

LASER FLORENCE 2017 - PROGRAM AT-A-GLANCE

PLENARY SESSION - LEADING LECTURE Room A – November 10 th , 2017 Chairpersons: M.C. Kao, Toshio Ohshiro, B.K. Rau		
8:15	42 YEARS EXPERIENCES IN OUR LASER CLINIC AND LABORATORY	Takafumi Ohshiro MD. PhD.¹, Toshio Ohshiro MD.PhD.², Katsumi Sasaki MD., PhD.³, Reiko Sakio MD. PhD.⁴ ¹ Associate Professor of the School of Medicine, Keio University, Vice-president of the Ohshiro Clinic. Tokyo ² Prof. of the school of medicine, Keio University, President of the Ohshiro Clinic, and Japan Medical Laser Laboratory. ³ Assistant Professor of the school of medicine, Keio University, Vice-president of the Ohshiro Clinic. ⁴ Assistant of the school of medicine, Keio University, Fellow of the Ohshiro Clinic.
8:35	LASER APPLICATIONS IN MEDICINE: AN EVOLUTION	Raymond J. Lanzafame, M.D., M.B.A., F.A.C.S. Raymond J. Lanzafame, MD PLLC; Rochester, NY USA
LASER DENTISTRY - 1 Room A – November 10 th , 2017 Chairpersons: T. Dostalova, C. Fornaini, J.P. Rocca		
9:00	PHOTOTHERAPIES USAGE FOR IMPROVING BONE REPAIR: FROM THE BENCH TO THE DENTAL CHAIR	A.L.B. Pinheiro^{1,2,3}, Amanda P. Soares^{1,2}, Luiz G. P. Soares^{1,2}, Fabiola B. Carvalho^{1,2}, Aparecida M. C. Marques^{1,2}. ¹ Center of Biophotonics, Sch. of Dentistry, Federal Univ. of Bahia, Salvador, BA, Brazil ² National Inst. Basic Optics and Applied to Life Science, São Carlos, SP, Brazil ³ Biomedical Engineering PhD Program, Brazil University, São Paulo, SP, Brazil
9:15	ULTRASTRUCTURAL ANALYSIS OF DENTAL CERAMIC SURFACE PROCESSED BY A 1070 NM FIBER LASER	C. Fornaini¹, Elisabetta Merigo², Federica Poli¹, Jean-Paul Rocca², Ahmed El Ghamal², Stefano Selleri¹, Annamaria Cucinotta¹ ¹ Dept of Engineering and Architecture, Parco Area delle Scienze – Parma, Italy. ² Micoralis Lab, Faculty of Dentistry, University of Cote d'Azur, 24 Avenue des Diables Bleus, Nice, France.
9:30	AT HOME" LASER THERAPY: A NEW APPROACH FOR LLLT?	Merigo E^{1,2} Rocca JP¹, Oppici A², Cella L², Fornaini C¹, ¹ Micoralis Laboratory, Faculty of Dentistry, University of Nice, 24 Av des Diables Bleus, 06357 Nice, France ² "Special needs" Dental Unit, Guglielmo da Saliceto" Hospital, via Taverna, 10 – 29100 - Piacenza – Italy
9 :45	LOW-LEVEL LASER THERAPY AFTER WISDOM TEETH SURGERY: EVALUATION OF IMMUNOLOGIC MARKERS-SECRETORY IGA, LYSOZYME LEVELS, AND THERMOGRAPHIC EXAMINATION-PLACEBO-CONTROLLED STUDY	T.Dostalova, Veronika Kroulikova, Stepan Podzimek, Helena Jelinkova Charles University, 2nd Medical Faculty, Department of Stomatology, Vuvalu 84, Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Prague Charles University, 1st and 2nd Medical Faculty, Czech Republic
10 :00	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
10 :15	NEWER PROTOCOL FOR 940 nm DIODE LASER ASSISTED SURGICAL EXCISION OF FIBROEPITHELIAL POLYP	Nitesh Tewari, Vijay P Mathur Delhi All India Institute of Medical Sciences, Pedodontics and Preventive Dentistry ,New Delhi, India

10 :30	LASER DENTAL APPLICATION: LASER ASSISTED ENDODONTICS TREATMENT IN ZOO ANIMALS	Katalin Kovacs, DVM Semmelweis University, Faculty of Medicine, Department of Surgical Research and Techniques; Small Animal Laser Clinic, laser medicine, laser surgery ,Budapest, Hungary
10 :45	LASER MINIMALLY INVASIVE BACTERICIDAL APPROCH FOR THE 21 CENTURY DENTISTRY	Roly Kornblit, DMD, DDS, Ms Rome
11 :00	COFFEE-BREAK	

