE - IT'S THE TERRAIN! Rindge, D
14.20 14.40	CLINICAL APPLICATIONS AND METHODS OF LASER BLOOD IRRADIATION Gasparyan L.V., Makela A.M	14.20 14.40	PROPERTIES OF REAL PHOTOTHERAPY LASERS Romberg, H.
14.40 15.00	LIGHT SOURCES INSIDE OF US. PHOTON EMISSION FROM DIFFERENT BLOOD CELLS (REVIEW) Makela A.	14.40 14.55	EVALUATION OF RADIOLOGY PERSONNEL PRACTICE OF MAZANDARAN UNIVERSITY OF MEDICAL SCIENCES Seyed Ali Rahimi
15.00 15.15	OUR 25 YEARS OF EXPERIENCE – SOFT LASERS APPLICATION IN CASE OF CHILDREN'S AND ADULTS' DISEASE Arnaoudova-Petkova A.	14.55 15.15	A 3D MODEL FOR LOW LEVEL LASER / LED THERAPY BIOSTIMULATION AND BIOINHIBITION Carroll JD
15.15 15.30	THE RELIEF OF CHRONIC LOW BACK PAIN IMMEDIATELY AFTER ONE SESSION OF LOW LEVEL LASER ACUPUNCTURE THERAPY: AN EVALUATION OF THE EFFECT OF PRAYER AFTER SIX MONTHS. Houssien D.	15.15 15.30	WHY THE SAME LASER PROTOCOLS CAN HAVE DIFFERENT CLINICAL RESULTS Gasparyan L.
15.30 15.50	Coffee break and exhibition		

Time	Congress Hall 2, September 21, 2007	Time	Meeting room 3, September 21, 2007
	Optoelectronic and biomedical applications, certification (2.6) Chair: P.Fryda, E.Tavadzis		Laser orthopedics, traumatology (2.7) Chair: G.Tam, W.Banzer
15.50 16.05	ISO 9001:2000 CERTIFICATION OF QUALITY: A MUST FOR MODERN PRIVATE LASER CLINICS Premysl Fryda	15.50 16.05	EFFECTS OF LASER NEEDLE STIMULATION IN SPONTANEOUS OSTEONECROSIS OF THE KNEE (SONK) – REPORT OF A CASE Banzer W., Hübscher M., Schikora D.
16.05 16.25	ISO 9001:2000 IN HEALTH CARE SECTOR Evangelos Tavandzis	16.05 16.20	THE EFFECTS OF 830 NM LASER, AT TWO DIFFERENT FLUENCES, ON THE FEMURS OF OSTEOGENIC RATS Ana Claudia Muniz Renno, Fernanda Mendes de Moura, Nádia Slemer Andrade dos Santos, Renata Passarelli Tirico , Paulo Sérgio Bossini , Nivaldo Antonio Parizotto
16.25 16.45	CONSTRUCTION OF A DEVICE TO ESTIMATE THE EFFECT OF LOW ENERGY LASER IRRADIATION OF THE BLOOD ON THE ABSORPTION OF THE ANTIBIOTICS Ihsan, F.R. Mohammed, Mohammed Salih Mahdi, Rami Al-Megsosi	16.20 16.35	LASERSHOWER AGAINST CHRONIC SHOULDER AND KNEE PAIN. A PROSPECTIVE STUDY Michael Weber
16.45 17.05	DESIGN AND EVALUATION OF EXCITATION LIGHT SOURCE DEVICE FOR FLUORESCENCE ENDOSCOPE Hyun Soo Lim	16.35 16.50	EFFECT OF GALLIUM ALUMINIUM ARSENIDE (GAL-AL-AR) LASER TOGETHER WITH EXERCISE ON THE PAIN OF KNEE OSTEOARTHRITIS H. Morshedi, H. Farahini, F. Reazi
17.05 17.25	THE EFFECTS OF LOW-LEVEL LASER RADIATION UPON THE STORED BLOOD Siposan G. D., Ciotirnae P.	16.50 17.05	EFFECTS OF LLLT ON THE PERIARTHRITIS OF THE SHOULDER: A CLINICAL STUDY ON DIFFERENT TREATMENTS WITH LOW LEVEL LASER THERAPY, CORTICOSTEROID INJECTIONS OR A WAIT-AND-SEE POLICY ON LONG INTERVAL Giuseppe Tam

