IALMS NEWSLETTER – December 2017

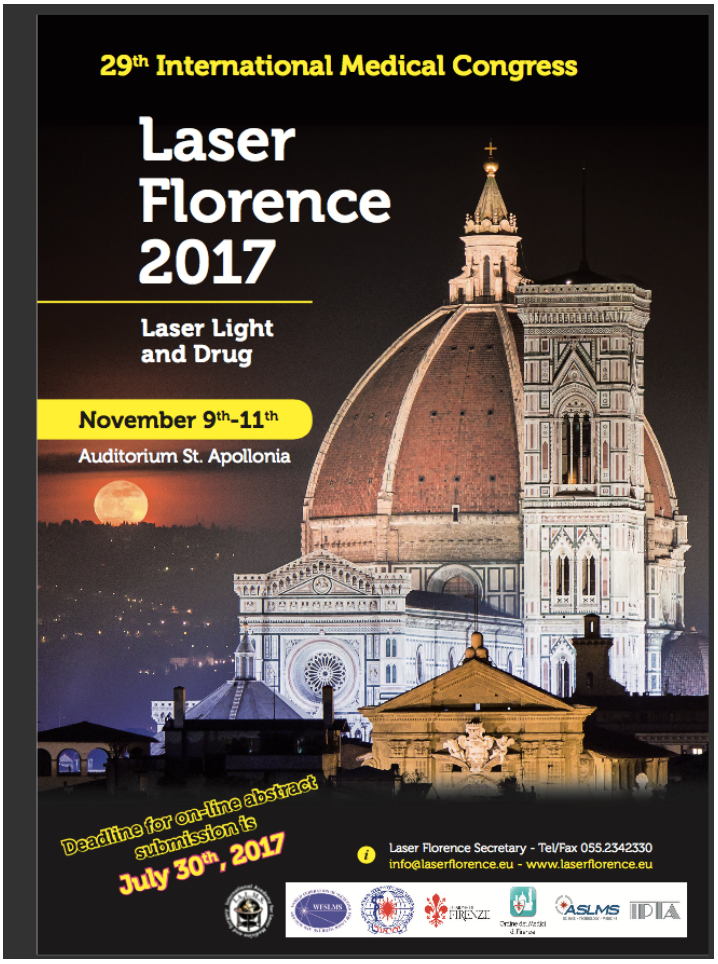
Contents

Laser Florence 2019

November 7th - 9th

Deadline for abstract's submission : July 30, 2019

IALMS NEWSLETTER – December 2017



EACCME
European Accreditation Council for Continuing Medical Education

Certificate

Laser Florence 2017. Laser, Light and Drug

Florence, Italy, 10/11/2017-11/11/2017

has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®)
for a maximum of **16** European CME credits (ECMEC®s).

Each medical specialist should claim only those credits that he/she actually spent in the educational activity.

The EACCME® is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.
Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credits to AMA credits can be found at www.ama-assn.org/go/internationalcme.

Live educational activities occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC® credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

IALMS NEWSLETTER – December 2017

Report on Laser Florence 2017

The 29th Laser Florence International Medical Congress was held on 9-11 November 2017 in Florence.

This year the conference was particularly important, due it was jointed to other three international Congresses: IPTA (International Photo Therapy Association), ISLMS (International Society for Laser in Medicine and Surgery) and WFSLMS (World Federation Societies of Laser Medicine and Surgery). For this reason, the 2017 edition program level was very high, as well as the quality of the speakers, representing a very large number of Countries.

About 250 participants from 35 countries and 5 continents, were divided into 9 sessions: Laser Dentistry, Basic Science and Laser Physics, Laser ENT and Safety, Laser and Drugs, Laser/Light in Aesthetic Medicine and Surgery, Laser/Light in Surgery, Laser Biomodulation: Scientific Research and Clinical Practice, Laser Rehabilitation in Central Nervous System Injures, Laser Rehabilitation and Poster session.

The high scientific level of the program was testified by the achievement of 16 Credits by the North American and European CME Program (UEMS – Union European Medicine Specialists) for all the participants to the Congress, as well as by the publication of the Proceedings by SPIE Publisher, USA.

Very positive was the presence of a great number of young lecturers and poster presenter, this showing that Laser Florence Congress is considered one of the most important scientific events also by the young researchers and clinics who choose it for presenting their works.