LASER DENTISTRY 2

Room A – November 10th, 2017

Chairpersons: A. Baruchin, E. Merigo, A. Pinheiro

11 :15	ALUMINIUM PHTHALOCYANINE NANOPARTICLES FOR FD AND PDT APPLICATION IN DENTISTRY	Julia Zolotareva, Dina S. Farrakhova, Victor B. Loschenov Moscow National Research Nuclear University MEPhI - Moscow Engineering Physics Institute, Moscow, Russia
11 :30	FENTON REAGENT PLUS LED LIGHT 400 NM AS DISINFECTANT FOR THE ROOT CANAL.	G. Lagori, C. Fornaini, JP. Rocca, E. Merigo Micoralis Laboratory, Faculty of Dentistry, University of Nice, 24 Av. des Diables Bleus, 06357 Nice, France
11 :45	PERI-IMPLANTITIS: A MULTI WAVELENGTH APPROACH	JP Rocca^{1,2}, Y. Zhang², E. Merigo^{1,2}, Y. Zhen², C. Fornaini¹, Z. Zhao² ¹ University of Nice « Sophia Antipolis », UFR Odontologie, Nice - France ² Shijiazhuang 2 nd Hospital, Department of Stomatology, Shijiazhuang - China
12 :00	LASER AND BIOSCAFFOLDS IN ORO-MAXILLOFACIAL SURGERY	L. Cella¹, E. Merigo¹, C. Fornaini¹, F. Clini¹, N. Tinelli², M. Fontana¹, G. Lagori¹, A. Oppici¹ ¹ Odontostomatology and Maxillofacial Unit; “Guglielmo da Saliceto” Hospital, Piacenza – Italy; ² ENT Unit; “G. da Saliceto” Hospital, Piacenza - Italy
12 :15	LOW-LEVEL LASER THERAPY EQUIPMENT NEEDS CALIBRATION BEFORE CLINICAL USE	Andre Machado de Senna, Rosa Maria Machado-de-Sena, Arseni Lázaro Facundes, Patrícia Barros Nepomuceno, Renato Erothildes Ferreira ITPAC, IFTO, UFJF - Palmas, Brazil
12 :30	LOW LEVEL LASER THERAPY, BENEFIC FOR THE BONE REGENERATION IN THE TREATMENT OF THE PERIODONTAL DISEASE	Dana York, Azamat Butayev, Iskander Beibecov, Agafitza Lefter, Afiya Thaha, Sonia Herman, Anca Dumitriu, Mark Wolff Cannes, France
12 :45	NEW APPROACH IN THERAPY OF COMPLICATED GANGRAENA USING INFRARED PHOTODYNAMIC THERAPY	Robert Szabo Min-Dent 69 Bt, Budapest, Hungary
13 :00	COMPARISON OF ORTHODONTIC BRACKETS RE-BONDING: PREPARATION WITH ER:YAG LASER VERSUS CONVENTIONAL ACID ETCHING TECHNIQUE	Ying Zhao, Xiaowan Zheng, Lu Qin, Yuhao Bai, Chen Liang Xuanwu Hospital Capital Medical University, Beijing, 100053 China

13:15 - ROOM A - WFLMS, ISLSM, IPTA, IALMS GENERAL ASSEMBLY

BASIC SCIENCE AND LASER PHYSICS 1

Room B – November 10th, 2017

Chairpersons: **H. Avetissian, H. Jelinkova, L. Scalise**

9:00	LIGHT EMITTING DIODE RED LIGHT FOR PSORIASIS IN VITRO SELECTION OF PHOTOBIMODULATORY PARAMETERS	Jared Jagdeo , Associate Professor of Dermatology, UC Davis Department of Dermatology, USA
9:15	MICROSCOPY WITH ULTRAVIOLET SURFACE EXCITATION (MUSE) FOR RAPID, DIAGNOSTIC-GRADE IMAGES OF SKIN BIOPSY SPECIMENS	D Ho, MD^{1,2,3}, A Ghorbani-Aghbolaghi, MD⁴, M Fung, MD^{3,4}, F Fereidouni, PhD⁴, R Levenson, MD⁴, and J Jagdeo, MD, MS^{2,4,5}
9:30	LASER MICROSPECTROSCOPY IN FIGHTING MULTIPLE DRUG RESISTANCE	Mihail Lucian Pascu¹, Ruxandra Pirvulescu¹, Ionut Relu Andrei¹, Mihai Boni¹, Tatiana Tozar¹ ¹ National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania ² University of Medicine and Pharmacy “Carol Davila”, Emergency University Hospital, Ophthalmology Clinic, Bucharest, Romania
9:45	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
10:00	GENDER AND AGE RELATED PECULIARITIES OF FLUORESCENCE FROM MEDICAL SAMPLES	Aurelija Vaitkuviene, I. Ciplys, D. Varanius, V. Gegzna, R. Kurtinaitiene, J.V. Vaitkus Vilnius University, Obstetrics & Gynecology Dept, Vilnius, Lithuania
10:15	EXPLORATORY AND CLASSIFICATORY ANALYSIS FOR MEDICAL SPECIMENS' SPECTROSCOPIC SIGNALS OBTAINED BY LASER EXCITATION	V. Gegzna, I. Ciplys, J.V. Vaitkus, O. Kurasova, R. Kurtinaitiene, A. Vaitkuviene, G. Dzemyda Vilnius University
10:30	NON-CONTACT PROCEDURE TO MEASURE HEART AND LUNG ACTIVITIES IN PRETERM PEDIATRIC PATIENTS WITH SKIN DISORDERS.	L. Scalise, P. Marchionni, V.P. Carnielli, E.P. Tomasini Faculty of Engineering, Ancona University
10:45	CHITOSAN ADHESIVE SCAFFOLDS FOR TISSUE REPAIR AND STIMULATION	Antonio Lauto, PhD. The Biomedical Engineering and Neuroscience Group - Western Sydney University - NSW Australia
11:00	COFFEE-BREAK	

