

23th International Congress Laser Medicine
with Pre-Conference Courses

Laser Florence 2009

..... A gallery on the Laser Medicine World

For Researchers, Physicians, Surgeons, Biologists, Physical Therapists, Physics, Engineers



FLORENCE, November 6th – 7th, 2009

Program Chairperson L. Longo, MD

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PROGRAM AT-A-GLANCE

November 6th, 2009

- Room A - INTRACAVITY LASER REFRACTOMETRY AND ITS APPLICATION IN BIOLOGY AND MEDICINE S. Gonchukov (RUS) - plenary lecture
- Room A - LASER/LIGHT SKIN MEDICINE AND SURGERY - 1 I. Kaplan (ISR), K. Khatri (USA), T. Ohshiro (J)
- Room A - LASER/LIGHT SKIN MEDICINE AND SURGERY - 2 A. Baruchin (ISR), T. Lotti (I), K. Russe (A)
- Room B – LASER ONCOLOGY – D. Kolt (USA), K. Samoilova (Rus), D. Siposan (Rum)

- Room A - PHOTOENGINEERING OF TISSUE REPAIR PROCESSES IN COLLAGENOUS TISSUES Chukuka S. Enwemeka (USA) - plenary lecture
- Room A – LASER BIOMODULATION - 1 F.A.H. Al-Watban (AE), J. Anders (USA), S. Gonchukov (RUS) consensus conference
- Room A – LASER BIOMODULATION - 2 R.G.Calderhead (UK), R. Lubart (ISR), L. Navratil (Czech Rep) consensus conference
- Room B - LASER GENERAL SURGERY - V. Oswal (UK), A Vaitkuvienė (LIT), K.M. Bofares (Lybia)

19:15 Open Ceremony with Welcome Cocktail and leading lecture

LIGHT AND STEM CELLS: AN EXAMINATION OF THE STATE OF THE ART

J. Anders (USA) and L. Longo (I)

November 7th, 2009

- Room A - LASER DENTISTRY 1 - C. Fornaini (I), G. Lynn Powell (USA)
- Room A - LASER DENTISTRY 2 - C. Maggiore (I), A. Pinheiro (BR)
- Room B – Workshop LASER/LIGHT AND ENERGETIC MEDICINE on diabetes and metabolism P. Ramdawan (Mau)

- Room A - LASER RHEUMATOLOGY AND REHABILITATION MEDICINE 1 - Y. Asagai (J), G.D. Baxter (NZ), M. Herold (Austria) consensus conference and proposal of guidelines
- Room A - LASER RHEUMATOLOGY AND REHABILITATION MEDICINE 2 - C. Enwemeka (USA), C. Kleinbloesem (D), S. Tumilty (NZ) consensus conference and proposal of guidelines
- Room B - TRENDS IN BASIC AND APPLIED RESEARCH IN LASER BIOMEDICINE – A. Lauto (AUS), M.L. Pascu (R), J. Vaitkus (LT) proposal of guidelines
- TALK POSTER SESSION A. Ignaciuk (PL), M. Postiglione (I), P. Smalley (USA)

18:20 IALMS General Assembly

21:00 Gala Dinner, Awards Assigantion, Music show and Closure Ceremony

ORGANIZED BY

I.A.L.M.S. - The International Academy for Laser Medicine and Surgery

SPONSORED BY

I.S.L.S.M. - The International Society of Laser Surgery and Medicine

W.F.L.S.M.S. - The World Federation of Laser Surgery and Medicine Societies

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W.F.L.D. – The World Federation Laser Dentistry

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- ° K. Samoilova, BiSc, PhD (Russia) - Inst. of Cytology, Russian Acad Sci., San Petersburg
- ° A. Vaitkuvienė, MD, PhD (Lithuania) – Division of Optical Medicine, Vilnius University
- ° J. Vaitkus, PhD (Lithuania) - President, Lithuanian Physical Society, Vilnius University

EUROPEAN NETWORKS GENERATED BY LASER FLORENCE CONFERENCES

1997: Pulse light for vascular lesions, advantages and limits. Endovascular laser therapy for various veins. Indication and contraindications for Laser resurfacing procedures.

1998: mechanism of action, ant inflammatory and anti-edema effects, of Laser . Advantages and limits for laser in dentistry. Types of laser recommended for treatment of telangiectases and reticular veins.

1999: Prostatectomy laser. Non surgical endovenous laser modulating the immune system. Advantages and limits of Laser and IPL as hair removal techniques.

2000: PDD and PDT for the treatment of gastrointestinal and urological cancers. Laser therapy for wound healing and skin ulcers. , stretch marks, scars, keloids. Laser and IPL in skin rejuvenation.

2001: Laser treatment for diabetes type 1 and 2 (live demonstration on patients during the congress, probably, for the first time in the world). Advantages and limits of pulsed light in aesthetic medicine and surgery. What kind of laser should be in rheumatology and sport traumas? Role of European Community and World Health Organization in these issues.

2002: Laser Treatment of disk Hernias. Laser and light treatment for Psoriasis and Vitiligo.

2003: Laser therapy for nervous cells regeneration, in vitro and experimental. Complications of laser and light therapy and their treatment. Selection of affordable instrumentation. Advantages and limits of laser in ophthalmology. Position of FDA and other International Institution on non surgical laser.

2004: laser therapy of spinal cord injuries in clinical practice; first diabetic patients treated with laser in Italy, following Helsinki declaration rules; news on mechanisms of ant inflammatory and regenerative effects of lasers on the human tissues; prostatectomy laser in day surgery; advantages and limits of endoluminal laser surgery of varicose veins ; laser coupled with radio frequency scalpel for skin lesion treatment. Laser treatment of progenitor cells.

2005: Cesarean incision with laser. Photodiyalisis laser for chronic degenerative conditions. Follow-up of laser therapy for diabetes. Laser therapy of traumatic spinal cord injuries. Action mechanism of laser beam on nervous tissue.

2006: Photoplethysmography multi laser in vascular diseases. News substances for PDT of lung cancer. Ant inflammatory and regenerative mechanisms of laser treatment of experimental myocardial infarct. News on Laser therapy in sport traumatology Radio protective effects of non surgical laser.

2007: Laser in stem cells therapy: preclinical phase. Laser therapy for traumatic and degenerative spinal cord injuries with live patients presentation. Follow-up of laser therapy in diabetes type 1 e 2. Laser therapy for female infertility. Laser vascular and aesthetic surgery. State-of-the art on laser dentistry and PDD/PDT.

2008: Laser in brain traumatic injuries; Laser therapy for male infertility. Laser and energetic medicine;laser and nervous progenitor cells.