17.25 17.45	WHAT IS AN IDEAL LASER? Romberg H.	17.05 17.15	LOW POWER LASER TREATMENT IN OMARTHROSIS Danzigová Z., Pilnáčková B.
17.45 18.00	APPLICATION BIOLOGICAL FEEDBACKS AND METHODS OF TESTING FOR LOW LEVEL LASER THERAPY Dunaev A.V., Gasparyan L.	17.15 17.30	OVERCOMING THE LESS THAN SATISFACTORY RESULTS OF LOWER LIMB LOW LEVEL LASER THERAPY Les Jonsson
		17.30 17.45	BONE LOSS: THE EFFECTS OF 830 NM LASER ON FEMURS OF OVARIECTOMIZED RATS Ana Claudia Muniz Renno, Fernanda Mendes de Moura, Nádia Slemmer Andrade dos Santos, Renata Passarelli Tirico, Paulo Sérgio Bossini , Nivaldo Antonio Parizotto
		17.45 18.00	THE EFFECTS OF LOW LEVEL LASER THERAPY (LLLT) ON SPORT INJURIES (SI) IN WOMEN ATHELETS OF WOUSHO Mokmeli S., Daneshvar L., Soror N.
Pyramida hotel, September 21, 2007			
18.00 19.00	Meeting of the Executive Committee of the European Laser Association (ELA) (for committee members only)		
19.00	Meeting at the lobby of Pyramida hotel to go to Gala evening		
19.30	Gala Evening		

September 22, 2007

Time	Congress Hall 2, September 22, 2007
	Plenary session: Laser and light biomodulation (3.1) Chair: M.Dyson, U.Oron
8.30 9.00	LASER MODIFICATION OF PLATELET RESPONSE TO EPINEPHRINE G. Brill, I. Budnik, L. Gasparyan
9.00 9.30	THE MODULATION OF BLOOD VESSEL DEVELOPMENT BY PHOTOTHERAPY: MECHANISMS AND CLINICAL SIGNIFICANCE Mary Dyson
9.30 10.00	WHY THE SAME LASER PROTOCOLS CAN HAVE DIFFERENT CLINICAL RESULTS IN THE TREATMENT OF DIABETES – A REVIEW Makela A.M.
10.00 10.30	IMPLANTATION OF LOW-LEVEL LASER IRRADIATED MESENCHYMAL STEM CELLS INTO THE INFARCTED RAT HEART IS ASSOCIATED WITH REDUCTION IN INFARCT SIZE AND ENHANCED ANGIOGENESIS Hana Tuby, Lidya Maltz, and Uri Oron
10.30 11.00	Coffee break and exhibition

Time	Congress Hall 2, September 22, 2007
	Plenary session: Intravenous laser therapy, laser acupuncture, laser in combined therapy forms (3.2) Chair: F.A.H. Al-Watban, M.Trelles
11.00 11.30	LOW POWER LASER AND LED THERAPY OF MID-DERMAL BURNS IN THE NORMAL AND DIABETIC RATS F.A.H. Al-Watban, B.L. Andres, X.Y. Zhang, and A.A. Al-Anazi
11.30 12.00	LED THERAPY SPEED UP RECOVERY AFTER AESTHETIC LASER SURGERY Trelles, Mario
12.00 12.20	CONTINUOUS AND FREQUENCY-MODULATED LASER STIMULATION AND HIGH-TECH ACUPUNCTURE Litscher G.
12.20 12.40	MANAGEMENT OF CHRONIC PAIN IN PEDIATRIC RHEUMATIC DISEASES BY INTRAVENOUS LASER BIOSTIMULATION Ailioaie C., Ailioaie Laura, Chiran D.A.
12.40 13.00	THE NEW LASER-NEEDLEACUPUNCTURE IN CLINICAL APPLICATION Michael Weber
13.00 14.00	Lunch break and exhibition