BASIC SCIENCE AND LASER PHYSICS - 2

Room B – November 10th, 2017

Chairpersons: **M.L. Pascu, F. Sicurello, J. Vaitkus**

11:15	LASER SYNTHESIS OF HYBRID NANOPARTICLES FOR BIOMEDICINE	H. Avetissian , Physics Institute, Yerevan University
11:30	MID-INFRARED LASERS AND THEIR APPLICATIONS	Helena Jelinkova, Maxim Doroshenko, Jan Sulc, Michal Nemeč, Michal Jelinek Czech Technical Univ in Prague, Faculty of biomedical engineering
11:45	DIABETES DETECTION BASED ON SERUM SAMPLES RAMAN SPECTROSCOPY	Jose Gonzalez, J. L. González-Solís, J. R. Villafan-Bernal, S. Sánchez-Enriquez Lagos De Morena, Jalisco Centro Universitario De Los Lagos, Universidad De Guadalajara, Raman Spectroscopy, Centro Universitario de Ciencias de la Salud

12:00	AUTOMATIC CLASSIFICATION OF FLUORESCENCE AND OPTICAL DIFFUSION SPECTROSCOPY DATA IN NEUROONCOLOGY	Tatiana Savelieva, Ph GPI RAS Moscow, Russia
12:15	ADJUNCTIVE INDICATIONS OF 830 NM LED-LLLT FOR THE AESTHETIC SURGEON	R Glen Calderhead, PhD DrMedSci, FRSM (SK) -Korean Inst. Photomed. & Surg. Res. (KIPPR), Goyang
12:30	LASERS LIGHT & DRUGS, COMBINED OR COMPERED, FOR PDT & LPL THERAPY	Farouk Al Watban, PhD Riyadh, Kingdom of Saudi Arabia KFSH&RC, WALA, Medical Laser
12:45	LASER TISSUE INTERACTION	K.Khatri, Skin & Laser Center, Boston, USA
13:00	POLYCHROMATIC VISIBLE AND INFRARED LIGHT OF SUN (480-3400 NM): MECHANISMS OF THE VARIETY OF THERAPEUTIC EFFECTS AND ONCOLOGICAL SAFETY	K. Samoilova, PhD Russian Academy of Sciences, St. Petersburg, Russia

13:15 - ROOM A - WFSLMS, ISLSM, IPTA, IALMS GENERAL ASSEMBLY

LASER ENT AND SAFETY

Room B - November 10th, 2017

Chairpersons: G. Bastianelli, Cheng-Jen Chang, K. Kovacs

15:00	SNORING: AN OUTPATIENT NON INVASIVE TREATMENT WITH ERBIUM:YAG LASER	Isabelle Fini Storchi, MD Studio Medico Dr. Isabelle Fini Storchi, Florence, Italy
15:15	CONTINUOUS COOLING SYSTEM IN CONJUNCTION WITH LASER SURGERY FOR EAR RESHAPING	Cheng-Jen Chang, MD, PhD, FACS Department of Plastic Surgery, Taipei Medical University Hospital, Taipei,, Taiwan
15:30	NEW TREATMENT OF CHRONIC PROLIFERATIVE AND OBSTRUCTIVE OTITIS EXTERNA IN DOGS WITH COMBINATION OF HARD PHOTODYNAMIC- AND LOW LEVEL LASERS	K. Kovacs, VMD Laser Vet Clinic, Budapest, Hungary
15:45	LASER IN NOSE OBSTRUCTION: SURGICAL AND NOT SURGICAL TREATMENT OF INCREASING PROBLEM	G. Bastianelli, F. Consagra, L. Longo* Studio Medico ORL Bastianelli, Firenze *Institute Laser Medicine, Florence, Italy
16:00	STAFF SAFETY FIRST = PATIENT SAFETY ALWAYS: USING WORKPLACE AUDIT TO ENSURE LASER SAFETY IN CLINICAL PRACTICE	Penny J. Smalley, R.N., CMLSO Chicago, Illinois, USA
16:15	NO SMOKING IN THEATRE - IT'S TIME TO CLEAR THE AIR	Penny J. Smalley, R.N., CMLSO Chicago, Illinois, USA

