

LASER FLORENCE 2019 – FINAL PROGRAM AT-A-GLANCE
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PLENARY SESSION 1 - LEADING LECTURES

LASER AND HUMAN ENERGY FIELD

Room A – November 8th, 2019

Chairpersons: K. Korotkov, R. Lubart, P. Manzelli, L. Pedersoli

8:00	BIOPHYSICAL MECHANISMS OF LIGHT DIAGNOSTICS AND TREATMENT IN INTEGRATIVE MEDICINE	K. Korotkov, PhD St. Petersburg University, Russia
8:20	BIOINFORMATION; LASER THERAPY AND BIOPHOTONS EMISSION. NEW APPROACH OVER THE STATE OF THE ART TO POWER THE COHERENT HEALTH STATE THROUGH LASER STYMULATION OF INTERCELLULAR COMMUNICATION	P. Manzelli, PhD, Director of LRE/EGO- CreaNet – University of Florence
8:40	MENTAL INFLUENCE ON PHYSICAL REALITY	L. Pederzoli, Eng Evanlab Laboratory, Florence

LASER DENTISTRY Room A – November 8th, 2019 Chairpersons: C. Fornaini, A. Pinheiro, J.P. Rocca		
9:00	SWITCHABLE FLASHLAMP-PUMPED Nd:YAG LASER SYSTEM EMITTING TWO NEAR-INFRARED WAVELENGTHS IN DENTISTRY	¹Tatjana Dostalova, PhD, ²Helena Jelinkova, PhD, ²Michal Nemec, ²Jan Sulc, Miroslav ³Cech, ³Karel Nejezchleb ¹ Charles University - 2nd Medical Faculty, Dept of Stomatology, Prague ² Faculty of Nuclear Science and Physical Engineer., Czech Technical University in Prague ³ Crytur Ltd., Turnov, Czech Republic
9:15	THE USE OF Er:YAG LASER IN AESTHETIC DENTISTRY.	Roly Kornblit , MD, DDS, PhD Rome, Italy
9:30	BLUE LASER: A GREAT NEW GREAT OPPORTUNITY FOR DENTIST	C. Fornaini Micoralis laboratory, UFR Odontologie, UNiversité Côte d'Azur (France)
9:45	DIRECT MICROBIAL EXAMINATION AS A MEAN TO VALIDATE DECONTAMINATION METHODS IN PERIODONTICS.	Rocca Jean-Paul, Zhao Mang, Yang Lei, Fornaini Carlo, Merigo Elisabetta. Micoralis laboratory, UFR Odontologie, UNiversité Côte d'Azur (France) 2nd Hospital, Shijiazhuang, Hebei Province, China
10:00	RECENT ADVANCES IN AmPDT	A.L.B. Pinheiro, MD, DDS, PhD Center of Biophotonics, School of Dentistry & LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia - Brazil.
10 :15	BIPHASIC DOSE RESPONSE OF PHOTOBIMODULATION ON BONE REMODELING AND ORTHODONTIC TOOTH MOVEMENT IN AN ANIMAL MODEL	Aguinaldo Garcez, Marcel M Ramos, Denise N Fujji, Selly S Suzuki São Paulo, SP São Leopoldo Mandic Dental Research Center, Dentistry
10 :30	PREVENTIVE EFFECT OF RESTORATIVE MATERIALS ON SECONDARY CARIES AFTER ARTIFICIAL CARIES LIKE LESIONS USING OCT AND SPECKLE LASER	Oliveira P., Oliveira PHC, Oliveira LHC, Oliveira MRC, Cassoni A, De Anna A M, Bussadori SK, Prates R Nove de Julho University, , São Paulo, Brazil
10 :45	LASER AND LED FOR THE TREATMENT OF POTENTIALLY MALIGNANT ORAL LESIONS (PMOL) AND ORAL CANCER: SYSTEMATIC REVIEW OF THE LITERATURE	E. Merigo, C. Fornaini Micoralis laboratory, UFR Odontologie, UNiversité Côte d'azur (France)
11 :00	COFFEE-BREAK	

LASER DENTISTRY TALK POSTERS

Room B – November 8th, 2019

Chairpersons: T. Dostalova, KPS Fernandes, R. Kornbilt

1 11 :15	PHOTODYNAMIC THERAPY REVERSES THE NEGATIVE EFFECTS OF PERIODONTITIS DURING THE GESTATION	Alexandre Wuo, PhD; S. Klein, F.M.M. Da Silva, E.P. Rosa, P. Almeida, R..L. Marcos, A.C.R.T. Horliana, A. Lino-Dos-Santos-Franco Mogi das Cruzes, SP Universidade Nove de Julho UNINOVE, Sao Paulo, Brazil
2 11 :20	PHOTODYNAMIC THERAPY IN PREGNANT RATS WITH PERIODONTITIS PARTIALLY REVERSES THE LOW BIRTH WEIGHT WITHOUT ALTER THE PRETERM BIRTH	Graziele Fonseca, G.R. Sorilha-Fonseca; A.C.R.T. Horliana; A. Lino-Dos-Santos- Franco. São Paulo, SP UNINOVE, odontologia-ortodontia
3 11:25	ANTIMICROBIAL PHOTODYNAMIC THERAPY IMPROVES SHORT-TERM PERIODONTAL STATUS IN TYPE 1 DIABETES MELLITUS PATIENTS	Carla Andreotti Damante, P.O. Cunha, C.A. Negrato, S.L.A. Gregghi, M.S.R. Zangrando, A.C.P. Sant’Ana Brazil, Sao Paulo Bauru School of Dentistry - University of Sao Paulo, Periodontology
4 11 :30	EFFECT OF PHOTOBIMODULATION IN BONE QUALITY OF BOVINE GRAFT IN ALVEOLUS OF RATS POST DENTAL EXTRACTION	V. Dalapria, R.M. Labat , G. G. Anselmo, A.C.A Da Silva, L.S. De França, N.S.R Marinheiro, R.S Pinto, R.S. De Sales, A. M. Deana São Paulo Universidade Nove de Julho (UNINOVE), Postgraduate Program in Biophotonics Applied to Health Sciences ,São Paulo, Brazil
5 11 :35	LASERS KNOWLEDGE LEVEL ASSESSMENT AMONG DENTAL STUDENTS	Thaynara Costa, Claudia Junia Calixto Vargas, Thalia Jacobson Ribeiro, Cristina Zanettini Ribeiro, André Machado de Senna ITPAC Porto Nacional, ITPAC Palmas School Of Dentistry and Medicine, Tocantins, Brazil
6 11 :40	EVALUATION OF RED LASER LIGHT ATTENUATION IN GINGIVAL TISSUE IN PATIENTS WITH MELANIN PIGMENTATION AND PERIODONTAL DISEASE - CLINICAL STUDY	AL Rossi, RT Fruet, RA Prates São Paulo UNINOVE, Dentistry, São Paulo, Brazil
7 11:45	PHOTOBIMODULATION DECREASES PAIN AND IMPROVE CLINICAL ASPECTS IN PATIENTS WITH ORAL LICHEN PLANUS	Sobral SS ¹ , Ferri EP ¹ , Abboud CS ¹ , Gallo CB ² , Silva DFT ¹ , Rodrigues MFSD ¹ ¹ Biophotonics Applied to Health Science Program, Universidade Nove de Julho, rua Vergueiro, 235 São Paulo, SP ; ² Department of Stomatology, School of Dentistry, University of São Paulo, Brazil
8 11 :50	LIGHT EMITTING DIODE IN THE CONTROL OF OF DYSPHAGIA AFTER MANDIBULAR RETAINED THIRD MOLARS EXTRACTION - A RANDOMIZED, DOUBLE-BLIND CONTROLLED TRIAL	Carlos Alberto Tenis, Luan Nathiel Kovalski, Julia Turra Ribeiro, Renata de Almeida Zieger, Manoela Domingues Martins, João Júlio da Cunha Filho, Sandra Kalil Bussadori, Raquel Agnelli Mesquita Ferrari, Marco Antonio

