

# //////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 8<sup>th</sup>, 2019

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

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| <b>8:00</b> | <b>BIOPHYSICAL MECHANISMS OF LIGHT DIAGNOSTICS AND TREATMENT IN INTEGRATIVE MEDICINE</b>   | <b>K. Korotkov, PhD</b><br>St. Petersburg University,<br>Russia                         |
| <b>8:20</b> | <b>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</b> | <b>P. Manzelli, PhD,</b><br>Director of LRE/EGO-<br>CreaNet – University of<br>Florence |
| <b>8:40</b> | <b>MENTAL INFLUENCE ON PHYSICAL REALITY</b>  | <b>L. Pederzoli, Eng</b><br>Evanlab Laboratory,<br>Florence                             |

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

**LASER DENTISTRY TALK POSTERS**

**Room B – November 8<sup>th</sup>, 2019**

**Chairpersons: T. Dostalova, R. Kornbilt, R. Labat Marcos**

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| 1<br>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<br>Mogi das Cruzes, SP Universidade Nove de Julho UNINOVE, Sao Paulo, Brazil  |
| 2<br>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<br>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<br>Brazil, Sao Paulo Bauru School of Dentistry - University of Sao Paulo, Periodontology   |
| 4<br>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<br>São Paulo Universidade Nove de Julho (UNINOVE), Postgraduate Program in Biophotonics Applied to Health Sciences ,São Paulo, Brazil  |
| 5<br>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<br>ITPAC Porto Nacional, ITPAC Palmas School Of Dentistry and Medicine, Tocantins, Brazil   |
| 6<br>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<br>São Paulo UNINOVE, Dentistry, São Paulo, Brazil  |
| 7<br>11:45  | PHOTOBIMODULATION DECREASES PAIN AND IMPROVE CLINICAL ASPECTS IN PATIENTS WITH ORAL LICHEN PLANUS   | Sobral SS <sup>1</sup> , Ferri EP <sup>1</sup> , Abboud CS <sup>1</sup> , Gallo CB <sup>2</sup> , Silva DFT <sup>1</sup> , Rodrigues MFSD <sup>1</sup><br><sup>1</sup> Biophotonics Applied to Health Science Program, Universidade Nove de Julho, rua Vergueiro, 235 São Paulo, SP ;<br><sup>2</sup> Department of Stomatology, School of Dentistry, University of São Paulo, Brazil |
| 8<br>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  |

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|              |  | <p><b>Trevizani Martins, Kristianne Porta Santos Fernandes</b><br/> 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<br>11:55   | <p><b>EVALUATION OF SALIVARY AND SERUM LEVELS OF IL-6 AND IL-10 IN PATIENTS WITH ORAL LICHEN PLANUS TREATED WITH PHOTOBIO-MODULATION</b></p> | <p><b>Clery Abboud, Rodrigues MFDS</b><br/> Universidade Nove de Julho, Biofotônica, São Paulo, Brazil</p>  |
| 10<br>12:00  | <p><b>ANTIMICROBIAL PHOTODYNAMIC CHEMOTHERAPY (PACT) IN SURFACTANT VEHICLE FOR INACTIVATION OF PERIODONTOGENIC MICROORGANISMS</b></p>        | <p><b>Ana Carolina Tortamano, A.C.A.C Tortamano, N. Bim, B.F. de Brito, C. Pavani, R.A. Prates</b><br/> São Paulo Universidade 9 de Julho, São Paulo, Brazil</p>  |
| 11<br>12 :05 | <p><b>EFFECT OF LED PHOTOSTIMULATION OF A MICROBIAL CONSORTIUM ON THE DEGRADATION OF TOXIC AND RECALCITRANT ORGANOPOLUTANTS</b></p>          | <p><b>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.</b><br/> LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia - Brazil<br/> Center of Biophotonics, School of Dentistry<br/> Federal University of Bahia, Salvador – Bahia - Brazil.</p>                       |
| 12<br>12:10  | <p><b>EFFECTIVENESS OF USING POLARIZED LIGHT IN AmPDT ON Staphylococcus aureus USING TAYLOR´S BLUE AS PHOTSENSITIZER.</b></p>                | <p><b>Darcy Almeida, Crugeira P. J. L., Nunes I. P. F., Soares L. G. P., Almeida P., Pinheiro A. L. B.</b><br/> Center of Biophotonics, School of Dentistry &amp; LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia – Brazil</p>   |
| 13<br>12:15  | <p><b>EVALUATION OF THE EFFECTS OF THE 808 NM DIODE LASER ON REMINERALIZATION OF INDUCED TOOTH DECAY INJURY IN BOVINE DENTIN</b></p>         | <p><b>Alves CB, Oliveira MCR, Oliveira LHC, Oliveira PHC, Cassoni A, <sup>1</sup>Kato IT, <sup>1</sup>Benetti C, Prates RA</b><br/> São Paulo, SP Universidade Nove de Julho, <sup>1</sup>ABC Federal University, SãoPaulo,Brazil</p>   |
| 14<br>12 :20 | <p><b>TREATMENT OF HALITOSIS WITH PHOTODYNAMIC THERAPY IN OLDER PATIENTS WITH COMPLETE DENTURE: A RANDOMIZED, CONTROLLED TRIAL</b></p>       | <p><b>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</b><br/> Biophotonics applied to Health Sciences Post-Graduate Program, Nove de Julho University-UNINOVE, São Paulo, Brazil</p> |
| 15<br>12 :25 | <p><b>EVALUATION OF IN-OFFICE BLEACHING WITH VIOLET LED (405nm): A CONTROLLED, RANDOMIZED, TRIPLE-BLIND CLINICAL TRIAL</b></p>               | <p><b>Ana Eliza Castanho Garrini dos Santos<sup>1</sup> , Aldo Brugnera Junior<sup>2</sup>, Fatima Antonia Aparecida Zanin<sup>3</sup>, Eloisa de Paula<sup>4</sup>, Marcelo Mendes Pinto<sup>5</sup>,Renata Matalon Negreiros<sup>1</sup>, Sandra Kalil Bussadori<sup>1</sup>, Anna Carolina Ratto Tempestini Horliana<sup>1</sup></b></p>                           |