The event was officially opened by Prof. Leonardo Longo, Congress Chairman, followed by three leading lecturers: Dr. R. Lanzafame, "***Laser Applications In Medicine: An Evolution***", Prof. P. Manzelli, "***Laser Therapy: Equivalence Between Biophotonic Field And Thin Energy In The Coherence's Reactivation Of Life Energy***", *and* Dr. D. Sliney "***Photobiological Dosimetry Of Tissue Exposure***"

An important and significant moment was represented by the memory of two people who recently passed away, Prof. Mario Postiglione and Prof. Venkatasami Jeganathan, respectively celebrated by Prof. Longo and Prof. Sharon Krishna.

Many lecturers were followed on the networks in real time by streaming, with more than 10000 visualizations and likes. The slides of the congress lectures are available on the web.site www.ialms.international, in the area members, covered by password.

The jury, formed by the chairpersons of all the scientific sessions, voted for the best oral communications and posters of young scientists and the winners were

DYNAMIC CHANGES IN GAMMA-IRRADIATED MICE TREATED WITH LASER *(Lecture granted with 500 eurodollars offered by the Lions Club Firenze Stibbert)*	**Yulia Efremova[1], Zuzana Sinkorova[2], Jaroslav Racek[3], Anna Lierova[2], Marcela Jelicova[2], Leos Navratil[2]** [1]Czech Technical University in Prague, Faculty of Biomedical Engineering, Department of Health Care Disciplines and Population Protection [2]University of Defence, Faculty of Military Health Sciences, Department of Radiobiology [3]University Hospital in Pilsen Dept of Clinical Biochemistry
FUNDAMENTAL APPLICATIONS OF ER,CR:YSGG LASER IN COMBINATION WITH DIODE 980nm WAVELENGTH	**Salam Alakash, MD** Amman, Jordan Private clinic, Conservative and Laser Dentistry, Jordan
LASER AND BIOSCAFFOLDS IN OROMAXILLOFACIAL SURGERY	**L. Cella[1], E. Merigo[1], C. Fornaini[1], F. Clini[1], N. Tinelli[2], M. Fontana[1], G. Lagori[1], A. Oppici[1]** [1]Odontostomatology and Maxillofacial Unit; "Guglielmo da Saliceto" Hospital, Piacenza – Italy; [2]ENT Unit; "G. da Saliceto" Hospital, Piacenza - Italy

A SUTURELESS CONDUCTIVE PATCH FOR ENHANCING THE CARDIAC ELECTRIC SIGNAL	**Damia Mawad, PhD** School of Materials Science and Engineering, University of New South Wales, Sydney, NSW 2052, Australia
INNOVATIVE COMBINATION TECHNIQUE FOR LOWER FACE AND NECK CONTOURING AND REJUVENATION	**Pichansak Bunmas, MD.** Plastic and Reconstructive Surgery, VPast Institute of Aesthetic and Plastic Surgery Center. Bangsaen & Pattaya Beach, Chon Buri, Thailand
PHOTOBIOMODULATON OF AUTOIMMUN SKIN DISEASES IN SMALL ANIMALS	**Kitti Szenasi, K., Kovacs DVM, PhD** Small Animal Laser Clinic, laser medicine Budapest, Hungary
THE MICROVASCULAR RESPONSE TO PHOTOBIOMODULATION WITH NON-COHERENT LIGHT SOURCES IN HEALTHY SUBJECTS: THE ROLE OF WAVELENGHT, GENDER AND AGE	**Lilach Gavish[1], L. Dudai[2], M. Halak[3], B. Gavish[4], Z. Ovadia-Blechman[2]** [1]The Hebrew University of Jerusalem, Israel [2]Afeka Tel-Aviv Academic College of Engineering, [3]Sheba Medical Center, [4]Yazmonit Ltd.
ER:YAG LASER-ACTIVATED IRRIGATION ASSISTEDNON-SURGICAL RE-TREATMENT OF MAXILLARY FIRST MOLARS TREATED WITH "RUSSIAN RED CEMENT": A CASE REPORT	**Yuhao Bai,DDS, MSc** **Dept of Dentistry, Capital Medical University** Xuanwu Hospital, Beijing, China
DIFFERENTIAL EXPRESSION OF MYOFIBROBLASTS ON CO2 LASER WOUNDS AND SCALPEL WOUNDS: AN EXPERIMENTAL MODEL	**R. Machado, CRB Oliveira, LA Vitória, FCA Xavier, ALB Pinheiro, AC Freitas, L M P Ramalho.** School of Dentistry, Federal University of Bahia, Salvador, Brasil

Inside the congress, the executive committees and the general assemblies of IPTA, ISLMS, WFSLMS and IALMS were also held where some important decisions were reached:

1) The President of IPTA was elected, it'll be Prof. Toni Pinheiro from Brasil who will replace Prof. Cheng-Jen Chang from Taiwan.
2) Prof. Longo replaced Dr. Sharon Krishna as President of ASLMS
3) Prof. Carlo Fornaini replaced Prof. Mariano Postiglione as Treasurer of IALMS.