		<p>Trevizani Martins, Kristianne Porta Santos Fernandes Nove de Julho University- UNINOVE, Biophotonics applied to Health Sciences Post-Graduate Program, São Paulo, Brazil and Federal University of Rio Grande do Sul, School of Dentistry, Porto Alegre, Brazil</p>
9 11:55	<p>EVALUATION OF SALIVARY AND SERUM LEVELS OF IL-6 AND IL-10 IN PATIENTS WITH ORAL LICHEN PLANUS TREATED WITH PHOTOBIO-MODULATION</p>	<p>Clery Abboud, Rodrigues MFDS Universidade Nove de Julho, Biofotônica, São Paulo, Brazil</p>
10 12:00	<p>ANTIMICROBIAL PHOTODYNAMIC CHEMOTHERAPY (PACT) IN SURFACTANT VEHICLE FOR INACTIVATION OF PERIODONTOGENIC MICROORGANISMS</p>	<p>Ana Carolina Tortamano, A.C.A.C Tortamano, N. Bim, B.F. de Brito, C. Pavani, R.A. Prates São Paulo Universidade 9 de Julho, São Paulo, Brazil</p>
11 12 :05	<p>EFFECT OF LED PHOTOSTIMULATION OF A MICROBIAL CONSORTIUM ON THE DEGRADATION OF TOXIC AND RECALCITRANT ORGANOPOLUTANTS</p>	<p>Paulo Almeida, PhD, Crugeira, P.J.L, Sampaio, F.J.P, Oliveira, S.C. P. S., Fagnani, S. R.C. A., Pinheiro, A. L. P. LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia - Brazil Center of Biophotonics, School of Dentistry Federal University of Bahia, Salvador – Bahia - Brazil.</p>
12 12:10	<p>EFFECTIVENESS OF USING POLARIZED LIGHT IN AmPDT ON Staphylococcus aureus USING TAYLOR’S BLUE AS PHOTSENSITIZER.</p>	<p>Darcy Almeida, Crugeira P. J. L., Nunes I. P. F., Soares L. G. P., Almeida P., Pinheiro A. L. B. Center of Biophotonics, School of Dentistry & LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia – Brazil</p>
13 12:15	<p>EVALUATION OF THE EFFECTS OF THE 808 NM DIODE LASER ON REMINERALIZATION OF INDUCED TOOTH DECAY INJURY IN BOVINE DENTIN</p>	<p>Alves CB, Oliveira MCR, Oliveira LHC, Oliveira PHC, Cassoni A, ¹Kato IT, ¹Benetti C, Prates RA São Paulo, SP Universidade Nove de Julho, ¹ABC Federal University, SãoPaulo,Brazil</p>
14 12 :20	<p>TREATMENT OF HALITOSIS WITH PHOTODYNAMIC THERAPY IN OLDER PATIENTS WITH COMPLETE DENTURE: A RANDOMIZED, CONTROLLED TRIAL</p>	<p>Katia Llanos do Vale, Anna Carolina Ratto Tempestini Horliana, Sergio dos Santos Romero, Alessandro de Melo Deana, Andreia La Selva, Raquel Agnelli Mesquita Ferrari, Sandra Kalil Bussadori, Kristianne Porta Santos Fernandes Biophotonics applied to Health Sciences Post-Graduate Program, Nove de Julho University-UNINOVE, São Paulo, Brazil</p>
15 12 :25	<p>EVALUATION OF IN-OFFICE BLEACHING WITH VIOLET LED (405nm): A CONTROLLED, RANDOMIZED, TRIPLE-BLIND CLINICAL TRIAL</p>	<p>Ana Eliza Castanho Garrini dos Santos¹ , Aldo Brugnera Junior², Fatima Antonia Aparecida Zanin³, Eloisa de Paula⁴, Marcelo Mendes Pinto⁵,Renata Matalon Negreiros¹, Sandra Kalil Bussadori¹, Anna Carolina Ratto Tempestini Horliana¹</p>

		<p>¹Biophotonics applied to Health Sciences Post-Graduate Program, Nove de Julho University-UNINOVE, São Paulo, Brazil , ²Invited professor and Associate Researcher of Nacional Institute of Science, IFSC-USP, São Carlos – Brazil,</p> <p>³Director of Biophotonic Center of Institute Brugnara Zanin, São Paulo, Brazil,</p> <p>⁴UNIMES – Universidade Metropolitana de Santos - Brazil,</p> <p>⁵ School of Dentistry - Nove de Julho Univ.-UNINOVE, São Paulo, Brazil</p>
16 12 :30	<p>ANTIMICROBIAL PHOTODYNAMIC THERAPY MEDIATED BY PAPAMBLUE® ON PERIODONTAL DISEASE: RANDOMIZED BLIND CONTROLLED TRIAL</p>	<p>Anselmo GG, Oliveira PHC, Oliveira MRC, Tortamano ACAC, Rossi AL, Fernandes KP S, Prates RA.</p> <p>São Paulo Universidade Nove de Julho, São Paulo, Brazil</p>
17 12:35	<p>EVALUATION OF HALITOSIS AFTER PHOTODYNAMIC THERAPY: A RANDOMIZED, CONTROLLED, SINGLE-BLINDED TRIAL WITH 3-MONTH FOLLOW UP</p>	<p>Sergio dos Santos Romero, Katia Llanos do Vale, Kristianne Porta Santos Fernandes, Sandra Kalil Bussadori, Lara Jansiski Motta, Renata Matalon Negreiros, Anna Carolina Ratto Tempestini Horliana</p> <p>SÃO PAULO University Nove de Julho/UNINOVE, Postgraduate Program of Biophotonics Applied to Health Sciences, São Paulo, Brazil,</p>
18 12 :40	<p>EVALUATION EFFECT PREVENTIVE OF REMINERALIZING MATERIALS IN DENTAL EROSION INJURY BY SPECKLE TECHNIQUE: AN IN VITRO ANALYSIS</p>	<p>Silvana Ortega, Silvia Regina Garcia Olivan, Sandra Kalil Bussadori</p> <p>São Bernardo Do Campo, Universidade Nove De Julho, Sao Paulo, Brazil</p>
19 12 :45	<p>THE OCT EVALUATION OF WHITE SPOT LESIONS AFTER APPLICATION OF DIODE LASER 808nm AND FLUORIDES</p>	<p>¹Marcia Oliveira, ¹Carapicuiaba, Oliveira MRC, Oliveira LHC, Oliveira PHC, Alves CB, Kato IT, Benetti C, ¹Prats RA</p> <p>¹SP Uninove, ²ABC Federal University</p>
20 12 :50	<p>PDT IN ORTHODONTICS PATIENTS</p>	<p>Soares, L.G.P., Crugeira, P.J.L., Santos, D. A., Nunes, I.P.F., Almeida, P.F., Habib, F.A.L, Pinheiro, A. L. P.</p> <p>Center of Biophotonics, School of Dentistry & LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia - Brazil.</p>