Time	Congress Hall 2, September 22, 2007	Time	Meeting room 3, September 22, 2007
	Laser ENT (3.3) Chair: L.Wilden, M.Prochazka		Laser rehabilitation, neurology and cellular effects (3.5) Chair: G.Brill, G Litscher
14.00 14.20	LLLT IN OTONEUROLOGY Miroslav Procházka		
14.20 14.40	TREATMENT OF TINNITUS WITH LOW LEVEL LASER Chung-Ku Rhee, Jin-Chul Ahn, Heejun Hwang, Jangin Shin, Phil-Sang Chung	14.00 14.20	PRESENTATION OF RESULTS OBTAINED ON MULTIPLE SCLEROSIS BY THE LASERPONCTURE® TECHNIQUE Bohbot A.
14.40 15.00	GREEN LIGHT LASER IN CONNECTION TO TINNITUS D. Marti, P. Marti	14.20 14.30	CASE-STUDY: COLITIS ULCEROSA, TREATED WITH LASER IRRADIATION AND ELECTRICITY ON ACUPUNCTURE POINTS Fors, A.
15.00 15.15	APPLICATION OF LOW LEVEL LASER THERAPY (LLLT) IN TREATMENT OF CHRONIC TONSILLITIS: (CASE SERIES) Vatankhah Zohreh, Mokmeli Soheila	14.30 14.45	EFFECTS OF BLUE LIGHT WAVELENGTH 445 NM ON MORTON'S NEURINOMA Hakanen, O., Löytynoja, A., Qvintus, V.

15.15 15.35	THE BIOLOGICAL RESPONSIVENESS OF THE INNEREAR TO THE SPECIFIED HIGHDOSAGE LLL-THERAPY OF THE INNER EAR BY MORE THAN 4000 PATIENTS OVER 15 YEARS Lutz Wilden	14.45 15.00	PROMOTION OF REGENERATIVE PROCESSES IN INJURED PERIPHERAL NERVE INDUCED BY LOW LEVEL LASER THERAPY (LLLT) Ihsan, F.R. Mohammed, Nuha, Al- Mustawfi, Laith N. Kaka
	Congress Hall 2, September 22, 2007	15.00 15.15	LOW-LEVEL LASER THERAPY EFFICIENCY ON MYOCARDIAL ISCHAEMIA Tkachenko N.P., Kaplan M.A.
	Laser in dentistry, maxillofacial disease and oral cavity disorders (3.4) Chair: Sinyaeva M., Ingenegeren, Ingmar	15.15 15.30	LOW LEVEL LASER THERAPY (L.L.L.T.) ACCELERATES COLLATERAL CIRCULATION AND ENHANCES MICROCIRCULATION Ihsan, F.R. Mohammed
15.35 15.50	FLUORESCENCE DIAGNOSTICS OF TEETH ENAMEL MICRODAMAGES WITH THE USE OF ALUMINIUM PHTHALOCYANINE NANOPARTICLES Sinyaeva M., Mamedov Ad., Vasilchenko S., Volkova A., Loschenov V., Konov V., Kuzmin S.	15.30 15.45	THE EFFECT OF LOW LEVEL LASER THERAPY ON BLOOD PROLACTIN LEVEL IN NORMAL HEALTHY PARTURIENTS UNDERWENT CEASAREAN OPERATION Mokmeli S., Khazemikho N., Niromanesh Sh., Seadat Molana Kiaie.
15.50 16.05	LLLT USING THREE DIFFERENT WAVE LENGTHS IN PERIODONTITIS: POSITIVE EFFECT ON RADIOGRAPHIC INTRABONY DEFFECT OUTCOMES, HISTOLOGICAL REGENERATION AND BACTERIAL COUNT. IMPLICATIONS OF RANKL/OPG RATIO Svetla N. Koleva, Georgi N. Chaldakov	15.45 16.00	HISTOLOGICAL EFFECTS OF LOW POWER LASER WITH DIFFERENT FLUENCIES ON WHITE ADIPOSE TISSUE IN RATS Senhorinho, Halina C, Bichinho, Gerson L, Nohama, Percy and Gariba, Munir A
16.05 16.25	FULL LASER IMPLANT SURGERY Ingenegeren, Ingmar	16.00 16.20	EFFECT OF LLLT ON SKIN FIBROBLASTS OF STREPTOZOTOCIN-DIABETIC RATS Mansooreh Mirzaei, Mohammad Bayat, Nariman Mosafa, Zhale Mohsenifar, Abbas Piryaie, Babak Farokhi, Fatemehsadat Rezaei, Yousef Sadeghi, Mohammad Rakhshan
16.25 16.40	DECREASE IN THE NUMBER OF ALVEOLAR BONE OSTEOCLASTS AFTER LLLT (650 NM) IN RAT EXPERIMENTAL PERIODONTITIS. IMPLICATIONS OF TISSUE RATIO RANKL/OPG: HISTOMORPHOMETRIC, IMMUNOHISTOCHEMICAL AND ELECTRON MICROSCOPIC OBSERVATIONS S.N. Koleva, G. Chaldakov	16.20 16.40	THE ABSORPTION BEHAVIOUR OF OXYGEN AND THE MITOCHONDRIAL ENERGY TRANSFER – THE IMPORTANCE OF ELECTROMAGNETIC RADIATION (LIGHT) Lutz Wilden