They were also decided locations and times of the next Congresses:

1) Next Congress of APALMS will be in Bangkok on October 2018, 19th- 21st, organized by Prof. Apirag Chuangsuwanich and Prof. Bounmas Pichansak.
2) Next Congress of WFSLMS, IPTA and ISLMS will be in Taiwan on June 2019, organized by Prof. Cheng-Jen Chang and Prof. Ming Chen Kao.
3) Next Congress of ISLMS and WFSLMS will be in Toronto in 2021, organized by Prof. S. Yang.

Traditionally, Laser Florence Congress' end is the Gala dinner and this year the final was wonderful! Inside the exciting atmosphere of Villa Viviani, Prof. Longo and his team prepared a dinner program rich of music, dance, typical Tuscan food and a lot of happiness. Laser Florence is a great family where everybody may appreciate this smell of authentic friendship!
See you in Laser Florence 2019, November 7th – 9th .

Carlo Fornaini, Rapporteur

ATTENTION: from next year 2018 the official journal of the IALMS will be always free for the IALMS members, but only on-line. Paper copies could be requested, but its are not included in the subscription fee.

IALMS NEWSLETTER – December 2017

NETWORKS GENERATED BY PREVIOUS 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. Photodyalisis 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: Photopletismography 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.

2009: Guidelines for the use of non surgical lasers. Laser Diagnosis. Laser therapy for infertility. Laser and stem cells

2010: Follow up of positive results on central nervous system traumatic injuries. Laser therapy for peripheral nerve reconstruction. Laser therapy for prevenction of central nervous system post-traumatic damages. Laser diagnosis of early cancer of lung, uterus, breast, urinary bladder, prosthate. Laser and photodynamic therapy of prosthate cancer and lung cancer. Laser therapy of the menopause. Light for improving the follow-up of laser therapy of diabetes. Laser and stem cells for treatment of myocardial lesions.

2011: mechanisms of laser effects in quantum medicine; new procedures of percutaneous laser disc decompression of inter-vertebral disks. antimicrobial photodynamic therapy in chronic osteomyelitis. Multispectral visualization of glial brain tumors containing ppix in diffuse and laser-induced fluorescent light. Follow-up of laser treatment of spinal cord traumatic injuries.

2012: new treatment of non ablative laser for hypertrophic scars and keloids; new lasers in sport medicine; lasers for differentiation of stem cells; laser doppler myography; laser surgery of pancreas

2013: new laser treatment of acnis, vitiligo, psoriasis, melasma, scars, La Peyronie's disease; ablative laser therapy guided by optical coherence tomography; green laser promotes proliferation of neural progenitor cell; laser biomodulation of normal and neoplastic cells; sEMG-biofeedback for the evaluation of laser therapy on traumatic central nervous system injuries ; updata on laser and physical therapy applied to traumatic central nervous system injuries; laser for tennis player shoulder; multidiodes laser for dentistry application.

2015: Laser in sexually transmitted disease & sexual dysfunction, Laser in chronic abdominal wall pain syndrome, spinal cord injuries, Breast cancer, Use of Laser in telesurgical systems, skin regeneration by means of laser and Growth hormone, new Laser solutions for hemangiomas, dyschromia, melasma, new discoveries in PDT, lasers in Veterinary, dentistry, ENT, laser role in the treatments of musculoskeletal disorders and rehabilitation medicine. New Diamond laser.

2017: Multi-wavelength approach for many lesions, as peri-implantitis, Spinal Cord traumatic injuries, low back pain syndrome, induratio penis plastica.Red LED and Ultraviolet selection of parameters for the treatment of Psoriasis, Raman Spectroscopy in Diabetes diagnosis, New continuous cooling system for laser surgery, laser and nanotechnology for acnis and rejuvenation, photodynamic therapy of onychomicosis, laser in association with physiotherapy manoeuvres for the treatment of patient whit Spine coord injuries for headache and stress.