13:15 - ROOM A - IALMS GENERAL ASSEMBLY AND LIGHT- LUNCH

BASIC SCIENCE AND ENT Room A – November 8th, 2019 Chairpersons: G. Bastianelli, H. Jelinkova, M. Okada		
11:15	NEW MID-INFRARED LASER AND THEIR POSSIBLE MEDICAL APPLICATION	Helena Jelínková, Czech Technical University in Prague, FNSPE, Prague 1, Czech Republic
11:30	ASSESSMENT OF VIBRATIONAL MODES OF THE HUMAN TIBIA BY LASER VIBROMETRY	L. Scalise, L. Verdenelli, P. Chiariotti e M. Martarelli. Dipartimento di Ingegneria Industriale e Scienze Matematiche (DIISM), Università Politecnica delle Marche, Ancona, Italy
11:45	BEYOND LASER, THE LIGHT THAT HEALS	Farouk A.H.Al-Watban, PhD Consultant Laser Medicine, & Laser Technology, President WALA, Riyadh, Kingdom of Saudi Arabia
12:00	SNORING AND SLEEP–RELATED SYMPTOMS: A NOVEL NON-INVASIVE OUTPATIENT 808 NM DIODE LASER TREATMENT. A PROSPECTIVE STUDY ON 45 PATIENTS	Isabelle Fini Storchi, MD University of Genova, Otorhinolaryngology, Florence Italy
12:15	LASER INDUCED AUTOFLUORESCENCE FOR DETECTION OF VOCAL CORD CANCER	Tatiana Tozar¹, Ionut Relu Andrei¹, Romeo Costin², Ruxandra Pirvulescu³, Mihail Lucian Pascu^{1,4,*} ¹ Laser Department, National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania ² Central Military University Emergency Hospital, ENT Clinic, Bucharest, Romania ³ Ophthalmology Clinic, Carol Davila University of Medicine and Pharmacy, Emergency University Hospital, Bucharest, ⁴ Faculty of Physics, University of Bucharest, Magurele
12:30	LOW LASER THERAPY IN CHRONIC RHINITIS	G. Bastianelli, M.D., L. Longo, M.D., C. Consagra, M.D. Institute of Laser Medicine, International Academy Laser Medicine and Surgery, Florence, Italy
12:45	EXPERIMENTAL AND CLINICAL STUDIES ON TRANSMYOCARDIAL LASER REVASCULARIZATION (TMLR)	M. Okada¹ H. Horii² K. Shimizu³ ¹ International Institute for Advanced General Medicine ² Horii Clinic ³ Shimizu Clinic
13:00	AGE AND GENDER PECULIARITIES IN THE INTERVERTEBRAL DISCS DIAGNOSTICS OF DEGENERACY AND MODIC CHANGES BY LASER EXCITED FLUORESCENCE SPECTRA.	Juozas Vaitkus, A. Vaitkuvienė¹, I. Ciplys¹, V. Gegzna^{1,2}, D. Varanius^{1,2}, V. Hendrixson³, G. Terbetas³, J. Usinskiene⁴, L. Neverauskiene³, V. Steponenas⁵ ¹ Institute of Photonics and Nanotechnology, Faculty of Physics, ² Institute of Biosciences, Life Sciences Center, ³ Faculty of Medicine, Vilnius University; ⁴ National Cancer Institute, ⁵ Dept. of Biomechanics, Vilnius Gediminas Technical University, Vilnius, Lithuania

13:15 - ROOM A - IALMS GENERAL ASSEMBLY AND LIGHT- LUNCH

TALK POSTER SESSION - MISCELLANEA Room B – November 8th, 2019 Chairmen Farouk A.H.AI-Watban , K. Khatri, L. Scalise		
21 15:00	SYSTEMIC PHOTOBIO-MODULATION BLUNTED THE INFLAMMATORY PARAMETERS IN ACUTE LUNG INJURY INDUCED BY SEPSIS	João Gabriel Fernandes Da Silva, S.S. Dos-Santos; A. Lino-Dos-Santos-Franco. São Paulo UNINOVE, BIOPHOTONIC, São Paulo, Brazil
22 15:05	THE VEHCYLE OF ADMINISTRATION AFFECTS METHYLENE BLUE ANTIMICROBIAL PHOTODYNAMIC ACTION IN STAPHYLOCOCCUS AUREUS IN VITRO	K L Tanikawa-Vergilio; C Pavani UNINOVE, São Paulo, Brazil
23 15:10	THE ROLE OF PHOTOBIO-MODULATION ASSOCIATED TO MICRONEEDLING IN FEMALE PATTERN HAIR LOSS. PRELIMINARY RESULTS OF A RANDOMIZED, DOUBLE BLIND TRIAL	Suzana Polonca da Silveira, S.R.U.Moita; S.V.Silva; M..F.S.Drodrigues; D.F.T. Silva; C. Pavani Post Graduate Program in Biophotonics Applied to Health Sciences, Nine of July University (UNINOVE), São Paulo, Brazil.
24 15:15	MANAGEMENT OF MASTALGIA BY LOW LEVEL LASER THERAPY	Kimito Yamada, MD Tatemachi, Hachioji-shi,,Tokyo Medical University Hachioji Medical Center, Breast Surgery ,Tokyo, Japan
25 15:20	HIGH ENERGY DENSITY LED-BASED PHOTOBIO-MODULATION INHIBITS SQUAMOUS CELL CARCINOMA PROGRESSION IN CO-CULTURES IN VITRO	Aguinaldo Garcez, Marcos Takemoto, Marcelo Sperandio São Paulo, SP São Leopoldo Mandic Dental Research Center, Dentistry, Brazil
26 15:25	USE OF PHOTOBIO-MODULATION AS A CO-ASSISTANT IN THE CONTROL OF BLOOD PRESSURE - CASE REPORT	Adriana Paula Isabella, Jéssica Tayane Costa Silva, Daniela de Fátima Teixeira Silva SP UNINOVE, BIOFOTONICA, São Paulo, Brazil
27 15:30	IN VITRO PHOTOBIO-MODULATION IN BACTERIAL INACTIVATION AND ANTIBIOTIC SENSITIVITY PROFILE	F. F. O. Assunção¹, E. Nascimento², L. Chaves³, A. M. H. Silva⁴, R. Martinez², R. R. J. Guirro¹ ¹ Dept of Health Sciences, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto – SP, Brazil, ² Dept of Internal Medicine – University of São Paulo, Ribeirão Preto – SP, Brazil ³ Dept of Public Health, University of São Paulo, Ribeirão Preto – SP, Brazil ⁴ Center for Engineering Applied to Heath, School of Engineering of São Carlos, Univ. of São Paulo, Brazil.
28 15:35	EFFECT OF PHOTOBIO-MODULATION ON POPLITEAL VEIN AREA AND CHANGES IN NITRIC OXIDE PATHWAY IN PATIENTS WITH SUBACUTE DEEP VENOUS THROMBOSIS	Allan Atum, Brigidio EB, Marques D, Ruiz E, Feliciano RS, Dalboni MA, Chavantes MC, Silva Júnior JA São Paulo Universidade Nove de Julho, Biology, São Paulo, Brazil