16:30 COFFEE-BREAK

TALK POSTER SESSION

Room B - November 10th, 2017

h 16:45 – 19:00

Chairpersons: F. Al-Watban, G. Calderhead, K. Samoilova, Ying Zhao

16:45	A COMPARATIVE STUDY OF CASTOR OIL USING RAMAN SPECTROSCOPY TECHNIQUE AND MULTIVARIATE ANALYSIS	<p>J. C. Martinez Espinosa¹, T. A. Gallegos de los Santos², T. Córdoba Fraga², J. Bernal Alvarado², M.S. Osegueda Robles²</p> <p>¹Instituto Politecnico Nacional-UPiig, Silao de la Victoria ²Departamento de Ingeniería Física – DCI, Universidad de Guanajuato campus León, Loma del Bosque N. 103, Lomas del Campestre, 37150 León, GTO, México</p>
16:50	COMPACT ND:YAG LASER OPERATING AT 1.06, 1.32, AND 1.44 UM IN DENTISTRY	<p>M. Kadlecová, T. Dostalova, H. Jelinkova, M. Nemeč, J. Sulc, M. Fibrich, K. Nejezchleb, N. Kapitch</p> <p>Charles University 2nd Faculty of Medicine and University Hospital in Motol, Prague, Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Crytur, Turnov, Czech Republic</p>
16:55	COMPACT PASSIVELY Q-SWITCHED 1064 NM LASER SOURCE WITH OUTPUT BEAM CORRECTION FOR OPHTHALMIC APPLICATION	<p>Nickalai Kapitch¹, Turnov, K. Nejezchleb, V. Škoda, H. Jelinkova, M. Nemeč, M. Čech</p> <p>¹Czech Republic Crytur Ltd., Laser Physics Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering Department of Physical Electronics</p>
17:00	PHOTOBIMODULATION THERAPY ASSOCIATED WITH TREADMILL TRAINING IN THE OXIDATIVE STRESS IN A COLLAGEN-INDUCED ARTHRITIS MODEL	<p>S. A. dos Santos; A. J. Serra; M. A. S. Vieira; M. C. Brandão; T. G. Stancker; B. Lemes; E. C. L. Junior; P. T. C. Carvalho</p> <p>São Bernardo do Campo, São Paulo Univ. Nove de Julho - Uninove, PhD student in Rehabilitation Sciences</p>
17:05	CLINICAL AND HISTOLOGICAL EVALUATION OF LASER THERAPY IN THE TREATMENT OF ORAL MUCOSITIS IN AN ANIMAL MODEL	<p>Lívia Vitória[*], RM Machado^{**}, CRB Oliveira[*], TT Rodriguez^{***}, MCT Cangussu[*], CC Mathias^{****}, LMP Ramalho[*]</p> <p>[*] School of Dentistry, Federal University of Bahia, Salvador, Brasil. ^{**} School of Medicine, Bahia Foundation for the Development of Sciences, Salvador, Brazil. ^{***} Health Sciences Center, Federal University of Bahia, Salvador, Brazil ^{****} NOB/Oncoclínicas</p>
17:10	EVALUATION OF PHOTOTHERAPY IN THE DIFFERENTIATION OF MESENCHYMAL STEM CELLS IN THE TISSUE REPAIR OF RATS SUBMITTED TO A HYPERLIPIDEMIC DIET	<p>L. Ramalho[*], LS Santos^{**}, VDU Silva[*], LA Vitória[*], TT Rodriguez^{**}, AMC Marques[*], FCA Xavier[*]</p> <p>[*]School of Dentistry, Federal University of Bahia, Salvador, Brasil, ^{**} Health Sciences Center, Federal University of Bahia, Salvador, Brazil</p>
17:15	DIFFERENTIAL EXPRESSION OF MYOFIBROBLASTS ON CO2 LASER WOUNDS AND SCALPEL WOUNDS: AN EXPERIMENTAL MODEL.	<p>R. Machado, CRB Oliveira, LA Vitória, FCA Xavier, ALB Pinheiro, AC Freitas, L M P Ramalho.</p> <p>School of Dentistry, Federal University of Bahia, Salvador, Brasil</p>
17:20	TREATING POSTSTROKE LIMB PAIN	<p>Bela Hegedus[*], Szilvia Hegedus^{**}</p> <p>[*]Ss. Cosmas and Damian Rehabilitation Institute, Visegrád, Hungar, Locomotor Rehabilitation, Szeged, ^{**}Institute of Education, University of Szeged, Hungary</p>
17:25	PHOTOBIMODULATION OF PAIN IN A COLLAGENASE-INDUCED MODEL OF TENDINITIS IN RATS - MOLECULAR AND FUNCTIONAL ASPECTS	<p>Soraya Piccirillo¹; Patrícia Almeida¹; Romildo Torres Da Silva²; Rodrigo Alvaro Brandao Lopes-Martins²; Rodrigo Leal De Paiva Carvalho³; Paulo De Tarso</p>

		<p>Camilo De Carvalho¹; Antônio Soares⁴; Marcelo Nicolas Muscará⁴; Rodrigo Labat Marcos¹ ¹ Uninove, Sao Paulo - SP - Brazil; ²UMC, Mogi Das Cruzes - SP - Brazil; ³USC, Bauru - SP - Brazil. ⁴ICB - USP, São Paulo - SP - Brazil</p>
17:30	PHOTOBIMODULATION LASER IMPROVES THE EARLY REPAIR PROCESS OF HYPOTHYROID RATS	<p>Virginia Uzêda* e Silva, Tania Tavares Rodriguez, Flávia Calo Aquino Xavier, Jean Nunes dos Santos , Rebeca Mota Vasconcelos, Luciana Maria Pedreira Ramalho *Federal Univ. of Bahia, Estomatology Salvador Bahia NYU Langone Medical Center</p>
17:35	THE EFFECT OF PHOTOTHERAPIES ON BONE REPAIR OF EUTHYROID AND HYPOTHYROID RATS: RAMAN SPECTROSCOPIC STUDY.	<p>Amanda P. Soares¹, Luiz G. P. Soares¹, Jean Nunes dos Santos², Landulfo Silveira Jr³, Antonio Luiz .B. Pinheiro^{1,2,4,5} ¹Center of Biophotonics, School of Dentistry, Federal Univ. of Bahia, Salvador, Brazil ²Laboratory of Surgical Pathology, School of Dentistry, Federal University of Bahia, Salvador, BA, Brazil ³Center for Innovation, Technology and Education – CITE, Universidade Anhembi Morumbi – UAM, São José dos Campos, SP, Brazil ⁴National Inst. Basic Optics and Applied to Life Science, São Carlos, SP, Brazil ⁵Biomedical Engineering PhD Program, Brazil University, São Paulo, SP, Brazil</p>
17:40	ER:YAG LASER APPLICATION IN BONE APOPHYSIS ABLATION : A CASE REPORT	<p>Chen Liang, DDS, MD Department of Dentistry, Capital Medical University Xuanwu Hospital, Beijing , China</p>
17:45	ER:YAG LASER ABLATION IN CARIES REMOVAL: A CASE REPORT	<p>Lu Qin, DDS, MD Stomatology Department, Capital Medical University Xuanwu Hospital (China)</p>
17:50	ER:YAG LASER-ACTIVATED IRRIGATION ASSISTEDNON-SURGICAL RE-TREATMENT OF MAXILLARY FIRST MOLARS TREATED WITH “RUSSIAN RED CEMENT”: A CASE REPORT	<p>Yuhao Bai,DDS, MSc Dept of Dentistry, Capital Medical University Xuanwu Hospital, Beijing, China</p>
17:55	PERCUTANEOUS APPLICATION OF POLICHROMATIC VISIBLE AND INFRARED LIGHT SIMILAR TO SOLAR RADIATION, TRIGGERS SYSTEMIC MECHANISM OF DOWNREGULATION OF THE HUMAN MYELOMA CELL PROLIFERATION AND ENHACES EFFECT OF CYTOSTATIC DRUG	<p>Anna Shcherbanyuk¹, N.V. Kalmykova¹, S.I.Moiseev¹, K.A.Samoilova² ¹The Nikiforov Russian Center of Emergency and Radiation Medicine, St. Petersburg, Russia ²Institute of Cytology of Russian Academy of Science, St. Petersburg, Russia</p>