PLENARY LECTURE - Room A - November 6th, 2009

9:00 WELCOME

I. Kaplan, MD, PhD (Israel) – Professor Emeritus, Tel Aviv University

9:15 INTRACAVITY LASER REFRACTOMETRY AND ITS APPLICATION IN BIOLOGY AND MEDICINE

S.A. Gonchukov, PhD (Russia) - Moscow State Engineering Physics Institute, Moscow, Russia

LASER SKIN MEDICINE AND SURGERY - 1

Room A - November 6th, 2009

Chairmen:

I. Kaplan, PhD (ISR) – Professor Emeritus, Tel Aviv University, Israel

K. Khatri, MD, (USA) – Skin & Laser Center, Boston

T. Ohshiro, MD, PhD (J) – Ohshiro Clinic, Tokyo University

10 :00	ACOUSTIC WAVE TREATMENT FOR CELLULITE - A NEW APPROACH	Elisabeth Russe, Katharina Russe-Wilflingseder <i>Laserzentrum Innsbruck, Austria</i>
10 :15	LASER-BODY-SCULPTING: A NEW TECHNOLOGY	Elisabeth Russe, Katharina Russe-Wilflingseder <i>Laserzentrum Innsbruck, Austria</i>
10 :30	LASER ASSISTED STEM CELL THERAPY. RESULTS IN DERMATOLOGY AND PLASTIC SURGERY	N.Tankovich⁰, C. Littler¹, E. Shvetsova², E. Gandolfi³, L. Kharazi², A. Lukashev² <i>⁰STEMEDICA Cell Technologies, Inc., San Diego CA - USA</i> <i>¹Sharp Rees-Stealy Dermatology, ²Dermatology and Plastic Surgery Clinic of Russian Academy of Sciences, ³San Giuseppe Polispecialistico Clinic, Como, Italy</i>
10 :45	ASSESSMENT OF SUSPECTED SKIN LESION DEPTH BY MULTISPECTRAL DIGITAL DERMATOSCOPY: IN-VIVO TESTS.	L. Scalise¹, R.Munaretto¹, S.Serresi², E.P. Tomasini¹ <i>¹ Department of Mechanics, Polytechnic University of Marche, Via Brecce Bianche, Ancona, Italy. ² Dept. of Dermatology, INRCA, Ancona, Italy</i>
11 :00	INTERROGATION OF SKIN PATHOLOGIES USING ELASTIC SCATTERING SPECTROSCOPY	Waseem Jerjes*, Tahwinder Upile, Hani Rhadi, Yan Jiao, Charles Alexander Mosse, Martin Austwick, Christian S Betz, Stephen Bown, Colin Hopper <i>*UCLH Head and Neck Centre 1st Floor East Wing 250 Euston Road London; Department of Surgery, UCL, London, UK</i>

11:15 - COFFEE BREAK

LASER SKIN MEDICINE AND SURGERY – 2

Chairmen:

A. Baruchin, MD, PhD (ISR) – Plastic Surgery Institute, Askelon University

T. Lotti, MD (Italy) – Dermatology Institute, Florence University, Gen Secretary ISD, President SIDeMaST

K. Russe-Wilflingseder, MD (Austria) - Laserzentrum Innsbruck

11:30	RESURFACING UPDATE	K. Khatri, MD <i>Skin and Laser Surg.Center of New England, Nashua USA</i>
11 :45	NONABLATIVE FRACTIONAL PHOTOTHERMOLYSIS FOR ACNE SCARS: EXTENDED EXPERIENCE WITH 87 PATIENTS	P.L. Bencini, MD^o*, M. G. Galimberti, MD <i>^oHi-tech Dermatology: Italian high tech network in dermatological Sciences</i> <i>*I.C.L.I.D. (Istituto di Chirurgia e Laserchirurgia In Dermatologia) Milano, Italy</i>
12 :00	SKIN TIGHTENING WITH AN INFRARED, NONCOHERENT LIGHT-EMITTING DEVICE: A REPORT OF 102 CASES	Marco Fumagalli¹, C.Bona², G.Migliori², F.Lauro² <i>¹Centro di Dermatologia Integrata e Medicina Preventiva, Milano, Italy; ²Casa di Cura Madre Fortunata Toniolo, Bologna</i>
12 :15	COMPARISON OF 10600nm VERSUS 1550nm FRACTIONAL LASER RESURFACING FOR THE TREATMENT OF ASIAN PATIENTS	Takahiro Fujimoto <i>Clinic F 6-6-1-4F Kojimachi Chiyoda Tokyo 102-0083 Japan</i>

12 :30	LOW INTENSITY PHOTOTHERAPY ACCELERATES SKIN RE-EPITHELIALIZATION AFTER FRACIONAL MICRO ABLATIVE LASER TREATMENT	Vladimir Lemberg <i>Lumenis Inc., 5302 Betsy Ross Drive Santa Clara California – USA</i>
12 :45	EFFECTIVENESS OF SMOOTHSHAPES™ CELLULITE TREATMENT	Khalil A. Khatri,¹ Mary Lisa Stoll, ² Andrea Morrison,² and Michail M. Pankratov ² <i>¹Skin and Laser Surg. Center of New England, Nashua NH ²Elemè Medical, Inc., Merrimack, NH - USA</i>
13 :00	BODY CONTOURING: OVERVIEW OF PERSONAL RESULTS WITH DIFFERENT TECHNIQUES	L. Mazzi,MD <i>Verona, Italy</i>
13 :15	FORENSIC MEDICINE IN LASER SKIN TREATMENT	P.G. Rocchi, MD – Bologna University

13:30 – LUNCH

LASER ONCOLOGY		
Room B - November 6th, 2009		
Chairmen:		
D. Kolt, MD (USA) - Managing Director, Rejuvalight LED Technology, Tucson		
K. A. Samoilova, BiSc, PhD - Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia		
D. Siposan, MD - Military Technical Academy, Bucharest		
11:15	EFFECTIVENESS OF LOW POWER VISIBLE AND NEAR IR LIGHT IN ONCOLOGY: REVIEW OF PRECLINICAL AND CLINICAL DATA	A.A Zimin, N.A Zhevago, K.A. Samoilova <i>Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia</i>
12 :00	POSTOPERATIVE IMMUNOREHABILITATION OF BREAST CANCER PATIENTS WITH LOW POWER POLYCHROMATIC (VISIBLE + IR) RADIATION	A.A Zimin, N.A Zhevago, K.A. Samoilova <i>Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia</i>
12 :15	NOVEL MULTIFUNCTIONAL ACYLOXYALKYL ESTER PRODRUGS OF 5-AMINOLEVULINIC ACID DISPLAY IMPROVED ANTICANCER ACTIVITY DEPENDENT ON PHOTOACTIVATION	Gili Berkovitch¹ A. Nudelman² , B. Ehenberg² , A. Rephaeli² and Z. Malik² <i>¹Bar Ilan University, Petah-Tikva, Israel ²Sackler Faculty of Medicine, Tel-Aviv University.</i>
12 :30	LOW POWER POLYCHROMATIC (VISIBLE + NEAR IR) LIGHT ELEVATES SENSITIVITY OF TUMOR CELLS TO CYTOLYTIC ACTIVITY OF NATURAL KILLERS	N.A. Filatova, N.A. Knyazev, K.A. Samoilova <i>Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia</i>
12 :45	EXPRESSION LEVELS OF ALA DEHYDRATASE AS A MARKER OF ALA-PDT EFFICACY	Schauder Avital, Feuerstein Tamar and Malik Zvi <i>Bar Ilan University, Ramat Gan - Israel</i>
13 :00	PHOTOTHERAPY WITH POLYCHROMATIC VISIBLE AND NEAR IR LIGHT OF BREAST CANCER PATIENTS INHIBITS GROWTH PROMOTING ACTIVITY OF THEIR BLOOD SERUM FOR HUMAN TUMOR CELLS IN VITRO AND ENHANCES THIS ACTIVITY AS TO NORMAL TARGET CELLS.	A.A Zimin, N.A Zhevago, K.A. Samoilova <i>Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia</i>
13 :15	USE OF BLUE LIGHT AND LASER IN THE TREATMENT OF ALZHEIMER'S DEMENTIA AND PARKINSON'S DISEASE	A.M. Makela <i>ABER Institute, Helsinki, Finland</i>
13 :30	THE CREATION OF STANDARDIZED CERTIFICATION FOR LOW LEVEL LASER THERAPY (LLLT)	Vaclav Navratil¹, Leos Navratil ^{2,3}, Jozef Rosina ^{1,4}, Blanka Navratilova ⁵ <i>¹Czech Technical University, Faculty of Biomedical Engineering, Kladno, Czech Rep. ²Univ. of South Bohemia, Faculty of Health and Social Studies, Ceske Budejovice, Charles University, 1st Medical Faculty, Inst. of Biophysics and Informatics, Prague, Czech Rep. ³Charles Univ, 3rd Medical Faculty, Inst. of Medical Biophysics and Informatics, Prague, Czech Rep. ⁴Dept. of Stomatosurgery, Prague 2, Czech Rep.</i>