POSTERS

POSSIBILITIES OF LLLT IN TREATMENT REPETITION STRAIN INJURY Navratil V., Hajkova S., Navratil L.
BIOCHEMICAL EFFECTS OF LIGHT IRRADIATION AND KININS Makela A.
MODIFICATION IN RELATIONSHIPS IN THE SYSTEM ENDOTHELIAL CELL – BLOOD PLATELET BY LOW LEVEL LASER IRRADIATION Brill G., Gasparyan L., Makela A.
CHANGES OF PRODUCTION OF SOME BIOLOGICALLY ACTIVE SUBSTANCES BY THE ENDOTHELIUM UNDER LIGHT IRRADIATION (BIOCHEMICAL ASPECTS) Makela A.
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DETERMINATION OF THE LUMINOUS ENERGY DOSE DURING SKIN PHOTODYNAMIC THERAPY BY MEANS OF EVALUATION OF FLUORESCENCE IMAGE PHOTBLEACHING USING «ECOSKIN» APPARATUS Papayan G.V., Petrishchev N.N., Kang Uk, Kim S.
ACUPUNCTURE AND PHARMACOPUNCTURE ANALGESIA IN LOCAL PHOTODYNAMIC THERAPY OF CANCER PATIENTS Degtyaryova A.A., Kaplan M.A.
IN VIVO FLUORESCENCE IMAGING OF FOTOLON IN PHOTODYNAMIC THERAPY OF CERVICAL INTRAEPITHELIAL NEOPLASIA Chalau V.M., Lapcevich T.P., Istomin Yu.P.
PHOTODYNAMIC EFFECT ON <i>HELICOBACTER PYLORI</i> M. H. EL Batanouny, Rehab M. Amin, E.S. El Gohary, M.K. Ibrahim & M.S. Salama

Time	Prague 3, Jarov Rehab Clinic, September 22, 2007
16.00 16.30	Poster Scientific Evaluation and Winners Awards Committee Meeting (for committee members only)

Time	Congress Hall 2, September 22, 2007
17.00 17.30	Award distribution ceremony and Congress closure ceremony
17.30 18.00	EMLA general assembly (for EMLA members only)