LASER AND DRUGS

Room A – November 10th, 2017

Chairpersons: J. Jagdeo, R. Lubart, V. Tsepolenko

14:15	INIR ILLUMINATION INDUCES ROS FORMATION BY ZnO NANO PARTICLES	R. Lubart, U. Dotan and H. Friedmann Bar Ilan University, Ramat Gan, Israel
14:30	NANOTECHNOLOGY AND LIGHT FOR P. ACNIS TREATMENT	L. Longo*, O. Sheykh*, A. Gedanken, A. Lipovsky, D. Fixler, I. Yariv and R. Lubart Bar Ilan University, Ramat Gan, Israel, *Institute Laser Medicine, Firenze, Italy
14:45	DOPPLER LASER IMAGING PREDICTS RESPONSE TO TOPICAL MINOXIDIL IN THE TREATMENT OF FEMALE PATTERN HAIR LOSS	A. Goren, J. McCoy, M. Kovacevic, M. Situm, A. Stanimirovic, Z. Bolanca ¹ Applied Biology, Inc., Irvine, CA 92614, USA ² Department of Dermatology and Venereology, University of Rome "G.Marconi", Rome, Italy.
15:00	COMPLEX APPROACH TO SKIN REJUVENATION BY MEANS OF LASER AND CELL TECHNOLOGIES	Vladmir Tsepolenko President, Ukraine Society of Aesthetic Medicine, Odessa
15:15	CORRECTION OF CICATRICAL SKIN DEFORMITIES BY MEANS OF LASER AND CELL TECHNOLOGIES	Anna Tsepkenko Dermatovenerologist, Chief of the regenerative, laser and photo-technologies Dept, Course instructor at the European school of aesthetic medicine of USEM Institute of esthetic medicine "Virtus", Odessa, Ukraine.
15:30	COMPLICATIONS AND UNFAVORABLE RESULTS OF LASER CO2 SURGERY OF INGROWN TOENAILS AND PLANTAR WARTS	A.Baruchin, MD, O. Baruchin, MD Plastic Surgery Dept, Ben-Gurion Univ. Beer-Sheba, Askelon, Israel
15:45	NEW PERSPECTIVES IN PHOTODYNAMIC THERAPY: A NEW PROTOCOL FOR THE TREATMENT OF ONYCHOMYCOSIS	C. Pedrinazzi¹, L. Longo², J. Houang³, A. Lauto³ ¹ University of Pavia, Italy ² IALMS, Florence, Italy ³ University of Western Sidney, Australia
16:00	MEDICAL COSMETOLOGY AROUND THE LASER THERAPY	Gloriana Assalti , Cosmetology Professor, Servizio di medicina estetica FBF Hospital Rome, Italy
16:15		K. Khatri, MD Skin & Laser Center, Boston, USA
16:30	USE OF LASERS DURING ISOTRETINOIN THERAPY	