13:45 – LUNCH

LASER SURGERY

Room B – November 6th, 2009

Chairmen:

V. Oswal, MD (UK) - James Cook University Hospital, Middlesbrough, UK

A. Vaitkuvienė, MD, PhD (Lithuania) – Division of Optical Medicine, Vilnius University

Khalid Mohamed Bofares, MD (Libia) - Omar Almoukhtar University, Elbyda City - Libya

15 :20	LASER-INDUCED AUTOFLUORESCENCE AS A DIAGNOSTIC TOOL FOR USE IN NEUROSURGERY	Mihaela - Oana Romanitan¹, A. Pascu², L. Danaila³, M.L.Pascu^{2*} <i>¹ Neurology Clinics, Emergency University Hospital, Bucharest</i> <i>² National Institute for Laser, Plasma and Radiation Physics, Laser Department, Bucharest, Romania. ³ Neurosurgery Clinics, National Institute of Neurology and Neurovascular Diseases, Bucharest</i>
15 :35	OUR EXPERIENCE WITH OPTICAL BIOPSY IN THE HEAD AND NECK	Waseem Jerjes, Tahwinder Upile, Zaid Hamdoon, Colin Hopper <i>UCLH Head and Neck Centre, London, United Kingdom</i>
15 :50	REVIEW OF PATIENTS WITH PERTHES DISEASE RESPONDING POORLY TO NEAR INFRARED IRRADIATION THERAPY	Y. Asagai, T. Ohshiro^o <i>Shinano Handicapped Children's Hospital 6525-1 Shimosuwa (Japan)</i> <i>^oJapan Medical Laser Laboratory, Shinanomachi, Tokyo, Japan</i>
16 :05	23 th ANNIVERSARY OF PERCUTANEOUS LASER DISC DECOMPRESSION (PLDD)	G.P.Tassi¹, Daniel S.J. Choy², J. Hellinger³, S. Hellinger³, Sang H. Lee⁴ <i>¹Casa di Cura VILLA ANNA - San Benedetto del Tronto (AP);</i> <i>²Columbia University New York; ³Isar Klinik Munchen,Germany; ⁴Wooridul Spine Hospital, Seoul - Korea</i>
16 :20	SAPPHIRE DIAGNOSTIC SCALPEL	Irina Shikunova, V.V.Kurlov, *A.V.Rybova, *V.B.Loschenov <i>Institute of Solid State Physics of the Russian Academy of Sciences (ISSP RAS) - Chernogolovka, Russia</i> <i>*Prokhorov General Physics Institute of the Russian Academy of Sciences (GPI RAS)</i>

16 :35 COFFEE – BREAK

16 :45	COMBINATION OF A LASER AND STEM CELLS IN POSTERIOR EYE OPHTHALMOLOGY.	A. Lukashev, E. Baranov^o, N. Gavrilova¹, A. Revischin², P. Tornambe³ <i>Stemedica Cell Technologies, Inc., San Diego CA - USA</i> <i>^oStemedica, San Diego, CA, USA; ¹Fyodorov Eye MicroSurgery Center, Moscow, Russia; ²Russian Academy of Sciences, Moscow, Russia; ³Retina Specialists, San Diego, CA, USA</i>
17 :00	DETECTION OF CERVICAL CANCER ANALYZING BLOOD SAMPLES WITH RAMAN SPECTROSCOPY AND MULTIVARIATE ANALYSIS	J. L. González-Solís¹, J. Rodríguez-López², J. C. Martínez- Espinosa², C. Frausto-Reyes², L. F. Jave-Suárez², A. C. Aguilar-Lemarroy², H. Vargas-Rodríguez², E. Martínez-Cano² <i>¹Centro Universitario de los Lagos, Universidad de Guadalajara , Paseo de la Montaña , Lagos de Moreno - Mexico</i> <i>²Centro de Investigaciones en Óptica, A. C.; de Investigación Biomédica de Occidente, Instituto Mexicano del Seguro Social</i>
17 :15	355nm MICROLASER FOR AUTOFLUORESCENCE DIAGNOSIS IN PAP SPIN	A.Vaitkuvienė, V.Gegzna, R.Kurtinaitienė, J.Rimiene, J.Vaitkus. <i>Institute of Applied Research, Medicine, Nature faculties. Vilnius University. Vilnius, Lithuania</i>
17 :30	PLANTAR WARTS TREATED BY CARBON DIOXIDE LASER: EXPERIENCE GAINED DURING 4 YEARS	Ohad Baruchin MD^{1,2} & Abraham M.Baruchin MD¹ <i>¹ Laser Unit ,Barzilai University Medical Center, Ashkelon, Israel</i> <i>² Department of Ob/Gyn,Assaf Harofeh University Medical Center ,Zerifin.Is</i>
17 :45	ULTRASOUND-GUIDED PHOTODYNAMIC THERAPY FOR DEEP SEATED PATHOLOGIES: PROSPECTIVE STUDY	Waseem Jerjes, Tahwinder Upile, Zaid Hamdoon, Farai Nhembe, Rishi Bhandari, Sorcha Mackay, Priya Shah, Charles Alexander Mosse, Simon Morley, Colin Hopper <i>UCLH Head and Neck Centre, London, United Kingdom</i>
18 :00	CARBON DIOXIDE LASER TURBINECTOMY VERSUS SUBMUCOSAL DIATHERMY OF	Khalid Mohamed Bofares <i>Omar Almoukhtar University</i> <i>Elbyda City - Libya</i>

	HYPERTROPHIED TURBINATES - HISTOPATHOLOGICAL PROSPECTIVE STUDY	
18:15	LASER SAFETY: BEYOND SIGNS AND GOGGLES	Penny J. Smalley <i>TCl, 1444 W. Farwell Ave., Chicago - USA</i>

PLENARY LECTURE - Room A - November 6th, 2009

14:30 PHOTOENGINEERING OF TISSUE REPAIR PROCESSES IN COLLAGENOUS TISSUES

Chukuka S. Enwemeka, PhD, FACSM

Professor and Dean, College of Health Sciences University of Wisconsin, Milwaukee, WI, USA

LASER BIOMODULATION – 1

Room A - November 6th, 2009

Chairmen:

F.A.H. Al-Watban, PhD (SA) - King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

J. Anders, PhD (USA) – Anatomy and Biology Dept, USHUS Bethesda

S.A. Gonchukov, PhD (Russia) - Moscow State Engineering Physics Institute, Moscow, Russia