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|                    |   | <p><sup>1</sup>Biophotonics applied to Health Sciences Post-Graduate Program, Nove de Julho University-UNINOVE, São Paulo, Brazil ,</p> <p><sup>2</sup>Invited professor and Associate Researcher of Nacional Institute of Science, IFSC-USP, São Carlos – Brazil,</p> <p><sup>3</sup>Director of Biophotonic Center of Institute Brugnera Zanin, São Paulo, Brazil,</p> <p><sup>4</sup>UNIMES – Universidade Metropolitana de Santos - Brazil,</p> <p><sup>5</sup> School of Dentistry - Nove de Julho Univ.-UNINOVE, São Paulo, Brazil</p>                      |
| 16<br>12 :30       | <b>ANTIMICROBIAL PHOTODYNAMIC THERAPY MEDIATED BY PAPAMBLUE® ON PERIODONTAL DISEASE: RANDOMIZED BLIND CONTROLLED TRIAL</b>          | <p><b>Anselmo GG, Oliveira PHC, Oliveira MRC, Tortamano ACAC, Rossi AL, Fernandes KP S, Prates RA.</b></p> <p>São Paulo Universidade Nove de Julho, São Paulo, Brazil</p>   |
| 17<br>12:35        | <b>EVALUATION OF HALITOSIS AFTER PHOTODYNAMIC THERAPY: A RANDOMIZED, CONTROLLED, SINGLE-BLINDED TRIAL WITH 3-MONTH FOLLOW UP</b>    | <p><b>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</b></p> <p>SÃO PAULO University Nove de Julho/UNINOVE, Postgraduate Program of Biophotonics Applied to Health Sciences, São Paulo, Brazil,</p>  |
| 18<br>12 :40       | <b>EVALUATION EFFECT PREVENTIVE OF REMINERALIZING MATERIALS IN DENTAL EROSION INJURY BY SPECKLE TECHNIQUE: AN IN VITRO ANALYSIS</b> | <p><b>Silvana Ortega, Silvia Regina Garcia Olivan, Sandra Kalil Bussadori</b></p> <p>São Bernardo Do Campo, Universidade Nove De Julho, Sao Paulo, Brazil</p>   |
| 19<br>12 :45       | <b>THE OCT EVALUATION OF WHITE SPOT LESIONS AFTER APPLICATION OF DIODE LASER 808nm AND FLUORIDES</b>                                | <p><b><sup>1</sup>Marcia Oliveira, <sup>1</sup>Carapicuíba, Oliveira MRC, Oliveira LHC, Oliveira PHC, Alves CB, Kato IT, Benetti C, <sup>1</sup>Prats RA</b></p> <p><sup>1</sup>SP Uninove,</p> <p><sup>2</sup>ABC Federal University</p>   |
| 20<br>12 :50       | <b>PDT IN ORTHODONTICS PATIENTS</b>   | <p><b>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.</b></p> <p>Center of Biophotonics, School of Dentistry &amp; LABEM, Institute of Health Sciences, Federal University of Bahia, Salvador – Bahia - Brazil.</p>   |
| 20<br>BIS<br>12:55 | <b>PHOTOBIMODULATION EFFECTS ON BONE HEALING IN PATIENTS – CASE SERIES</b>  | <p><b>R P Corrêa<sup>1</sup>, L Santos Feitosa<sup>2</sup>, S C Nunez<sup>3</sup>, M Saleh<sup>3</sup>, SPR Macedo<sup>1</sup>, A Araki<sup>4</sup>, R S Navarro<sup>1,3*</sup></b></p> <p><sup>1</sup>Universidade Brasil, Biomed Eng. Post Graduation Program, São Paulo, Brazil</p> <p><sup>2</sup>Universidade Federal de São Paulo- UNIFESP, São Paulo, Brazil</p> <p><sup>3</sup>Universidade Brasil, Bioeng. Post Graduation Program, São Paulo, Brazil</p> <p><sup>4</sup>Universidade Cruzeiro do Sul, Dentistry Post Graduation Program, São Paulo,</p> |