LASER/LIGHT IN AESTHETIC MEDICINE AND SURGERY

Room A – November 10th , 2017

Chairpersons: K. Khatri, T. Lotti, F. Tomaselli

16:45	HAEMANGIOMA - LASER MANAGEMENT. A CASE STUDY	Sharon Krishna MS, FAGE, FAIS Billroth Hospital R A Puram,52, Second main Road, R A Puram Chennai 600028, India
17:00	HERBIUM LASER AND LOW DOSE CYTOKINES THERAPY: A NEW TOOL FOR VITILIGO TREATMENT	Gianfaldoni S.* , Gianfaldoni R.* , Lotti T.** * MD, Dermatologist and Venereologist, Pisa, Italy **MD (Hon), Professor & Chair of Dermatology University of Rome “G. Marconi”, Italy
17:15	MINIMALLY INVASIVE METHODS IN REGENERATIVE AND AESTHETIC MEDICINE	Fulvio Tomaselli, MD Honorary President, SIME, Rome Consorzio Universitario Humanitas – Roma, Italy
17:30	LASER RESURFACING IN ASIAN PATIENTS	Cheng-Jen Chang, MD, PhD, FACS Taipei Medicine University Hospital
17:45	LASER LIPOLYSIS with 1470 nm AND ITS IMPLEMENTATION	Zoran Zgaljardic MD, PhD ,Ivonne Zgaljardic,MD Zagreb - Croatia
18:00	FACE AND LABIAL REJUVENATION WITH THE NEW ND-YAG 1064 PICOSECONDS LASER	Heitor Teixeira and Carolina Teixeira, Medilaser Clinic Surgery, Aveiro, Portugal
18:15	LASER VS RF FOR FACIAL REJUNEVATION AND LIFTING: CLINICAL OUTCOME FOR STAND ALONE TREATMENT AND COMBINATION TECHNIQUE	Pol.Col. Bunjert Titapiwatanakun MD, PhD Dermatology Division, Police General Hospital. Bangkok, Thailand
18:30	ND-YAG 1064 PICOSECONDS LASER TATTOO ABLATION	Heitor Teixeira and Carolina Teixeira Medilaser Clinic Surgery, Aveiro, Portugal
18:45	PROSPECTIVE STUDY OF ND:YAG LASER FOR THE TREATMENT OF HYPERPIGMENTED SPLIT-THICKNESS SKIN GRAFTS	Apirag Chuangsuwanich, MD, PhD Thailand Department of plastic surgery , Faculty of Medicine , Siriraj Hospital ,Mahidol University, Bangkoknoi, Bangkok , Thailand
19:00	CLINICAL APPLICATION OF LASER HAIR REMOVAL FOR ASEAN PEOPLE	Pol.Col. Bunjert Titapiwatanakun MD,PhD Dermatology Division, Police General Hospital. Bangkok, Thailand.
19:15	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
19:30	<p>OPEN CEREMONY WITH WELCOME COCKTAIL</p> <p>Welcome from the Presidents of the IALMS, WFSLMS, ISLMS, IPTA L. Longo, M.C. Kao, S. Krishna, Cheng-Jen Chang</p> <p>MEMORIAL TO ISAAC KAPLAN T. Ohshiro</p> <p>MEMORIAL TO VENKATASAMI JEGANATHAN B.K. Rau</p> <p>HUMANITARIAN ACTIVITY with LASER AND DRUGS – B-Sacs Campaign and Colostrum T. Ohshiro, D. Kolt</p>	

PLENARY SESSION - LEADING LECTURE

Room A – November 11th, 2017

Chairpersons: **Apirag Chuangsuwanich, H. Teixeira, A. Vaitkuviene**

8:15	THE APALMS - ASIAN PACIFIC ASSOCIATION FOR LASER MEDICINE AND SURGERY: HISTORY	Apirag Chuangsuwanich, MD, PhD, Bunmas Pichansak, MD Vplast Institute of Aesthetic and Plastic Surgery Center, Bangkok, Thailand
8:30	PHOTOBIOLOGICAL DOSIMETRY OF TISSUE EXPOSURE	D. Sliney, Biophysicist, Johns Hopkins Univ. School of Public Health, Fallston, USA

LASER/LIGHT IN SURGERY

Room A – November 11th, 2017

Chairpersons: **S. Krishna, R. Lanzafame, M. Stark**

9:00	THE VISION OF VIEZION: A NEW APPROACH TO ONCOLOGICAL TREATMENTS	M. Stark, MD, PhD President, The New European Surgical Academy (NESA) Unter den Linden 21 - 10117 Berlin, Germany
9:15	RETROSPECTIVE SURVIVAL ANALYSIS OF 84 PATIENTS WITH MULTIPLE PULMONARY METASTASES FROM SOLID TUMORS TREATED BY A 1318-NM DIODE LASER COMBINED WITH ANATOMIC LUNG RESECTION	Alexander Kern, Steffen Drewes, Beata Bis, Axel Rolle Dresden, Saxony Department of Thoracic Surgery; Fachkrankenhaus Coswig, Thoracic Surgery, Germany
9:30	VARICOSE VEINS ENDOLUMINAL LASER ABLATION FROM THE BEGINNING EVLT TILL NOW CELIV	Heitor Teixeira, MD Medilaser Clinic Surgery, Aveiro, Portugal
9:45	LASER THERAPY OF FEMALE INFERTILITY	Toshio Ohshiro MD, PhD¹, Takafumi Ohshiro MD, PhD², Katsumi Sasaki MD, PhD³, Reiko Sakio MD, PhD⁴ ¹ Prof. of the School of Medicine, Keio Univ., President of the Ohshiro Clinic., Tokyo, Japan ² Associate Prof., School of Med., Keio Univ., Vice-president, Ohshiro Clinic. ³ Assistant Prof., School of Med., Keio Univ., Vice-president, Ohshiro Clinic. ⁴ Assistant of the Sch. of Medicine, Keio Univ. Fellow of the Ohshiro Clinic.
10:00	LASER THERAPY IN WOMEN GENITAL CHLAMYDIA TRACHOMATIS INFECTION COMPLICATED WITH PID AND INFERTILITY	¹Daniela Brinzan, MD, ²L. Pausan, MD, ²C. Smeu, MD ¹ Arad County Hospital Arad,, Obstetrics-Gynecology, ² Vasile Goldis Medicine University, Arad, Rumania
10:15	LASER DIAGNOSTICS TECHNOLOGIES FOR DEGENERATION AND MODIC CHANGES DETECTION IN HUMAN INTERVERTEBRAL DISC SAMPLES	J.V. Vaitkus, D. Varanius, V. Gegzna, I. Ciplys, G. Terbetas, A. Vaitkuviene Vilnius University, Lithuania
10:30	THE ANALYSIS OF TECHNIQUES FOR INTERVERTEBRAL DISC SAMPLES' AUTOFLUORESCENCE-SPECTRA-BASED CLASSIFICATION	I. Ciplys, V. Gegzna, D. Varanius, A. Vaitkuviene, G. Terbetas, J.V. Vaitkus. Vilnius University, Lithuania