15:15	THE IMPORTANCE OF BLUE LIGHT FOR WOUND HEALING	R. Lubart, R. Ankri, A. Lipovski and H. Friedmann <i>Bar-Ilan University, Ramat-Gan, Israel</i>
15:30	BLUE LIGHT PHOTOTHERAPY KILLS METHYLLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)	Chukuka S. Enwemeka, PhD, FACSM <i>Professor and Dean, College of Health Sciences University of Wisconsin, Milwaukee, WI</i>
15:45	WOUND & BURN HEALER FOR DIABETICS	F. A.H. Al-Watban, B.L. Andres, X.Y. Zhang and A. A. Al-Anazi Laser Medicine Research Section, Biological and Medical Research Department, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia
16:00	ASSOCIATION OF SODIUM ALGINATE/CHITOSAN-BASED DRESSING FILMS AND LOW LEVEL LASER THERAPY ON DERMAL BURN HEALING: A MORPHOLOGIC STUDY	Amalia Ribeiro Doutor¹, Maria Amália Gonzaga Ribeiro¹, Vitor Garcia Moreno de Oliveira², Daisy Pereira Valido², Ricardo Luiz Cavalcanti de Albuquerque-Júnior², Juliana Cordeiro Cardoso², Rose Nely Pereira Filho³, Antônio Luiz Barbosa Pinheiro⁴. <i>¹School of Dentistry, Federal University of Sergipe; ²Post-Graduation Program in Health and Environment, University Tiradentes; ³Science and Technology Inst. (Aracaju/SE, Brazil); ⁴School of Dentistry, Federal Univ. of Bahia (Salvador/BA, Brazil).</i>
16:15	USE OF PHOTOTHERAPY (λ400-2000nm) IN THE HEALING OF THIRD-DEGREE BURN IN THE BACK OF DIABETIC RATS.	Maria de Fátima Lima Ferreira, Priscila Chagas Oliveira, Juliana Santos de Carvalho Monteiro, Susana Carla Pires Sampaio de Oliveira, Gilberth Tadeu dos Santos Aciole, Luciana Pedreira Ramalho, Antônio Luiz Barbosa Pinheiro <i>UFBA Rua Araujo Pinho, 62 Salvador Bahia, Brazil</i>

16:30 COFFEE – BREAK

LASER BIOMODULATION – 2

Room A - November 6th, 2009

Chairmen:

R. Lubart, PhD (ISR) - Bar-Ilan University, Ramat-Gan, Israel

L. Navratil, MD, PhD (Czech Rep) – Anatomy and Biology Dept, USHUS Bethesda

R. Glen Calderhead, MSc, PhD(MedSci) FRSM - Japan Phototherapy Laboratory, Tokyo, Japan

16:45	EVALUATION OF THE EFFECT OF LED RADIATION IN THE REPAIR OF SKIN WOUNDS ON THE DORSUM OF RATS WITH IRON DEFICIENCY ANEMIA: HISTOLOGICAL STUDY.	Susana Carla Pires Sampaio de Oliveira, Juliana Santos de Carvalho Monteiro, Maria de Fátima Lima Ferreira, Diego Silva Menezes, Jean Nunes dos Santos, Fátima Zanin, Gilberth Tadeu S Aciole, Antonio Luiz Barbosa Pinheiro <i>UFBA Rua Araujo Pinho, 62 Salvador Bahia, Brazil</i>
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17:00	COMPARATIVE STUDY OF THE EFFECT TWO DIFFERENTS WAVELENGTH OF LASER THERAPY IN HUMAN FIBROBLAST CULTIVE	Rosa Irma Castro Bahena, Valdes Espinosa Arturo, Cisneros Palomino Adrian, Silva Escobedo Jesus, Chiquini Jasso Jose Luis <i>Unit of Especialites Odontology of the University Army and Air Force,, Av. Industria Militar, Mexico City</i>
17:15	METAL-FREE PHTALOCYANINE (PtS) AND 5-AMINOLEVULENIC ACID (ALA) IN PHOTODYNAMIC TREATMENT OF HUMAN VASCULAR CELLS	Olga Udartseva, Elena Andreeva, Ludmila Buravkova, Eduard Tararak* <i>Institute of Biomedical Problems RAS (IMBP RAS) Khoroshevskoe shosse, 76A Moscow 123007 - Russia * - Cardiocenter, Moscow, Russia</i>
17:30	LIVER REGENERATION AFTER HEPATECTOMY FOLLOWED BY LOW ENERGY LASER IRRADIATION	U. Oron, H. Tuby, L.Maltz, V. Sorin, and A. Czerniak <i>Department of Zoology, Life Sciences Faculty, Tel-Aviv University, and Wolfson Medical Center, Holon, Israel</i>
17:45	INFLUENCE OF GAALAS LASER (670NM) AND OF DEXAMETHASONE IN CHRONOLOGY OF SKIN REPAIR	Maria de Fátima Lima Ferreira, Antônio Márcio Texeira Marchionni, Gilberth Tadeu dos Santos Aciole, Susana Carla Pires Sampaio de Oliveira, Juliana Santos de Carvalho Monteiro, Silvia Regina de Almeida Reis, Antônio Luiz Barbosa Pinheiro. <i>UFBA Rua Araújo Pinho, 62 Salvador Bahia - Brazil</i>
18:00	USE OF PHOTOTHERAPY (Λ400-2000NM) IN THE HEALING OF THIRD-DEGREE BURN IN THE BACK OF DIABETIC RATS	Maria de Fátima Lima Ferreira, Priscila Chagas Oliveira, Juliana Santos de Carvalho Monteiro, Susana Carla Pires Sampaio de Oliveira, Gilberth Tadeu dos Santos Aciole, Luciana Pedreira Ramalho, Antônio Luiz Barbosa Pinheiro. <i>UFBA Rua Araújo Pinho, 62 Salvador Bahia - Brazil</i>
18:15	LIGHT-EMITTING DIODES: THE WOUND HEALING REVOLUTION	R Glen Calderhead, MSc, PhD(MedSci), FRSM <i>Japan Phototherapy Laboratory, Tokyo, Japan</i>

19:15 Open Ceremony with Welcome Cocktail and leading lecture:

LIGHT AND STEM CELLS: AN EXAMINATION OF THE STATE OF THE ART

Juanita Anders, PhD¹ and Leonardo Longo, MD²

¹Professor of Anatomy, Physiology and Genetics, USHUS Bethesda, USA

²Ass. Professor, Specialization School in General Surgery Siena University, Institute Laser Medicine, Firenze - Italy

LASER Dentistry – 1

Room A – November 7th, 2009

Chairmen:

C. Fornaini, MD – Parma University, Dentistry Dept.

A.L.B. Pinheiro DDS, MD, PhD (Brazil) - School of Dentistry, Federal University of Bahia (UFBA), Salvador