<p>29 15:40</p>	<p>EFFECT OF PHOTODYNAMIC THERAPY AND PLATELET-DERIVED GROWTH FACTOR ON IMMUNOREACTIVITY IN PATIENTS WITH LOWER LIMB WOUNDS</p>	<p>Elena Klimova¹, Ekateryna Bychenko¹, Anatoliy Korobov², Elena Lavinskaya¹, Yuliya Ivanova¹, VitaliyPrasol¹, GeliyPonomariev³ ¹State Institution «VT Zaytsev Institute of General and Emergency Surgery of NAMSU», Kharkiv, Ukraine ²VN Karazin Kharkiv National University, Kharkiv, Ukraine ³VN Orekhovich Institute of Biomedical Chemistry of RAMS, Moscow, Russia</p>
<p>30 15:45</p>	<p>COMBINATION THERAPY OF WOUNDS IN PATIENTS WITH ISCHEMIC DIABETIC FOOT</p>	<p>Yuliya Ivanova¹, Yelena Klimova¹, Vitaliy Prasol¹, Anatoliy Korobov², Kirill Miasoyedov³ ¹State Institution «VT Zaytsev Institute of General and Emergency Surgery of NAMSU», Kharkiv Ukraine ²VN Karazin Kharkiv National University, Kharkiv Ukraine ³Kharkiv National Medical University, Kharkiv, Ukraine</p>
<p>31 15:50</p>	<p>EFFECTS OF LOW-LEVEL LASER IRRADIATION ON VEGF EXPRESSION OF MELANOMA CELL LINES</p>	<p>Carolina Gouvêa de Souza Contatori, C.R. Silva; T.M. Yoshimura; M.S.Ribeiro São Paulo IPEN, São Paulo, Brazil</p>
<p>32 15:55</p>	<p>EFFECTS OF PHOTOBIMODULATION ON BREAST TUMOR- BEARING MICE BEFORE RADIOTHERAPY</p>	<p>C.R. Silva, M.S. Ribeiro Center for Lasers and Applications, Energy and Nuclear Research Institute, IPEN, São Paulo, SP, Brazil</p>
<p>33 16:00</p>	<p>PHOTOBIMODULATION IN CUTANEOUS INJURY CAUSED BY USE OF CIRCULAR EXTERNAL FIXATOR: CASE SERIES</p>	<p>Virginia Rodrigues¹, Ayres Fernando Rodrigues², Rita de Cássia Ferreira^{1, 3}, Aryelle Togni¹, Karine Dayane Rodrigues¹, Daniela Fátima Teixeira Silva¹ ¹Postgraduate Program in Biophotonics Applied to Health Sciences, Nove de Julho University/UNINOVE, São Paulo, ²Consultório Médico Reconstrução e Alongamento Ósseo, Tratamento de Feridas Complexas, Ipiranga, São Paulo, SP, Brazil. ³Conjunto Hospitalar do Mandaqui, 4301 Voluntários da Pátria Street, Santana, São Paulo, SP, Brazil.</p>
<p>34 16:05</p>	<p>EVALUATION OF LIGHT ABSORPTION OF CELL LINES CULTIVATED UNDER NUTRICIONAL STRESS</p>	<p>Juliana Estephan Nobile, Eloy GYG. Silva DFT. Rodrigues MFSD Sao Paulo UNINOVE, Sao Paulo, Brazil</p>

35 16:10	REPURPOSING LASER IRRADIATED THIORIDAZINE AS ANTIMICROBIAL AGENT AGAINST MULTIPLE DRUG RESISTANCE ACQUIRED BY BACTERIA	T. Tozar, A.M. Udrea, M. Boni, I.R. Andrei, A. Staicu, <u>M. L. Pascu*</u> ¹ National Institute for Laser, Plasma and Radiation Physics, Magurele, Ilfov, Romania
36 16:15	MICRO/NANO-SIZE EMULSION OF SODIUM TETRADECYL SULFATE AND VITAMIN A GENERATED BY LASER-ASSISTED METHOD	Andra Dinache ¹ , Ionut Relu Andrei ¹ , Tatiana Tozar ¹ , Adriana Smarandache ¹ , Iuliana Iordache ¹ , Mihai Boni ¹ , Angela Staicu ¹ , Mihail Lucian Pascu ^{1,2,*} ¹ Laser Dept, National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania ² Faculty of Physics, University of Bucharest, Magurele
16:30 COFFEE BREAK		

EUROPEAN LED ACADEMY SESSION WHAT' S NEW UNDER PHOTOBIMODULATION RAYS ? Room B – November 8th, 2019 Chairpersons: Linda Fouque , E. Merigo, Michèle Pelletier		
16:45	BLUE LED PHOTOBIMODULATION MAY INDUCE CONTROVERSIAL EFFECT: DEPENDING OF THE DOSE AND WAVELENGTH	Magali Bonnans. Research Engineer Ashland laboratory, Sophia Antipolis ,Nice, France
17:00	THE SKIN ACTS AS A PHOTSENSITORY SYSTEM :HOW BLUE LED INTERACTS WITH OPINS RECEPTORS ?	Audrey Lemestr, Research Engineer Ashland laboratory ,Sophia Antipolis ,Nice , France
17:15	PHOTONIC SIGNALLING AND CLINICAL PHOTOMODULATION IN ACNE VICIOUS CIRCLE	Linda Fouque, MD Dermatologist, Nice , France
	THE PHOTOBIOFLEXIBLE FIELD	Michèle Pelletier, MD Dermatologist , Toulon, France
17:30	LASER and LED PBM FOR ORALE MEDICINE: A CURRENT STATE OF THE ART	Elisabetta Merigo, Jean-Paul Rocca, Carlo Fornaini, Micoralis laboratory, UFR Odontologie, UNiversité Côte d'Azur (France)
17:45	USE OF LED IN DENTISTRY: A NARRATIVE REVIEW OF LITERATURE.	Carlo Fornaini^{1,2}, Michèle Pelletier³ and Elisabetta Merigo ¹ ¹ Micoralis Laboratory, University of Nice (France) ² Group of Applied ElectroMagnetics, University of Parma (Italy) ³ Centre Coudon, Toulon (France)

LASER UROLOGY AND GYNAECOLOGY Room A – November 8th, 2019 Chairpersons: A. Hofstetter, G. H. Leibaschoff, A. Vaitkuviene		
14:00	LASERS IN UROLOGY - WHAT HAS SURVIVED OF OUR RESEARCH STARTING IN 1970	A.Hofstetter, MD, PHD – Professor Emeritus, Munchen University, Germany
14:20	VISIBLE LIGHT AND METAL OXIDES NANO PARTICLES FOR BACTERIAL ERADICATION	R. Lubart, PhD Physics and Chemistry Departments Bar-Ilan University, Ramat-Gan 52900 - Israel
14:35	HORIZONTAL CAVITATION IN FUNCTIONAL IMPOTENCE: PRELIMINARY RESULTS	L. Longo, MD, *D. Longo, PT,MSc, PhD St., G. Cherubini,PT, MSc, V. Mangé,PT,Msc Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy *University of Florence- Florence, Italy
14:45	VULVO VAGINA REGENERATION IN 2019	Gustavo H. Leibaschoff, MD, PhD Co-Director of the University Course of Specialist in Aesthetic and Functional Gynecology and Female Aesthetic Genital Surgery University of Barcelona Spain
15:00	CO₂ LASER FOR FEMININE REJUVENATION	K. Khatri, MD Skin & Laser Surgery Center of New England Cambridge Boston, MA, USA
15:15	LASER THERAPY IN POSTPARTUM VAGINAL ATROPHY	Daniela Brinza, MD Arad County Hospital Arad, Obstetric Gynecologist Hospital of Obstetrics and Gynecology, Arad, Romania
15:30	A SINGLE APPLICATION OF LOW-LEVEL LIGHT THERAPY IN BREAST CANCER-BEARING MICE: IMPACT ON BLOOD CELL COUNT	S. T. Pereira, C. R. Silva, M. S. Ribeiro Centre for Lasers and Applications, Energy and Nuclear Research Institute, São Paulo, SP, Brazil
15:45	FLUORESCENCE SPECTROSCOPY AS DIAGNOSTIC TOOL FOR PRECISION MEDICINE	Aurelija Vaitkuviene, V. Gėgžna^{1,2}, R. Kurtinaitienė³, J. V. Vaitkus¹ ¹ Institute of Photonics and Nanotechnology, Vilnius University, Lithuania ² Institute of Biosciences, Life Sciences Center, Vilnius University, Sauletekio al. 7, LT-10257 ³ Vilnius University Hospital Santaros clinics, Santariskiu 2, LT-08661 Vilnius, Lithuania
16:00	THERMOFLEBOLOGY: USE IN DIAGNOSIS AND LASER TREATMENT OF VARICOSE VEINS	J. Aguilera, MD President, Paraguayan Society of Laser Medicine and Surgery, Asuncion, Paraguay
16:15	LASERLIPOLYSIS ULTRASOUND GUIDED, PRESURGICAL - INTRAOPERATORY AND POSTOPERATIVE FOLLOW UP AVALIATION WITH INFRARED THERMAL SCAN. AN ANALISIS OF CASES.	J. Aguilera, MD President, Paraguayan Society of Laser Medicine and Surgery, Asuncion, Paraguay
16:30	COFFEE-BREAK	