10:45	THE PERCUTANEOUS LASER DISC DECOMPRESSION FOR SLIPPED DISC ACCORDING TO THE CHOY'S METHOD: PERSONAL EXPERIENCE ON 4,000 PATIENTS AND LONG FOLLOW-UP	G.P. Tassi , Neurosurgeon, Queen Anne Street Medical Centre, London, UK
11:00	COFFEE BREAK	

LASER BIOMODULATION: SCIENTIFIC RESEARCH and CLINICAL PRACTICE		
Room A – November 11th, 2017		
Chairpersons: R. Lopes Martins, A. Mester, L. Navratil		
11:15	LASER THERAPY IN TENDINOPATHIES	R. Lopes Martins, Ph.D. Dean of Biomedical Engineering at University of Mogi das Cruzes - SP - Brazil
11:30	LASER BIOSTIMULATION THERAPY PLANNING SUPPORTED BY IMAGING	Adam Mester, MD., Ph.D., National Laser Therapy Centre Peterfy Sandor Teaching Hospital, Budapest
11:45	PHOTOBIMODULATION CLINICAL APPLICATIONS AND EFFECTS: AN UPDATE ON MECHANISMS	Raymond J. Lanzafame, M.D., M.B.A., F.A.C.S. Raymond J. Lanzafame, MD PLLC, Rochester, NY USA
12:00	DYNAMIC CHANGES IN GAMMA-IRRADIATED MICE TREATED WITH LASER	Yulia Efremova¹, Zuzana Sinkorova², Jaroslav Racek³, Anna Lierova², Marcela Jelicova², Leos Navratil¹ 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
12:15	PHOTOBIMODULATION OF AUTOIMMUNE SKIN DISEASES IN SMALL ANIMALS	Kitti Szenasi, K., Kovacs DVM, PhD Small Animal Laser Clinic, laser medicine Budapest, Hungary
12:30	THE MICROVASCULAR RESPONSE TO PHOTOBIMODULATION WITH NON-COHERENT LIGHT SOURCES IN HEALTHY SUBJECTS – THE ROLE OF WAVELENGTH, GENDER, AND AGE	Lilach Gavish¹, L. Dudai², M. Halak³, B. Gavish⁴, Z. Ovadia-Blechman² ¹ The Hebrew University of Jerusalem, Israel ² Afeka Tel-Aviv Academic College of Engineering, ³ Sheba Medical Center, ⁴ Yazmonit Ltd.
12:45	PBM FOR CHRONIC KIDNEY DISEASE	Richard L. Godine, DVM Ruckersville Animal Hospital and Veterinary Laser Therapy Center
13:00	THE ROLE OF LOW LEVEL LASER THERAPY (LLLT) IN POST OPERATIVE CARE OF AESTHETIC PLASTIC SURGERY	Pichansak Bunmas, MD Vplast Institute of Aesthetic and Plastic Surgery Center, Plastic surgery, Chon Buri, Thailand
13:15	LASER BIOMODULATION OF FEMALE GENITALIA	Khalil A. Khatri, MD Skin & Laser Surgery Center of New England Boston, MA, USA
13:30	LIGHT LUNCH	