9:00	WAVELENGTH EFFECT IN TEMPOROMANDIBULAR JOINT PAIN: A CLINICAL EXPERIENCE	A.L.B. Pinheiro, DDS, MD, PhD <i>School of Dentistry, Federal University of Bahia (UFBA), Salvador, 2National Institute of Optics and Photonics, Brazilian National Research Council (CNPq), S.Carlos-SP/Salvador-BA, Brazil</i>
9:15	LASERTHERAPY AND MUSCLE RELAXANT THERAPIES FOR MASTICATORY MUSCULATURE UNDER ALTERED OCCLUSAL RELATIONSHIPS – A MORPHOLOGIC AND ULTRA STRUCTURAL STUDY IN A RODENT MODEL	Gilbert Tadeu dos Santos Aciole, Susana Carla Pires Sampaio de Oliveira, Márcio V Lisboa, Jean Nunes dos Santos, Aparecida Maria C Marques, Antônio Luiz B. Pinheiro <i>UFBA Rua Araújo Pinho, 62 Salvador Bahia 40110150 Brazil</i>
9:30	ASSESSMENT OF SUSPICIOUS ORAL LESIONS USING OPTICAL COHERENCE TOMOGRAPHY	Zaid Hamdoon, Waseem Jerjes, Tahwinder Upile, Gordon McKenzie, Amrita Jay, Gareth J Thomas, Colin Hopper <i>UCLH Head and Neck Centre, London NW1 2PG United Kingdom</i>
9 :45	ASSESSMENT OF TUMOUR RESECTION MARGINS USING OPTICAL COHERENCE TOMOGRAPHY	Zaid Hamdoon, Waseem Jerjes, Tahwinder Upile, Gordon McKenzie, Amrita Jay, Gareth J Thomas, Colin Hopper <i>UCLH Head and Neck Centre, London, United Kingdom</i>
10 :00	PHOTODYNAMIC THERAPY AS THE “LAST HOPE” FOR PATIENTS WITH TONGUE BASE CARCINOMA	Waseem Jerjes, Tahwinder Upile, Zaid Hamdoon, Farai Nhembe, Rishi Bhandari, Sorcha Mackay, Charles Alexander Mosse, Simon Morley, Colin Hopper <i>UCLH Head and Neck Centre, London, United Kingdom</i>
10 :15	CLINICAL APPLICATIONS OF DIODE LASER IN IMMEDIATE IMPLANT PLACEMENT	S.Brogli^a, * L. Iacovazzi^a, E. Vigliaroli^a, U. Romeo^o, C. Maggiore[*] <i>^aDip. di Scienze Chirurgiche, Univ. di L’Aquila, Italy ^oDip.di Scienze Odontostomatologiche, Univ. Sapienza di Roma.</i>
10 :30	CLINICAL EVALUATION OF 17 CASES OF BRONJ (BISPHOSPHONATE RELATED OSTEONECROSIS OF THE JAWS) TREATED WITH ER:YAG LASER SURGERY	Paolo Vescovi[*], Carlo Fornaini[*], Elisabetta Merigo[*], Maddalena Manfredi[*], Marco Meleti[*], Rebecca Guidotti[*], Alessandro Ripasarti[*], Giovanni Mergoni [*], Amin Serraj[*], Jean-Paul Rocca^{**}, Samir Nammour^{***} <i>[*] Department of ENT/Dental/Ophthalmological and Cervico-Facial Sciences; Università degli Studi di Parma – (Italy) ^{**} UFR Odontologie- Université de Nice “Sophia Antipolis” – (France) ^{***} Université de Liège (Belgique)</i>
10 :45	POST-EVALUATION OF THE NEUROPHATIES TREATMENT POST-TRAUMA WITH THERAPEUTIC LASER. MODEL IN SCIATIC NERVE OF FROG	Antonio Sanchez Escobar, Melendez Ocampo Arcelia ,Franco Lira Maricela, Aragon Flores Mariana, Hernandez Hernandez Guillermina, Chiquini Jasso Jose Luis <i>University of Army and Air Force, Av. Industria Militar s/n, Mexico city</i>

11 :00 COFFEE – BREAK

LASER Dentistry – 2

Room A – November 7th, 2009

Chairmen:

G. Lynn-Powell, DDS, PhD (USA) – Salt Lake City Univ, School of Dentistry

C. Maggiore , MD - Dip. di Scienze Chirurgiche Università di L’Aquila – Italy

11 :15	LLLT AND DIABETIC PATIENT WITH PERIODONTAL DISEASE	Dana Vieru^{1,2} DDS, MS, PhDc, Sonia Herman PhD³, Agafitza Lefter DDS ¹ and Anca Silvia Dumitriu², DDS, MS, PhDc <i>¹ 94 Harley Street, London, UK. ²Dept of Periodontology, and ³Department of Biophysics, Carol Davila Medical and Pharmaceutical University, Bucharest, Romania.</i>
11 :30	ANTIBACTERIAL AND ANTIFUNGAL	R Slezak, L. Ryskova, V. Buchta, M. Karaskova, J. Rakusan, R.

	EFFECTS OF PHOTODYNAMIC THERAPY IN VITRO USING LIGHT-ACTIVATED PHTHALOCYANINE DERIVATES	Ivancakova °Dept.of Dentistry,Fac. of Med.,Hradec Kralove,Charles Univ. Prague Dept. of Clinical Microbiology, Faculty of Medicine in Hradec Kralove, Charles University in Prague; Research Institute for Organic Syntheses, JSC, Pardubice, Czech Republic
11 :45	MICROHARDNESS AND MICROMORPHOLOGY OF DENTINE SURFACE FOLLOWING ER,CR:YSGG LASER IRRADIATION AT DIFFERENT CONDITIONS	Ekworapoj P, DDS Srinakarinwirot University, Klong Toei, Wattana, Faculty of Dentistry, General Dentistry Dept. Bangkok - Thailand Piyanart.Ekworapoj@ncl.ac.uk
12 :00	USE OF ND:YAG LASER BIOSTIMULATION FOR DENTAL EXTRACTIONS SCHEME IN PATIENTS UNDER BISPHOSPHONATES THERAPY.	R. Guidotti, E. Merigo, M. Meleti, M. Manfredi, A. Ripasarti, C. Fornaini, P. Vescovi Dept. of Otolaryngological/Dental/Ophthalmological and Cervico-Facial Sciences;Unit of Oral Pathology and Laser-assisted Oral Surgery, University of Parma, Parma Italy
12 :15	LOW LEVEL KTP LASER ON OSTEOBLASTIC PROLIFERATION AND DIFFERENTIATION: A PRELIMINARY IN VITRO STUDY.	Elisabetta Merigo, Sebastien Bouvet-Gerbetz, Florian Boukhechba, Danielle Quincey, Jean-Paul Rocca, George Carle, Nathalie Rochet *Department of ENT/Dental/Ophthalmological and Cervico-Facial Sciences; Università degli Studi di Parma – (Italy) **UFR Odontologie- Université de Nice “Sophia Antipolis” – Nice- (France) ***Laboratory og Genetics, Physiopathology and Bone Tissue Engineering (Gepitos)- Université de Nice “Sophia Antipolis” – Nice- (France)
12 :30	MICROLEAKAGE OF ASSOCIATION OF SELF ETCHING ADHESIVE SYSTEM AND ER:YAG LASER: LITERATURE REVISION.	F. Occhiminuti, B Exbrayat, M.F. Bertrand, J.P. Rocca, C. Fornaini University of Nice, France
12 :45	MICROLEAKAGE EXPERIMENT STUDY OF ASSOCIATION OF SELF ETCHING ADHESIVE SYSTEM AND ER:YAG LASER	B. Exbrayat, F. Occhiminuti, C. Fornaini, M.F. Bertrand, J.P. Rocca University of Nice, France
13 :00	LASER BIOSTIMULATION OF ALVEOLUS AFTER THIRD MOLAR EXTRACTION	E.Vigliaroli*, L.Iacovazzi*, S.Brogli*, A. Del Vecchio°, C.Maggiore* *Dip. di Scienze Chirurgiche Università di L’Aquila - Italy ° Dip. di Scienze Odontostomatologiche, Univ. “Sapienza” di Roma, Italy
13 :15	ULTRASTRUCTURAL AND MECHANICAL WELDING LASER COMPARATION BETWEEN FIBER-DELIVERED ND:YAG AND FIXED LENSES ND:YAG	C.Fornaini¹, E.Merigo¹,F. Passaretti², E. Villa²,P. Vescovi¹, J.P. Rocca³, S. Nammour⁴ ¹ Department of ENT/Dental/Ophthalmological and Cervico-Facial Sciences; Università degli Studi di Parma – (Italy) ² Italian National Res.Council – Inst. For Energetics and Interphases, Lecco ³ UFR Odontologie- Université de Nice “Sophia Antipolis” – Nice- (France) ⁴ Université de Liège (Belgique)
13 :30	WAVELENGTH EFFECT IN TEMPOROMANDIBULAR JOINT PAIN: A CLINICAL EXPERIENCE	Maria de Fátima Lima Ferreira, Carolina M. Carvalho, Maria Cristina T. Cangussu,Susana Carla Pires Sampaio de Oliveira, Aparecida M. C. Marques, Juliana Santos de Carvalho Monteiro, Gilberth Tadeu S. Aciole, Antônio L. B. Pinheiro UFBA Rua Araújo Pinho, 62 Salvador Bahia - Brazil
13 :45	LASER THERAPY OF BONE FRACTURE	Antonio Melendez Ocampo, Arcelia Melendez Ocampo, Maricela Franco Lira, Mariana Aragon Flores University of Army and Air Force, Av Industria Militar s/n , Mexico City
14 :00	ALKALINE FOSFATASA LIKE OSTEOGENIC MARKER IN THE BONE HEALING POSTEXTRATION STIMULATED WITH LASER THERAPEUTIC	Franco Alberto Perez Mata, Claudia Gabriela Monroy Abarca, Jose Luis Chiquini Jasso University of Army and Air Force Av. Industria Militar s/n - Mexico City, Mexico