LASER/LIGHT IN AESTHETIC MEDICINE AND SURGERY - 1

Room A – November 8th, 2019

Chairpersons: A. Arimuko, Pichansak Bunmas, T. Lotti

16:45	LASER TREATMENT FOR FACIAL INFLAMMATORY ACNE VULGARIS	Irma Bernadette S.Sitohang Cosmetic Dermatology Division Department of Dermatovenereology, Faculty of Medicine, Universitas Indonesia Jakarta- Indonesia
17:00	NEW ACQUISITIONS IN THE TREATMENT OF ONYCHOMYCOSIS WITH PHOTODYNAMIC THERAPY	¹C. Pedrinazzi, ²L. Longo, ³S. Andreoli, ⁴J. Houang, ⁴A. Lauto ¹ Seregno, Dermatology, Univ. of Pavia, Italy ² IALMS Florence, Italy ³ ASST Vimercate, Italy ⁴ University of Western Sidney, Australia
17:15	USE OF PICO LASER IN DERMATOLOGY	K. Khatri, MD Skin & Laser Surgery Center of New England Cambridge Boston, MA, USA
17:30	PREVENTION OF POST-INFLAMMATORY HYPERPIGMENTATION	¹M. Ceccarelli, MD, ²L. Rocchi, MD ¹ Director of the International Center for Study and Research in Aesthetic and Physiological Medicine. Barcelona University ² Head of Research & Development in AEGLEXA S.r.l, Rome, Italy
17:45	LASER FOR THE TREATMENT OF MELASMA, IN ASIAN SKIN	Abraham Arimuko, MD DKI Jakarta Central Army Hospital - Gatot Soebroto, Jakarta, Indonesia
18:00	COMBINED LASER TREATMENT FOR VITILIGO: WHAT'S NEW AND WHAT'S TRUE IN 2019	Torello Lotti MD, MD (Hon) Professor & Chair of Dermatology University of Rome " G.Marconi" Rome , Italy
18:15	Er-YAG LASER AND IPL IN SKIN REJUVENATION. INDICATIONS AND TIPS	Hasan Subasi, MD Private Office, General Surgery With Masters In Aesthetic Surgery And Aesthetic Medecine Istanbul, TURKEY
18:30	THE EFFECTIVE AND CLINICAL APPLICATION OF PHOTOBIMODULATION ON SVF. & ADIPOCYTE DIFFERENTIATION AND PROLIFERATION	Pichansak Bunmas, MD. Plastic and Reconstructive Surgery, Department of Surgery, Faculty of Medicine, Burapha University VPast Institute of Aesthetic and Plastic Surgery Center.Chon Buri, Thailand
18:45	INTEGRATIVE MANAGEMENT WITH LASER LIPOLYSIS FOR FACIAL CONTURING AND REJUVENATION	Pichansak Bunmas, MD. Plastic and Reconstructive Surgery, Department of Surgery, Faculty of Medicine, Burapha University VPast Institute of Aesthetic and Plastic Surgery Center.Chon Buri, Thailand

19:00	NEW TECHNOLOGY USING Er:YAG LASER IN MULTI-LEVEL REJUVENATION OF THE PERIORBITAL AREA	E. Pozdeeva, MD Sverdlovskay Obl Linline, Dermatology Cosmetology Ekaterinburg, Russia
19:15	EBD AND NEOCOLLAGENOSIS : TRUTH OR UNTRUTH ?	Gustavo H. Leibaschoff, MD, PhD Co Director of the University Course of Specialist in Aesthetic and Functional Gynecology and Female Aesthetic Genital Surgery University of Barcelona Spain
19:30	OPEN CEREMONY WITH WELCOME COCKTAIL	

PLENARY SESSION 2 - LEADING LECTURE

LASER PBM HISTORY AND STATE OF THE ART

Room A – November 9th, 2019

Chairpersons: G.D. Baxter, A. Mester, M.L. Pascu, J. Vaitkus

8:00	BIOSTIMULATION EVIDENCES OF LOW REACTIVE LEVEL LASER THERAPY	A.Mester, MD, PhD National Laser Therapy Centre Peterfy Sandor Teaching Hospital, Budapest
8:20	PHOTOBIO-MODULATION FOR PAIN RELIEF: CURRENT EVIDENCE	Baxter G.D., Liu L., Tumilty S., Galiano-Castillo, N., McDonough, S.M., Longo L., Lanzafame R., Anders J. Centre for Health, Activity & Rehabilitation Research, University of Otago, New Zealand; Department of Physical Therapy, Health Sciences Faculty, University of Granada, Spain; Royal College of Surgeons of Ireland, Dublin, Ireland; University of Siena, Italy; University of Buffalo, NY, USA; Uniformed University of the Health Sciences, Bethesda, USA.
8:40	EFFECTS OF LASER RADIATION ON MOLECULAR STRUCTURES OF MEDICAL INTEREST IN NORMAL AND OUT OF NORMAL GRAVITY CONDITIONS	Agota Simon^{1,2}, Tatiana Tozar¹, Adriana Smarandache¹, Andra Dinache¹, Ana Maria Udrea¹, Iuliana Urzica¹, Ruxandra Pirvulescu³, M.L. Pascu^{1,2,*} ¹ National Institute for Laser, Plasma and Radiation Physics, Magurele ² Faculty of Physics, University of Bucharest, Magurele ³ Ophthalmology Clinic, Carol Davila University of Medicine and Pharmacy, Emergency University Hospital, Bucharest, Rumania

LASER/LIGHT IN SURGERY AND AESTHETIC MEDICINE - 2

Room A – November 9th, 2019

Chairpersons: E. Bartoletti, Cheng-Jen Chang, S. Krishna

9:00	LASERS IN BRONCOLOGY	S. Krishna, MD Billroth Hospital, Chennai ,India
9:15	THERMIC 1318 nm LASER ABLATION OF THE PLEURA: A NEW MINIMALLY INVASIVE TECHNIQUE FOR THE TREATMENT OF PRIMARY SPONTANEOUS PNEUMOTHORAX (PSP)	A. Kern, MD, A.Friedrich, A.Rolle, S. Drewes Dresden, Saxony Department of Thoracic and Laser Surgery, Lung Hospital Coswig, University Clinic Dresden, Thoracic Surgery, Germany
9:30	LONG TERM FOLLOW-UP OF INTRALESIONAL LASER PHOTOCOAGULATION (ILP) FOR HEAD AND NECK LYMPHATIC MALFORMATIONS USING ND:YAG LASER	Cheng-Jen Chang, MD, PhD, FACS Dept of Plastic Surgery, Medical University Hospital, Taipei,Taiwan
9:45	A META-ANALYSIS OF LASER ASSISTED INDOCYANINE GREEN ANGIOGRAPHY IN BREAST RECONSTRUCTION	Edgard da Silva Neto, Renato Araújo Prates, Marcella Goetz Moro, Alessandra Marques Muoio, Ana Paula Ligeiro de Oliveira Universidade Nove de Julho, São Paulo, Brazil
10:00	TREATMENT OF RHYNOPHYMA WITH ABLATIVE ER:YAG LASER - A CASE REPORT	Natasa Teovska Mitrevska, MD Skopje Remedika General Hospital Dermatology Dept, Skopje, Macedonia
10:15	TREATMENT OF PERIORBITAL HYPERPIGMENTATION WITH ERBIUM:YAG LASER	Natasa Teovska Mitrevska, Skopje, Remedika General Hospital Dermatology Department, Dermatology Skopje Macedonia
10:30	SIMULTANEOUS USE OF FILLERS AND ABLATIVE LASERS	K. Khatri, MD Skin & Laser Surgery Center of New England Cambridge Boston, MA, USA
10:45	ANALYSIS OF COMPLICATIONS OF LASER DERMATOLOGIC SURGERY	Natalia Kalashnikova, MD Linline Institute, Moscow , Russia
11:00	COFFEE BREAK	