LASER REHABILITATION IN CENTRAL NERVOUS SYSTEM INJURIES

Room A November 11th, 2017

Chairpersons: J. Anders, Y. Asagai, S. Rockhind

14:30	WATTS A JOULE: LASER TERMINOLOGY REVISITED	G. Calderhead, PhD DrMedSci, FRSM (SK) Korean Inst. Photomed. & Surg. Res. (KIPPR), Goyang
14:45	TREATMENT AND SUPPORTIVE EFFECT OF LASER PHOTOBIO-MODULATION IN PERIPHERAL NERVE AND SPINAL CORD INJURIES.	S. Rockhind, MD, PhD, Neurosurgery Institute, Tel Aviv University, Israel
15:00	PHOTOBIO-MODULATION THERAPY (PBMT) PARAMETER OPTIMIZATION FOR THREE WAVELENGTHS USING AN IN VITRO HUMAN DERMAL FIBROBLASTS (HDF) MODEL	J. Anders, PhD Uniformed Services University of the Health Sciences 4301 Jones Bridge Road, Bethesda, Maryland Director Photobiomodulation Technical Group, Optical Society of America
15:15	26 YEARS' EXPERIENCE OF LOW LEVEL LASER THERAPY (LLLT) FOR CHILDREN WITH CEREBRAL PALSY	Yoshimi Asagai, MD Department of Orthopedic Surgery, Shinano Handicapped Children's Hospital 6525-1 Shimosuwa
15:30	THE ROLE OF MULTI-WAVELENGTHS LASER THERAPY IN THE TREATMENT OF CENTRAL NERVOUS SYSTEM INJURIES	L. Longo, MD, O. Sheykh, MD, D. Longo, PT, MSc, P. Lippi, PT, MSc¹, G. Cherubini, PT, MSc, V. Mangé, PT¹, MSc, M. Giudici, PT¹ Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy ¹ University of Florence- Florence, Italy
15:45	EFFECTS OF LASER THERAPY AND GRIMALDI'S MUSCLE SHORT MANOEUVRE ON SPASTICITY IN CNS-INJURIES	D. Longo, PT, MSc¹, L. Longo, MD¹, P. Lippi, PT, MSc², G. Cherubini, PT, MSc¹, V. Mangé, PT, MSc¹, M. Giudici, PT¹. ¹ Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy ² University of Florence- Florence, Italy
16:00	EFFECT OF LASER STELLATE GANGLION STIMULATION ON THE AUTONOMIC NERVOUS SYSTEM	Francesco Paperini^{1,2,3}, PT Claudio Deriu¹, PT, PESS Luca Farinelli⁴, PT Cristina Minneci^{1,3}, PT, MSc ¹ Riabilita, Rehabilitation Firm, Pisa, Italy. ² Functional Clinic, Rehab. Centre, Rosignano Solvay, Italy ³ Starbene SRL, Rehabilitation Centre, Cerreto Guidi, Italy ⁴ My Physio, Rehabilitation Firm, Borgo a Mozzano, Italy
16:15	EFFECTS OF LASER THERAPY AND GRIMALDI'S MUSCLE SHORT MANOEUVRE ON WALKING PATTERN, IN PATIENTS AFFECTED BY INCOMPLETE SPINAL CORD INJURIES	D. Longo, PT, MSc¹, L. Longo, MD¹, P. Lippi, PT, MSc², O. Sheykh, MD¹, G. Cherubini, PT, MSc¹, V. Mangé, PT, MSc¹, M. Giudici, PT¹. ¹ Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy ² University of Florence- Florence, Italy
16:30	TRANSCRANIAL PHOTOBIO-MODULATION FOR STRESS: WHY, WHEN, AND WHERE TO TREAT	Nicholas A. Wise, D.C. Post-Doctorate Research Fellow, Program on Integrative Med., Physical Medicine and Rehabilitation, Univ- of North Carolina- Chapel Hill, 187 School of Med, Wing D Chapel Hill, 7200, USA
16:45	COFFEE BREAK	

LASER REHABILITATION

Room A – November 11th, 2017

Chairpersons: G.D. Baxter, P. F. Parra, N. Wise

17:00	RESEARCH IN LOW LEVEL LASER THERAPY PHOTOBIMODULATION: MEETING THE CHALLENGES TO RESEARCH INTEGRITY	G.D. Baxter , D, BSc, DPhil, MCSP (GB) – Dean, Otago Univ.(NZ), School of Health Sciences, Dunedin, New Zealand
17:15	MOTOR CONTROL A BRIDGE BETWEEN NEUROSCIENCE AND REHABILITATION	Daniele Piscitelli , PhD School of Medicine and Surgery, PhD Program in Neuroscience, University of Milano-Bicocca, Milan, Italy
17:30	TREATMENT OF MENISCO-CAPSULAR JUNCTION TEARS WITH HIGH POWER LASER	¹Pier Francesco Parra, MD, ¹Giannino Algeri, Eng, ²Luca Farinelli, PT ³Tullio Stabile ¹ Visiting Professor in Pisa University (Medicine and Surgery) ² Physiotherapist in the Italian Tennis Federation National Teams ³ Osteopath in the Italian Tennis Federation National Teams
17:45	ACUTE AND CHRONIC LUMBAGO TREATED WITH LASER 1064 & 808 nm	L Longo, MD, O Sheykh, MD, D Longo, PT, MSc., P. Lippi, PT, MSc¹, G Cherubini, PT, MSc., V Mangé, PT, MSc.¹ and M. Giudici, PT¹ Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy ¹ University of Florence- Florence, Italy
18:00	ADVANCED LASER THERAPY OF INDURATIO PENIS PLASTICA	L Longo, MD, O Sheykh, MD Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy
18:15	LOW LEVEL LASER THERAPY PHOTOBIMODULATION FOR THE MANAGEMENT OF BREAST CANCER-RELATED LYMPHOEDEMA: AN UPDATE	G David Baxter, Lizhou Liu, Simone Petrich*, Cathy Chapple, Juanita J Anders**, Steve Tumilty Dunedin, University of Otago, Rehabilitation Dept, NZ * Department of Surgical Sciences, Southern District Health Board, Dunedin, New Zealand; **Department of Anatomy, Physiology and Genetics, Uniformed Services University of the Health Sciences, Maryland, United States
18:30	BENEFITS OF HIGH POWER LASER THERAPY FOR PATIENTS WITH DISORDERS OF THE MUSCULOSKELETAL SYSTEM	Navratil Vaclav, Prihoda Ales, Blaskova Eliska, Kimlickova Monika, Efremova Yulie, Navratil Leos The Faculty of Biomedical Engineering of the Czech Technical University in Prague, Department of Health Care Disciplines and Population Protection, Kladno, Czech Rep Clinic THERAP TILIA, Prague, Czech Republic
18:45	ADDITIVE EFFECTS OF LOW-LEVEL LASER THERAPY TO EXERCISE IN PATIENTS WITH SHOULDER DISORDERS: A SYSTEMATIC REVIEW AND META-ANALYSIS	Adedapo Awotidebe¹, G Inglis-Jassiem², T Young² ¹ Faculty of Allied Health Sciences, Department of Physiotherapy, Bayero University Kano, Nigeria. ² Centre for Evidenced-based Health Care, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town 7505, South Africa
19:00	WFSLMS, ISLSM, IPTA, IALMS Final GENERAL ASSEMBLY and CONCLUSION	

21:15

GALA DINNER WITH SHOW, CLOSURE CEREMONY, GRANTS & AWARD ASSIGNATION