Time	Prague 3, Jarov Rehab Clinic, September 22, 2007	Time	Meeting room 3, September 22, 2007
	Workshops		Workshops
18.00 18.30	Workshop 1. Laser therapy in the treatment of tinnitus (M. Prochazka)	18.00 18.30	Workshop 2. Intravenous Laser Blood Irradiation (M. Kaplan, L. Gasparyan)
18.30 19.00	Workshop 3. Lasers in the clinic and medical practice (Z. Simunovic)	18.30 19.00	Workshop 4. Laser therapy in the treatment of diabetes (A. Makela)
19.00 19.30	Workshop 5. Organized by a sponsor of the Laser Prague 2007 Congress	19.00 19.30	

LASER HELSINKI 2008
23rd - 24th August



**European
Medical
Laser
Association**



13th International Congress of EMLA (European Medical Laser Association), in conjunction with EMLA Finland and MAL (Medical Acupuncture and Laser)

This is to inform you that 13th International Congress of EMLA (European Medical Laser Association) in conjunction with EMLA Finland and MAL (Medical Acupuncture and Laser) will take place in Helsinki, Finland on 23-24 August 2008, with pre and post-conference courses at 22nd and 25th available in various fields of laser medicine and laser acupuncture.

Main topics: updated of basic research and clinical experience of laser therapy and photodynamic therapy of different diseases and conditions, laser application in surgery and aesthetic medicine, lasers in veterinary, laser acupuncture, laser vs. LED therapy, other topics.

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Founded in 1550, it has been the Finnish capital since 1812. Helsinki is situated on approximately the same latitude as Anchorage, Alaska, making it the second northernmost capital in the world after Reykjavik, Iceland, hence the very short days in winter but warm summers.

Congress will take place in the Paasitorni Congress Centre. It is a unique congress and conference complex in the heart of Helsinki. It is an outstanding example of art nouveau architecture. Behind the magnificent old granite facade are well designed, modern multifunctional facilities.



More information will be available soon at www.emla-laser.eu



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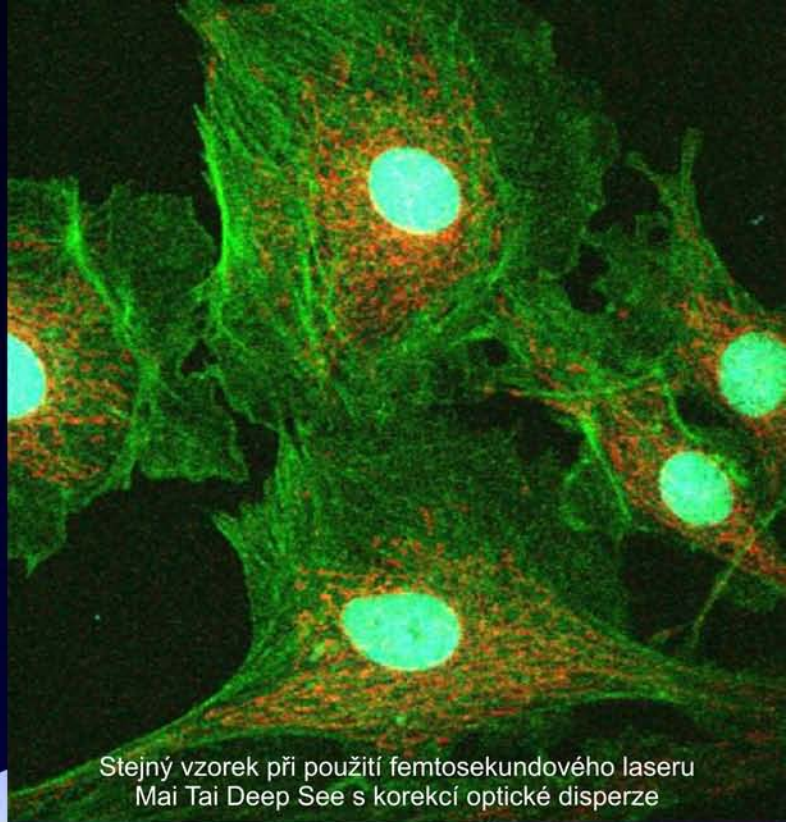
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