LASER BIOMODULATION		
from SCIENTIFIC RESEARCH to CLINICAL PRACTICE		
Room A – November 9th, 2019		
Chairpersons: J. Anders, R. Labat-Marcos, K. Samoilova		
11:15	ANTI-THROMBOTIC EFFECT OF POLYCHROMATIC VISIBLE AND INFRARED POLARIZED LIGHT (480-3400 nm) I ANTI-THROMBOGENIC CHANGES IN HUMAN BLOOD	Kira Samoilova¹, PhD, L.P.Papayn², A.S.Shitikova², A.V.Shcherbanyuk³, L.V.Gasparyan⁴ ¹ Institute of Cytology, Russian Academy of Science, St.Petersburg, Russia ² Russian Research Institute of Hematology and Transfusiology, St.Petersburg ³ The Nikiforov Russian Center of Emergency and Radiation Medicine, St.Petersburg, Russia, ⁴ Aber Institute, Helsinki, Finland
11:30	EFFECTIVENESS OF PHOTOBIMODULATION ON THE INCREASE OF TREG CELLS AND IL-10 CYTOKINE IN AN EXPERIMENTAL MODEL OF CHRONIC ASTHMA	Auriléia Aparecida Brito, Vargem Grande Paulista, Brito Aa, Kamei S, Santos Tg, Herculano Kz, Rigonato-Oliveira Nc, Lino-Dos Santos Franco A, Ligeiro-Oliveira Ap Biophotonics applied to health sciences, University Nove de Julho, São Paulo-SP, Brazil
11:45	PHOTOBIMODULATION ACTIVATES GLUCOSE UPTAKE IN BROWN ADIPOSE TISSUE OF OBESE MICE	Tania Yoshimura, Martha S. Ribeiro SP Nuclear and Energy Research Institute, Application of low level light sources, Sao Paulo, Brazil
12:00	EVALUATION OF PHOTOBIMODULATION IN SALIVAR PRODUCTION OF PATIENTS WITH ANTI-HYPERTENSIVE DRUG-INDUCED XEROSTOMIA	Maria Lucia Zarvos Varellis, Marcela Leal L. Gonçalves; Cicero Dayves da Silva;Valdomiro Francisco Barbosa Filho; Matheus França Lourenço; Sandra Kalil Bussadori; Alessandro M. Deana SP UNINOVE, Disability and Oral Health, São Paulo, Brazil
12:15	BURN MANAGEMENT WITH DIFFERENT LASERS IN PETS	Katalin Kovács, DVM, PhD LaserVet, Small Animal Laser Clinic, Budapest, Istvánmezei út 6. Hungary
12:30	EFFECTS OF LASER ON REPARATION OF DAMAGES IN GAMMA-IRRADIATED MICE	Yulia Efremova, Zuzana Sinkorova, Jaroslav Prucha, Anna Lierova, Marcela Jelicova, Leos Navratil Czech Technical University in Prague. Faculty of Biomedical Engineering, Dept .of Health Care Disciplines and Population Protection, Kladno Czech Technical University in Prague, Faculty of Biomedical Eng., Dept of Information and Communication , Kladno Czech University of Defence, Faculty of Military Health Sciences, Department of Radiobiology, Hradec Králové, Czech Republic
12:45	LIGHT PARAMETERS AND PHOTOBIMODULATION: DIVE INTO COMPLEXITY	Randa Zein, DDS, MSC Cardiff University, Beirut, Lebanon
13:00	LASER PHOTOMODULATION AND PELVIC REHABILITATION IN PATIENTS WITH SPINAL CORD INJURIES	V. Mangé², PT,MSc,,D. Longo¹⁻², PT,MSc, PhDSt., G. Cherubini², PT,Msc, P. Lippi³, PT,MSc, D. Melchiorre¹, MD,PhD, M. Bagni¹, PhD. L. Longo², MD

		¹ Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; ² Institute of Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; ³ Az.USL Toscana Centro, Pistoia, Italy
13:15	A TEAM APPROACH TO LASER SAFETY: EDUCATION AND TRAINING, SUSTAINABILITY, AND COMMON SENSE !	P. Smalley, RN, CMLSO TCI Chicago, USA
13:30	LIGHT LUNCH	

LASER THERAPY IN CENTRAL NERVOUS SYSTEM INJURIES

Room A November 9th, 2019

Chairpersons: L. Longo, R. A. Lopes-Martins, P.F. Parra

14:45	RELATIVE EFFECTIVENESS OF PHOTOBIMODULATION THERAPY (PBMT) FOR NEUROPATHIC PAIN USING SINGLE OR DUAL NEAR-INFRARED WAVELENGTH LASERS	Juanita Anders¹, A. Gregor¹, G. Uscamayta¹, B. Pryor² ¹ Uniformed Services University, Bethesda, MD, USA, ² LiteCure LLC, New Castle DE, USA
15:00	RETROSPECTIVE ANALYSIS OF TWO DIFFERENT DOSES OF PHOTOBIMODULATION COMBINED WITH REHABILITATION THERAPY AS A THERAPEUTIC PROTOCOL FOR CANINE DEGENERATIVE MYELOPATHY	Lisa A. Miller¹, Debbie (Gross) Torraca², Luis De Taboada^{3*} ^{1,3} Companion Animal Health, LiteCure LLC, Newark, DE, USA ² Wizard of Paws Physical Rehabilitation for Animals, Colchester, CT, USA
15:15	PHOTOBIMODULATION- A TOOL IN SOLVING THE OPIOID CRISIS	Gerry Ross, MD Tottenham, Ontario Private practice
15:30	EVALUATION OF IL-10 EXPRESSION AFTER PHOTOBIMODULATION TREATMENT	Tamiris Silva, Yara Dadalti Fragoso, , Andréa Oliver Gomes, Fernanda Cordeiro da Silva, Maria Fernanda Setúbal Destro Rodrigues, Lucas Andreo, Daniela de Fátima Teixeira da Silva, Maria Cristina Chavantes, Anna Carolina Ratto Tempestini Horliana, Alessandro Melo Deana, Kristianne Porta Santos Fernandes, Lara Jansiski Motta, Raquel Agnelli Mesquita-Ferrari, Sandra Kalil Bussadori São Paulo UNINOVE, São Paulo, Brazil
15:45	MODIFIED INTRAVASCULAR LASER IRRADIATION OF BLOOD (ILIB) EFFECTIVENESS ON PAIN AND QUALITY OF LIFE IN PATIENTS WITH DIABETIC NEUROPATHY	¹Emilia Angela Lo Schiavo Arisawa, ¹Milena Valdinéia da Silva Leal, ¹Mário de Oliveira Lima, ¹Renata Amadei Nicolau, ¹Teresa Marly Teles de Carvalho, ²Jesus Antonio de Carvalho Abreu, ²Diego Rodrigues Pessoa ¹ Universidade do Vale do Paraíba-Univap, Sao Paulo ² Universidade Estadual do Piauí, Sao Jose dos Campos, Brazil
16:00	PRECLINICAL STUDY OF THE EFFECTIVENESS OF PHOTOBIMODULATION IN SPINAL CORD INJURY INDUCED BY HEMISECTION	Emilia Angela Arisawa, Débora Chaves, Luciana Sant' Anna, Paulo Barja, Rodrigo Alvaro Lopes-Martins. Universidade do Vale do Paraíba-Univap, Sao Jose dos Campos, Sao Paulo
16:15	EFFECTS OF LASER THERAPY ON PATIENTS AFFECTED BY SPINAL CORD INJURY: A SENSITIVITY INVESTIGATION	<u>G. Cherubini</u>,PT, Msc, *D. Longo, PT,MSc, PhD St. V. Mangé, PT,Msc, *P. Lippi, PT, MSc, L Longo, MD Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy *University of Florence- Florence, Italy
16:30	COFFEE BREAK	