Workshop

INFO-ENERGETIC LASER MEDICINE and Its Applications on Diabetes Mellitus, Obesity and other

Room B - November 7th , 2009, 11, 15 a.m.

Chair P. Ramdawon (MU)

- Laser medicine as a major form of info-energetic medicine
- What is obesity and dangers of obesity: info-energetic aspects
- The Slim Laser: laser removal of fats to fight obesity
- Laser removal of fats to fight diabetes mellitus in obese people
- Laser removal of fats to fight other endocrine and metabolic disorders in obese people
- Info-energetic approach to laser treatment of diabetes mellitus and its various complications

13:30 Lunch

LASER PHYSICS

Room B – November 7th, 2009

Chairmen:

A. Lauto, PhD – (AUS) - *University of Western Sydney, Penrith South DC, Australia*

M. L. Pascu, PhD (Ro) - *National Inst. for Laser, Plasma and Radiation Physics, Laser Dept, Bucharest*

J. Vaitkus, PhD (LIT) – *Physics Dept, Vilnius University*

14:30	THE GENERATION OF MICRODROPLETS AS VECTORS TO TRANSPORT MEDICINES TO TISSUES	M. L. Pascu¹, I. R. Andrei¹, V. Pradines², V. Nastasa¹, R. Miller² <i>¹ National Inst. for Laser, Plasma and Radiation Physics, Laser Dept, Bucharest</i> <i>² MPI für Kolloid- und Grenzflächenforschung Forschungscampus Golm, Golm, Germany.</i>
14:45	LASER TRANSMISSION HOLOGRAMS MAXIMUM PERMISSIBLE EXPOSURE	Paula Dawson <i>The University of New South Wales Sydney - Australia</i>
15 :00	THE PHOTOBIOLOGICAL BASICS OF LED PHOTOTHERAPY, AND HOW THEY APPLY IN CLINICAL PRACTICE	R. Glen Calderhead, MSc, PhD(MedSci), FRSM <i>Japan Phototherapy Laboratory, Tokyo, Japan.</i>
15:15	A CONNECTION BETWEEN COMMUNICATION WITHIN THE LIVING WORLD AND TRAFFIC MODELS FOR LASER COMMUNICATION SYSTEMS	Petrica Ciotirnae, Dan Sipoșan, Razvan Raicu <i>Military Technical Academy, Bucharest - Romania</i>
15:30	OXIDATIVE STRESS AFTER THERAPEUTIC LASER IRRADIATION AND GAMMA IRRADIATION	Zuzana Freitinger-Skalicka¹, Vaclav Navratil², Jaroslav Racek⁴, Zdenek Hon¹, Leos Navratil^{1,3}, Friedo Zoelzer^{1,2} <i>¹University of South Bohemia, Faculty of Health and Social Studies, Dept of Radiology and Toxicology, Ceske Budejovice, Czech Republic</i> <i>²Czech Technical University in Prague, Faculty of Biomedical Engineering, Kladno, Czech Republic</i> <i>³Charles Univ. Prague, First Faculty of Medicine, Czech Republic</i> <i>⁴Charles Univ. in Prague, Faculty of Medicine, Plzen, Czech Republic</i>
15:45	DESIGN AND TESTING OF TWO-SOURCES LASER STIMULATOR	Marina Timofeeva, Vladimir Arkov, Svetlana Haustova, Alexander Tonevitsky <i>Russian Research Institute of Sport and Physical education Moscow - Russia</i>
16:00	INFLUENCE OF PHOTOACTIVATED COPROPORPHYRIN III ON THE AGGREGATION OF BLOOD PLATELETS	L.V.° Gasparyan¹, I.N.° Dementjeva², M.A.° Malkov², N.N.° Petrishchev², A.M.° Makela³ <i>1. EMRED Oy, Helsinki, Finland</i> <i>2. St. Petersburg State Medical Univ., St. Petersburg, Russia</i> <i>3. ABER Institute, Helsinki, Finland</i>
16:15	SYSTEMIC PHOTODYNAMIC THERAPY AS A NEW MODALITY OF PDT	A.M. Makela¹, M.A. Kaplan² <i>1. ABER Institute, Helsinki, Finland</i> <i>2. Medical Radiological Res. Center of Russian Acad. of Medical Sciences, Obninsk, Russia</i>
16 :30	DOES INFLUENCE THE MODIFICATIONS OF WATER	Răzvan Raicu¹, Dan Sipoșan¹, Dumitru Bădilă² <i>¹Military Technical Academy, Bucharest</i>

	PROPERTIES BY PHYSICAL AGENTS ON SOME BIOLOGICAL FUNCTIONS?	² Termomedics Bucharest
16 :45	INTEGRATION OF EXTRACELLULAR MATRIX WITH CHITOSAN ADHESIVE FILM FOR SUTURELESS TISSUE FIXATION	A. Lauto¹, L. Longo² ¹ University of Western Sydney, Penrith South DC,Australia ² University of Siena, Italy
17 :00	ADJUSTMENT OF LIGHT IN THE LIMIT CONDITIONS OF THE CONSCIOUSNESS – “PRE COMA”, BY THE ASCENDANT ACTIVATING RETICULAR SYSTEM AND THE AUXILIARY SUBSYSTEMS	Dan Sipoșan¹, Toma Melinte², Jan Ciurea³ ¹ Military Technical Academy ² The Ambulance Service of Bucharest City (SAMB) ³ Clinical Emergency Bagdasar Arseni Hospital, Bucharest

LASER RHEUMATOLOGY AND REHABILITATION MEDICINE – 1

Room A - November 7th, 2009

Chairmen:

Y. Asagai, MD (J) – IPTA President, Suwa University

G.D. Baxter, DPhil (NZ) - University of Otago, Dunedin - New Zealand

M. Herold, MD (A) - Laserzentrum Haydnplatz 4 , Innsbruck, Austria

14:30	LASER THERAPY IN THE TREATMENT OF ACHILLES TENDINOPATHY: A RANDOMISED CONTROLLED TRIAL	Steve Tumilty Munn PhD¹, Haxby Abbott PhD¹, Suzanne McDonough PhD²; Deirdre A. Hurley PhD³; J.R. Basford PhD⁴; G. David Baxter DPhil¹ <i>University of Otago, Dunedin - New Zealand</i> ¹ Centre for Physiotherapy Research, School of Physiotherapy, University of Otago, Dunedin, New Zealand; ² University of Ulster, Newtownabbey, Co Antrim, Northern Ireland; ³ University College Dublin, Belfield, Dublin, Republic of Ireland; ⁴ The Mayo Clinic Rochester, Minnesota U.S.A.
15 :00	REALIGNMENT AND COLLAGEN ALTERATIONS WITH LOW LEVEL LASER THERAPY COMBINED WITH LOW INTENSITY ULTRASOUND IN CALCANEUS TENDON REPAIR	Viviane Timm Wood, MAI Neves, NA Parizoto², CE Pinfieldi, B Hochman, LM Ferreira <i>Federal University of Sao Paulo (UNIFESP) Napoleão de Barros, São Paulo</i> <i>Federal University of São Carlos (UFSCar)², São Paulo, Brazil</i>
15 :15	INFLUENCE OF DIFFERENT OUTPUT POWER (40,60,80,100MW) OF LLLT IN CALCANEUS TENDON REPAIR: REALIGNMENT AND COLLAGEN TYPES	Marco Aurelio Invaldi Neves, Viviane Timm Wood PT, Rafael Corrêa Gobbato PT, Nivaldo Antônio Parizoto PT PhD, Carlos Eduardo Pinfieldi PT PhD, Bernardo Hochman MD PhD, Lydia Masako Ferreira MD PhD <i>São Paulo Federal University – UNIFESP</i>
15:30	THE DOSE THAT WORKS: LOW LEVEL LASER TREATMENT OF TENDINOPATHY	S. Tumilty MPhTy¹; J. Munn PhD¹, S. M^cDonough PhD²; D. A. Hurley PhD³; J.R. Basford PhD⁴; G. D. Baxter DPhil¹. ¹ Centre for Physiotherapy Research, School of Physiotherapy, Univ.of Otago,Dunedin, New Zealand. ² University of Ulster,Newtownabbey, Co Antrim,Northern Ireland ³ University College Dublin, Belfield,Dublin,Rep. of Ireland ⁴ The Mayo Clinic Rochester, Minnesota - U.S.A.
15 :45	KNUCKLE PADS – A COMMON PROBLEM BUT GOOD TO TREAT BY LASER	Manfred Herold, Katharina Russe <i>Laserzentrum Haydnplatz 4 , Innsbruck, Austria</i>
16 :00	THE EFFECT OF THE ASSOCIATION OF NEAR INFRARED LASER THERAPY, BONE MORPHOGENETIC PROTEINS, AND GUIDED BONE REGENERATION ON TIBIAL FRACTURES TREATED WITH INTERNAL RIGID FIXATION: A RAMAN SPECTROSCOPIC STUDY	Antonio L.B. Pinheiro^{1,2} ¹ Laser Center, School of Dentistry, Federal University of Bahia (UFBA), Salvador, BA, Brazil ² National Institute of Optics and Photonics, Brazilian National Reserch Council (CNPq), S.Carlos-SP/Salvador-BA, Brazil
16 :30	COFFEE – BREAK	

LASER RHEUMATOLOGY AND REHABILITATION MEDICINE – 2

Room A - November 7th, 2009

Chairmen:

C. Enwemeka, PhD, FACS (USA) – Dean, College of Health Sciences Wisconsin's University, Milwaukee

C. Kleinbloesem, MD (D) - X- cell Center, Koln, Germany

S. Tumilty, MPhTy (NZ) - Centre for Physiotherapy Res., School of Physiotherapy, Univ. of Otago, Dunedin, New Zealand

16 :45	THE CURRENT STATE OF THE INFERTILITY TREATMENT WITH LASER IN JAPAN - THE BIRTH OF THE JAPAN SOCIETY FOR LASER REPRODUCTION (JASLAR)	Toshio Ohshiro <i>Director of Japan Medical Laser Laboratory (JMLL), President of the Japan Society for Laser Reproduction (JaSLaR)</i>
17 :00	EFFECT OF LOW-LEVEL LASER THERAPY ON VIABILITY OF THE TRANSVERSE RECTUS ABDOMINIS MUSCULOCUTANEOUS FLAP	Carlos Eduardo Pinfield^o , Gobbato RC , Liebano RE , Hochman BS , Ferreira LM <i>^oUNIMEP - Catanduva, Brazil ; UNIFESP</i>
17 :15	LOW LEVEL LASER THERAPY AND PAIN CONTROLLING IN MIGRAINE	Soheila Mokmeli¹ , KH. Abbasi² , SH. Nesionpour² , H. Rasoli² <i>¹Laser Department Milad Hospital, Hemmat Exp Way ; ²Ahvaz Medical University Tehran - Iran</i>
17 :30	COMPARATIVE STUDY USING IR Diode Laser 904 nm and 808 nm 160 CASES	Giuseppe Tam <i>Laser Center, Villa Santina –Tolmezzo, Italy</i>
17 :45	EFFECTS OF LASER ON PROGENITOR CELLS: PROPOSAL OF CLINICAL APPLICATION	C. Kleinbloesem¹ , L. Longo² <i>X- cell Center, Koln, Germany Siena University, Institute Laser Medicine, Firenze, Italy</i>
18 :00	Patients on live	All Speakers

November 7th, 2009

TALK POSTER SESSION

Chairmen

A. Ignaciuk, MD (Poland) - President, Polish Society of Aesthetic Medicine, Warsaw

M. Postiglione, MD, PhD – Former Director, WHO

P. Smalley, TN –TCI, Chjicago (USA)

17,30	MODIFICATIONS OF THE MEDICINES MOLECULAR STRUCTURES BY BULK EXPOSURE TO OPTICAL RADIATION	Adriana Smarandache¹ , Ruxandra Angela Pascu² , Andra Militaru¹ , M. L. Pascu^{1*} <i>¹National Institute for Laser, Plasma and Radiation Physics, Laser Department, Bucharest ²Emergency Universitary Hospital, Ophthalmology Clinic, Bucharest.</i>
17:35	IRRADIATED DOXORUBICIN EFFECTS ON AN EPITHELIAL RETINAL CELL LINE	Steliana Kevorkian¹ , Adina Manea¹ , Anca Dinischiotu¹ , Madalina Dicu² , M. L. Pascu^{2*} , Marieta Costache¹ <i>¹ University of Bucharest, Department of Biochemistry and Molecular Biology, Bucharest. ² National Institute for Laser, Plasma and Radiation Physics, Laser Department, Bucharest.</i>
17:40	STABILITY OF THE MOLECULAR STRUCTURES OF MEDICINES DELIVERED IN MICRODROPLETS SOLUTIONS	I. R. Andrei¹ , Adriana Smarandache¹ , J. M. Pages² , A. Mahamoud² , M. L. Pascu^{1*} <i>¹National Institute for Laser, Plasma and Radiation Physics, Laser Dept, Bucharest, Romania.;²Fac. of Pharmacy, Mediterranean Univ, Marseille, France</i>
17:45	SECOND IMPLANT PHASE:DIODE LASER AS A GOOD ALTERNATIVE TO TRADITIONAL SURGICAL APPROACH. CASE REPORT	L. Leoci , W. Antonietti , C. Fornaini , P. Vescovi <i>European Master Degree in Oral Laser Applications. University of Parma</i>
17:50	THE DIODE LASER AS UN AUSILIARY PART IN THE PERIODONTAL SURGERY:CLINICAL EVALUATION	W. Antonietti , L. Leoci , R. Guidotti , C. Fornaini , P. Vescovi <i>European Master Degree in Oral Laser Applications. University of Parma</i>
17:55	COMPARISON OF FOUR DIFFERENT WAVELENGTHS IN PRE-PROSTHETIC	Oppici Aldo E. Merigo , F. Clini , C. Fornaini <i>Oral Medicine and Laser Assisted Unit, University of Parma (I)</i>

November 7th, 18:20 – IALMS and IPTA General Assembly

21:00 Gala Dinner, Awards Assignment, Music show and Closure Ceremony

INVITATION

Laser Florence 2009 is the annual Congress of the International Academy Laser Medicine and Surgery, jointed with the biannual congress of the International Photo Therapy Association. .