IALMS NEWSLETTER – December 2017

IALMS - REGISTRATION FORM FOR MEMBERSHIP

Name:_____Title:_____Institution_____

Address:_____

PostalCode_____City_____Country_____

Telephone_____FAX_____Email

Specialty_____ Type of Member_____

It is my intention to subscribe the membership of the IALMS for the year……..

Please indicate your choice(s) by ticking the appropriate box(es)

Type of membership	**Eurodollars**
Founding: are members who have participated in the act of foundation or who will be admitted as such, up until 31 December 2000.	**100**
Fellow: after five years of membership, or after *three* presentations at different Academy C and/or publications in the Academy Journal. Fellowship is by application to the Executive	**100**
Ordinary: all the other members. Members are expected to pay the admission fees prevailing at the time of their admission.	**200**
Scientific Societies and Associations: these pay one USD for each of their member, and each Society with minimum of 200 members can have one representative in the Executive Committee upon application.	**1 for member**
Manufacturers: they can have a member in the Executive Committee; They can use the logo of the Academy on their brochures	**500**

I send with this form the total amount of the relevant fees *(Please refer to the table up)*
Payment may be made ***(In Euro Dollars)*** *as follows:*

- *On-line, from the web.site www.ialms.international*
- *By credit card (fill in details below)*
- *By direct bank transfer in favor of the IALMS (see details below)*

(An official copy of the bank transfer should be enclosed with your reservation form)
Monte dei Paschi di Siena, Agenzia Firenze - account **IALMS 200414**
IBAN - **IT 77 Q 01030 02804 000000200414** BIC - **PASCITM1F20**
FAX 0039 0552342330 - ialms@laserflorence.eu

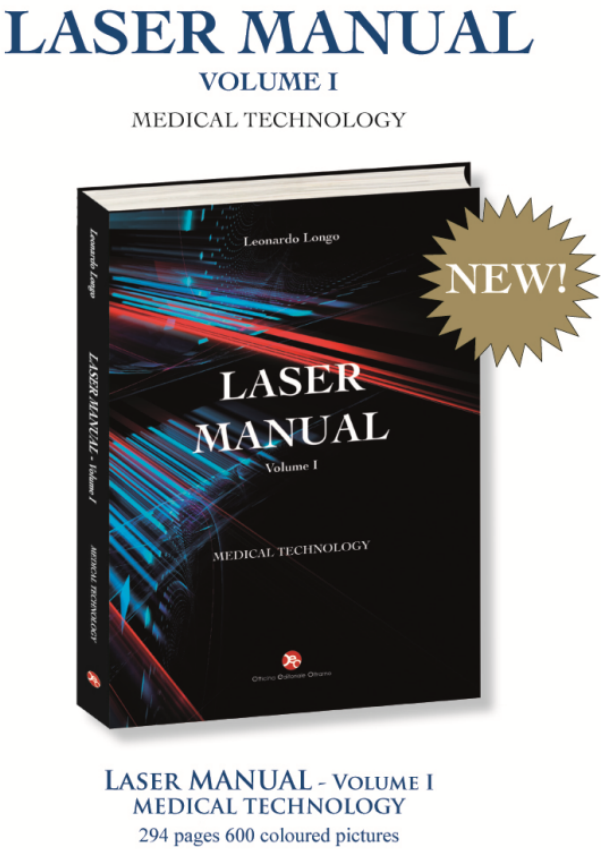
Or: I wish to pay by Type of credit card : (MASTERCARD,VISA; AMEX NOT ACCEPTED):

Card Number:_____

Expiration Date_____

Security Code _____ ***Cardholder's Signature and name on the card***

IALMS NEWSLETTER – December 2017



info@ceofirenze.it

CONTENTS

PARAGUAYAN ASSOCIATION OF LASER IN MEDICINE AND SURGERY- PALMS

The PALMS President, Dr. José María Aguilera Cantero, asked and obtained the cooperation with the IALMS. We hope to realize jointed projects in next future!


The16th Asian Pacific Association
for Laser Medicine & Surgery 2018
(16th APALMS 2018)
16th APALMS 2018
Bangkok, Thailand
Paradigm Shift of Laser Therapy
October 19-21, 2018
Bangkok, Thailand
Thailand Association for Laser Medicine and Surgery
TCEB
THAILAND CONVENTION & EXHIBITION BUREAU
www.apalms2018.org