LASER REHABILITATION

Room A – November 9th, 2019

Chairpersons: M. Bagni, L. Gavish, L. Navratil

16:45	PHOTOBIMODULATION IN ADDITION TO PHYSIOTHERAPY FOR OVERUSE ANTERIOR KNEE PAIN IN COMBAT SOLDIERS: A DOUBLE-BLIND, RANDOMIZED, SHAM-CONTROLLED TRIAL	Lilach Gavish¹, E.Spizer², I.Friedman³, J.Lowe⁴, N.Folk¹, N.Mahervax¹,Y.Zarbiv⁵,Y.Gelman⁵,Y.Fatale⁶,M.Herman⁶,R. Gofshtein⁵,A.Gam⁵,A.Aisenkraft¹,Y.Barzilay³ ¹ Institute for Research in Military Medicine (IRMM), Faculty of Medicine, The Hebrew University of Jerusalem; ² Maccabi Healthcare Services; ³ Shaare Zedek Medical Center, Jerusalem; ⁴ Hadassah Medical Organization, Mount Scopus, Jerusalem; ⁵ Israel Defense Forces; ⁶ Israel Police Forces
17:00	THE EVOLUTION OF HIGH POWER LASER IN THE TREATMENT OF SPORT INJURIES	P. F. Parra, MD, PhD, E. Parra ,MD, G. Algeri, Eng Visiting Professor University of Pisa, General and Emergency Surgery , Montecatini Terme, Pistoia Touch Life Rehab
17:15	INFRA-RED THERMOGRAPHY, PHOTOBIMODULATION AND ACHILLES TENDINITIS	Patrícia Sardinha Leonardo Lopes Martins, Ana Paula Pinto, Mário Oliveira Lima, Emília Angela LoSchiavo Arisawa, Fernanda Púpio Silva Lima Universidade do Vale do Paraíba, UNIVAP , São José dos Campos, São Paulo, Brazil
17:30	EFFECTS OF PHOTOBIMODULATION ON MUSCULAR SATELLITE CELLS (C2C12): DIFFERENTIATION AND CELL MIGRATION	Renan Lovisetto, PT São Paulo UNINOVE, physiotherapist, São Paulo, Brazil
17:45	THE USE OF HPLT IN THE METHODOICAL APPROACH TO THE TREATMENT OF VERTEBROGENIC DISORDERS IN PATIENTS IN OUTPATIENT REHABILITATION CARE	Příhoda A., <u>Navrátil, V.</u>, Dylevský I., Blašková E., Navrátil L. Czech Technical University in Prague, Faculty of Biomedical Engineering, Dept of Health Care and Population Protection, Sportovců 2311, 272 01 Kladno CLINIC THERAP-TILIA, Clinical Dept of the Biomedical Eng. Fac. CTU in Prague
18:00	EFFECTS OF LASER THERAPY AND GRIMALDI'S MUSCLE SHORTENING MANEUVER ON MUSCLES AND MOVEMENT ON MUSCLE TONE DISORDERS	<u>D. Longo</u>¹⁻², PT, MSc, PhD St., L. Longo², MD, G. Cherubini², PT, Msc, V. Mangé², PT, MSc, P. Lippi³, PT, MSc, D. Melchiorre¹, MD, PhD, M. Bagni¹, PhD. ¹ Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; ² Institute of Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; ³ Az.USL Toscana Centro, Pistoia, Italy
18:15	LASER THERAPY OF TRAUMATIC SPINAL CORD INJURIES: WHY AND HOW?	L. Longo², MD, PhD St., G. Cherubini², PT, Msc, V. Mangé², PT, MSc, <u>D. Longo</u>¹⁻², PT, MSc, ¹ Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; ² Institute of Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; ³ Az.USL Toscana Centro, Pistoia, Italy

18:30 SESSION FOR PATIENTS: QUESTION AND ANSWER, CONCLUSION

PHOTOBIMODULATION - TALK POSTER SESSION

ROOM B – NOVEMBER 9TH, 2019

14:00 Chairperson: J. Aguilera, I. Bernadette, L. Gavish

37	EFFECTS OF PHOTOBIMODULATION IN THE INFLAMMATION IN FIBROSIS EXPERIMENTAL MODEL	Adriana Schapochnik, Rodrigues-Da-Silva, M.; Peres Leal, M.; Esteves, J.; Lino-Dos-Santos-Franco, A. SÃO PAULO, 35 Universidade Nove de Julho - SP/SP-Brasil
14:00		
38	EFFECTS OF PHOTOBIMODULATION BY LASER ON OSTEOARTHRITIS TREATMENT	Carla Tim, Eduardo Trevisan, Juliana Tarocco, Naldiana Cerqueria Silva, Francisco Eugênio Deusdará de Alexandria, Cintia Martignago, Livia Assis Universidade rasil, São Paulo – Brasil, Universidade Federal de São Carlos,Brasil
14:05		
39	NEED OF DRUG THERAPY RESCUE IN POST-OPERATIVE OF ORTHOPEDIC SURGERY WITH LLLT	Correa P.V.¹, Zabeu A.M.C.², Da Silva N.S.² ¹ Postgraduate Student in Veterinary Anesthesiology - PAV, Sao Paulo, SP, Brazil. ² Institute of Research and Development - IP&D, University of Vale do Paraíba, Laboratory of Cell Biology and Tissue, São José dos Campos, SP, Brazil.
14:10		
40	PHOTOBIMODULATION THERAPY MAY IMPROVE THE RESOLUTION OF INFLAMMATORY PROCESS IN EXPERIMENTAL TENDINITE MODEL	Rodrigo Labat Marcos, Mateus Moura Evaristo; Patricia de Almeida Mattos; Marilia Lucas Siena Del Bel; Yose Marie Elisabeth e Silva; Cristina Nunes Capeloa; Romildo Torres da Silva; Adriana Lino dos Santos Franco; Paulo de Tarso Camilo de Carvalho; Rodrigo Alvaro Brandão Lopes Martins; Jacarei, São Paulo University of Nove de Julho, UniVap
14:15		
41	EFFECT OF PHOTOBIMODULATION ON AUTOGENOUS SKIN GRAFT DONOR AREA: A CASE CONTROL STUDY	Rosadelia Malheiros-Carboni, SK Bussadori, DFT Silva, KPS Fernandes, RA Mesquita-Ferrari SP Universidade Nove de Julho (UNINOVE), São Paulo, Brazil
14:30		
42	PHOTOBIMODULATION AS FINAL TREATMENT FOR THE CHRONICAL PAIN IN THE SUBCUTANEOUS TRAJECT OF THE VENTRICULO-PERITHONEAL SHUNT: A CASE REPORT	Alessandra Muoio, Muoio VMF, Neto,ES Pinto, F.C.G. Teixeira D.F Sao Paulo, Sp Universidade Nove De Julho, General Surgery
14:35		
43	PHOTOBIMODULATION THERAPY AND ITS PLACE IN MEDICINE OF THE 21ST CENTURY	Anatolii Korobov V.N.Karazin Kharkiv National University, Radio physicist ,Kharkiv, Ukraine
14:40		
44	APPLICATIONS OF PHOTOBIMODULATION THERAPY ALONE OR IN COMBINATION WITH KINESIOTHERAPY FOR	Alessandra Baptista, G.P.R Gomes, S.C. Nunez, A.F. Frade-Barros, D.S.F. Magalhães Bioengineering Program, Universidade Brasil, São Paulo, Brazil
14:45		