As usual researchers and doctors will show new data immediately available for practical use.

Particular emphasis will be given to research relating to standards for light and laser therapy on different topics: Dentistry, Dermatology, Neurology, Rehabilitation and Sport Injuries, .Phlebology, Plastic Surgery, Photodynamic Diagnosis and Therapy.

A special session will be dedicated to Energetic Medicine and the role of laser beams and light in this topic.

In fact, in the world there is a bit of confusion between data obtained from evidence based medicine and scientific data controlled experimentally.

The International Academy ensures a high quality of the lectures and posters presented. The accepted abstracts are published in the official journal of the IALMS, *Laser in Medical Science*, published by Springer Publisher, London. The Proceedings of the Conference will be published immediately after the event, on paper and on line, by the American Institute of Physics. The IALMS members can look up the slides of the Conference in the member area at the web site www.ialms.com.

The aim of Laser Florence organisers is always the same: to establish an outstanding interaction between the delegates in a unique location and an unforgettable atmosphere where friendship, intelligence and scientific know-how are blended.

Several awards are available for the presenters of the best papers and posters and the recipients will be invited to participate in the next conference of Laser Florence.

To fully understand the importance of Laser Florence, there is only one way, coming here !

Looking forward to seeing you in Florence

Best regards

Leonardo Longo, M.D.

I.A.L.M.S. - INTERNATIONAL ACADEMY FOR LASER MEDICINE AND SURGERY

LASER COURSES 2009

DATE: NOVEMBER 5TH, 2009

VENUE : FIRENZE

LASER MEDICAL EQUIPMENT/PHYSICS/ENGINEERING

M. Pascu, E.P. Tomasini

LASER PHLEBOLOGY AND VASCULAR LESIONS

K. Khatri, L. Longo, S. Mancini

LASER COSMETIC MEDICINE AND SURGERY

(Resurfacing, Rejuvenation, Hair Removal, Pigmented Lesions)

K. Khatri, L. Longo

EFFECTIVE SCIENTIFIC WRITING - PUBLISH OR PERISH

A.Baruchin

LASER REHABILITATION - RHEUMATOLOGY - SPORT MEDICINE

G. D. Baxter, M. Postiglione

ENT

V. Oswal

LASER SAFETY CONCEPTS IN HEALTHCARE

P. Smalley

LASER DENTISTRY

C. Fornaini, G. Lynn-Powell

Further details and programs:

GENERAL ORGANIZING SECRETARY:

I.A.L.M.S. BORGO PINTI, 57 – 50121 FIRENZE

FAX #39 05539069632

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REGISTRATION FORM

Last Name		
First Name	Title:	
Institution:		
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PostalCode	City	Country
Telephone		FAX
Email		
Specialty		
IALMS Member		

It is my intention to attend **Laser Florence 2009, November 6th -7th** as follows
Please indicate your choice(s) by ticking the appropriate box(es)

SUBSCRIPTION FEE (VAT 20% included)

<i>MAIN MEETING</i>	SPEAKER or IALMS, ISLSM, IPTA Member	Non- Member	Accompanying person, Student, Nurse, Aesthetic Operator
Full Congress	EURO 550	EURO 650	EURO 400
One Day	EURO 500	EURO 550	EURO 350
Course	EURO 900	EURO 1100	EURO 540
TOTAL			

The **Meeting** Registration fee includes the entrance, volume 2010 (four issues) of peer Journal *Lasers in Medical Science*, official journal of the IALMS; free Laser Florence 2009 Abstracts book printed in a special issue of the same journal, a meeting bag with pen & notes, Welcome Cocktail, coffee-break and a light-lunch for the days of the Conference/Course.

The **Courses** registration fee include presentation of videotapes, live demonstration, and **discount of 20 % for the subscription fee at Laser Florence 2009 Meeting.**

NOTE:

THE SUBSCRIPTION FEE WILL INCREASE BY 20% AFTER JULY 30th, 2009

SUBSCRIPTION FEE BY E-MAIL OR POSTAL CARD WILL ACCEPT TILL OCTOBER 31st, 2009

THE SUBSCRIPTION FEE WILL INCREASE BY 50% DURING THE MEETING DAYS

Return of total subscription fee is possible until August 30th, 2009

(Except for 30% for VAT, bank and postal expenses).

After August 30th, 2009 the cancellation will NOT give return of subscription fee.

*I send you with this form the total amount of the relevant fees (Please refer to the table on the following page)
Payment may be made (In Euros) as follows:*

- *By certified bank cheque or draught, in favour of Laser Florence 2009*
- *By international money order in favour of Laser Florence 2009*
- *By direct bank transfer in favour of Astral srl (see details below)*
- *By credit card (fill in details below)*

With the cheque No: _____ of the Bank: _____

Or the copy of the cheque No: _____ of the Bank _____

Or: I have made a bank transfer on (date): _____ From (Name of your bank) _____

(An official copy of the bank transfer should be enclosed with your reservation form)

**Monte dei Paschi di Siena, Agenzia Firenze 20 - account ILM sas 201534
IBAN - IT 32 X 01030 02804 000000201534 BIC - PASCITM1F20**

Make bank transfers payable to

ILM SAS - BORGO PINTI, 57 I - 50121 FIRENZE

FAX 003905539069632 - E-MAIL: attendee@laserflorence.org

Or: I wish to pay by credit card, *WITH SURCHARGE OF 5 %*

<i>Type of Card (MASTERCARD or VISA; NO AMERICAN EXPRESS)</i>	
<i>Card Number</i>	
<i>Expiration Date:</i>	<i>Security Code</i>
<i>Cardholder's Signature</i>	

HOTEL ACCOMMODATION (price for room)

<i>Arrive</i>	<i>Departure</i>	<i>Type of room</i>	<i>First Class****</i>	<i>2ND Class ***</i>
		Double Room	EURO 250	EURO 180
		*Douse Room	EURO 210	EURO 150
		Single Room	EURO 180	EURO 130

**Douse room is double room for single use*

- **Deadline for Hotel Reservation: OCTOBER 31st, 2009**

Please, send your fax or e-mail to ILM sas for the reservation room before the deadline, with your number and type of Credit Card to confirm the reservation. **The Hotel will confirm your reservation directly with you. Mr. Diego can give you further details: diego@laserflorence.org**

SOCIAL PROGRAM		Number of Participants
WELCOME COCKTAIL (informal dressing)	FREE	
GALA DINNER WITH MUSIC and SHOW (black ties or formal dressing)	EURO 150	