	TREATMENT OF KNEE OSTEOARTHRITIS	
45 14:50	EFFECTS OF LASER PHOTOBIMODULATION ON SPASTIC MUSCLE: BIOMECHANICAL ANALYSIS	Gabriela Souza, Marcele Florêncio Neves, Ana Paula Pinto, Carolina Lobo Guimarães, Leticia Tiemi Maegima, Bruna Moreira de Oliveira Spinelli, Rodrigo Alvaro Brandão Lopes-Martins, Fernanda Pupio Silva Lima, Emilia Angela Lo Schiavo Arisawa, Mário Oliveira Lima. Sao Jose Dos Campos, Univap Sao Paulo, Brazil
46 14:55	METHODOLOGICAL STUDY OF PHOTOBIMODULATION ANTI- EDEMATOUS EFFECTS ON CARRAGEENAN-INDUCED INFLAMMATION ON ZEBRAFISH	¹Silvia Cristina Nunez, ¹Ives Charles da Silva, ¹Jonathan Simplicio Nascimento, ²Martha Simoes Riberio ¹ Universidade Brasil, ² IPEN-CNEN - Sao Paulo, Brazil, Bioengineering
47 15	ANALYSIS OF THE EFFECTS OF PHOTOBIMODULATION ON THE IN VITRO ACTIVITY OF CHONDROCYTES IN AN EXPERIMENTAL MODEL OF COLLAGEN-INDUCED ARTHRITIS	Pamella Gabriela dos Santos Ferreira, Solange Almeida dos Santos, Jheniphe Rocha Caires, Fenando de Jesus da Silva, Rodrigo Labat Marcos, Paulo de Tarso Camillo de Carvalho São Paulo Universidade Nove de Julho – UNINOVE, São Paulo, Brazil
48 15:05	EFFECTS OF LASER PHOTOBIMODULATION ON EXPERIMENTAL SPINAL CORD INJURY IN RATS: BIOMECHANICAL ANALYSIS	C. A. Guimaraes, M.Sc.; A P C Pereira, M.Sc.; G A S Souza, M.Sc.; E H P Polisel, M.Sc.; E M P Pröglhöf, M.Sc.; J L R Fonseca, M.Sc.; M F Neves, PhD.; L B Sant’Anna, PhD.; R A B Lopes-Martins, PhD.; F P S Lima, PhD.; E A L Arisawa, PhD.; M O Lima, PhD. São José dos Campos, São Paulo Universidade do Vale do Paraíba, Instituto de Pesquisa e Desenvolvimento - Laboratório de Engenharia de Reabilitação Sensório Motora, physiotherapist
49 15:10	APPLICATION OF PHOTOBIMODULATION BEFORE OR AFTER HIGH-INTENSITY RESISTIVE EXERCISE HAS SIMILAR IMPACT ON MUSCULAR OXIDATIVE STRESS?	Simone Sunemi, HA de Oliveira, BSDM Mansano, ILA Teixeira, FA Silva, CS Oliveira, PJF Tucci, AJ Serra Universidade Nove de Julho, São Paulo–SP, Brazil. Universidade Federal de São Paulo, São Paulo –SP, Brazil.
50 15:15	LASER THERAPY AND GRIMALDI’S MUSCLE SHORTENING MANEUVER: CAN SPASTICITY BE TREATED?	D. Longo^{1,2}, PT, MSc, PhD St., L. Longo², MD, G. Cherubini², PT, Msc, V. Mangé², PT, MSc, P. Lippi³, PT, MSc, M. Bagni¹, PhD. ¹ Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; ² Institute Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; ³ Az.USL Toscana Centro, Pistoia, Italy

21:30 GALA DINNER
WITH SHOW, CLOSURE CEREMONY, GRANTS & AWARD ASSIGNATION

ITALIAN SOCIETY OF AESTHETIC MEDICINE

SYMPOSIUM

Room B – November 9th, 2019

Chairpersons: R. Pirvulescu, F. Tomaselli, D. York

14:30	PHOTODYNAMIC THERAPY FROM PATHOLOGY TO AESTHETICS	Fiorella Bini SIME – Italian Society of Aesthetic Medicine, Rome, Italy
14:45	COMBINED THERAPY FOR RESISTENT TATTOO REMOVAL	Dario Dorato and Fausto Perletto SIME – Italian Society of Aesthetic Medicine, Rome, Italy
15:00	LASER RHINOPLASTY IN ROSACEA	Alessia Pini, Giovanni Cannarozzo Università degli Studi di Roma Tor Vergata U.O.C. Dermatologia PTV Roma Laser-Unit
15:15	VULVO VAGINAL ATROPHY AND GENITAL AGEING: THE ROLE OF LASERTHERAPY	Domenico Feleppa SIME – Italian Society of Aesthetic Medicine, Rome, Italy
15:30	LASER IN AESTHETIC MEDICINE TODAY	E. Bartoletti, MD, PhD President SIME – Italian Society of Aesthetic Medicine, Rome, Italy
15:45	STAMINALIA PRESENT AND FUTURE	Fulvio Tomaselli , MD Honor President, Italian Society of Aesthetic Medicine, Rome, Italy

LATE ABSTRACTS not confirmed by the Authors - MISCELLANEA

Room B – November 9th, 2019

Chairpersons: R. Pirvulescu, F. Tomaselli, D. York

16:00	PHOTO BIO MODULATION 28 Years of Clinical Activity Review	Dana York, DR Thaha, A. Lefter, S.Herman, PMS College of Dentistry, Nice, France
16:15	INNOVATIVE METHOD IN NEUROTHERAPY; NEUROLOGY AND PSYCHIATRY; INVESTIGATION OF TRANSCRANIAL LASER STIMULATION (TLS) ON EEG RHYTHMS	Yasaman Zandi Mehran, PhD Tehran College of Electrical Biomedical Engineering, University of Tehran, Iran
16:30	HOW TO USE DENTAL DIODE LASERS: 15 RULES	Mohammed Abdelfattah, DDS Roma Sapienza University, Bologna (BO)
16:45	EFFICACY OF MINOXIDIL 15% SOLUTION PLUS LOW-LEVEL LIGHT THERAPY VERSUS MINOXIDIL 15% SOLUTION MONOTHERAPY IN THE TREATMENT OF ANDROGENETIC ALOPECIA	Mohamad Goldust, MD Dermatology Dept, Mazandaran University of Medical Sciences, Sari
17:00	EFFICACY OF KLIGMAN'S FORMULA PLUS Q-SWITCH LASER FOR TREATMENT OF ACANTHOSIS NIGRICANS	Mohamad Goldust, MD Dermatology Dept, Mazandaran University of Medical Sciences, Sari
17:15	EFFICACY OF COMBINATION THERAPY WITH KLIGMAN'S FORMULA PLUS LOW- POWER FRACTIONAL CO₂ LASER VERSUS TOPICAL METHIMAZOLE PLUS LOW- POWER FRACTIONAL CO₂ LASER FOR TREATMENT OF MODERATE TO SEVERE MELASMA	Mohamad Goldust, MD Mazandaran University of Medical Sciences, Sari, Iran
17:30	SAFETY AND EFFICACY OF MULTIPLE COURS TRANSSCLERAL LASER CYCLOCOAGULATION IN PATIENTS WITH NEOVASCULAR GLAUCOMA	O.V. Guzun, P. P. Chechin, O. S. Zadorozhnyy, I. O. Nasinnyk A. R. Korol SI "Filatov Institute of Eye Diseases and Tissue Therapy of NAMS of Ukraine"; Odessa (Ukraine),
17:45	LASER IN DARK SKIN DERMATOSIS	Ahmed Al Issa, MD Riyadh Derma clinic, Riyadh, Arabian Emirates
18:00	EFFECT OF LOW LEVEL LASER ACUPUNCTURE ON EXHALED 8 ISOPROSTANE BIOMARKER IN CHILDREN WITH CHRONIC BRONCHIAL ASTHMA	Mai Elsheikh¹, Asmaa A. A. Alsharkawy, Nagwa H. Mohamed, Mona M Soliman, ¹ Nonstate National Research Center, Cairo, Egypt Department of Pediatrics. Faculty of Medicine, Ain Shams University, Department of Medical Applications of Laser, National Institute of Laser Enhanced Sciences (NILES)

18:30 SESSION FOR PATIENTS: QUESTION AND ANSWER ,CONCLUSION

21:30 GALA DINNER
WITH SHOW, CLOSURE CEREMONY, GRANTS & AWARD ASSIGNATION