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

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

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

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

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| <p>29<br/>15:40</p> | <p>EFFECT OF PHOTODYNAMIC THERAPY AND PLATELET-DERIVED GROWTH FACTOR ON IMMUNOREACTIVITY IN PATIENTS WITH LOWER LIMB WOUNDS</p> | <p>Elena Klimova<sup>1</sup>, Ekateryna Bychenko<sup>1</sup>, Anatoliy Korobov<sup>2</sup>, Elena Lavinskaya<sup>1</sup>, Yuliya Ivanova<sup>1</sup>, VitaliyPrasol<sup>1</sup>, GeliyPonomariev<sup>3</sup><br/> <sup>1</sup>State Institution «VT Zaytsev Institute of General and Emergency Surgery of NAMSU», Kharkiv, Ukraine<br/> <sup>2</sup>VN Karazin Kharkiv National University, Kharkiv, Ukraine<br/> <sup>3</sup>VN Orekhovich Institute of Biomedical Chemistry of RAMS, Moscow, Russia</p>  |
| <p>30<br/>15:45</p> | <p>COMBINATION THERAPY OF WOUNDS IN PATIENTS WITH ISCHEMIC DIABETIC FOOT</p>  | <p>Yuliya Ivanova<sup>1</sup>, Yelena Klimova<sup>1</sup>, Vitaliy Prasol<sup>1</sup>, Anatoliy Korobov<sup>2</sup>, Kirill Miasoyedov<sup>3</sup><br/> <sup>1</sup>State Institution «VT Zaytsev Institute of General and Emergency Surgery of NAMSU», Kharkiv Ukraine<br/> <sup>2</sup>VN Karazin Kharkiv National University, Kharkiv Ukraine<br/> <sup>3</sup>Kharkiv National Medical University, Kharkiv, Ukraine</p>  |
| <p>31<br/>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<br/> São Paulo IPEN, São Paulo, Brazil</p>  |
| <p>32<br/>15:55</p> | <p>EFFECTS OF PHOTOBIMODULATION ON BREAST TUMOR- BEARING MICE BEFORE RADIOTHERAPY</p>   | <p>C.R. Silva, M.S. Ribeiro<br/> Center for Lasers and Applications, Energy and Nuclear Research Institute, IPEN, São Paulo, SP, Brazil</p>  |
| <p>33<br/>16:00</p> | <p>PHOTOBIMODULATION IN CUTANEOUS INJURY CAUSED BY USE OF CIRCULAR EXTERNAL FIXATOR: CASE SERIES</p>                            | <p>Virginia Rodrigues<sup>1</sup>, Ayres Fernando Rodrigues<sup>2</sup>, Rita de Cássia Ferreira<sup>1, 3</sup>, Aryelle Togni<sup>1</sup>, Karine Dayane Rodrigues<sup>1</sup>, Daniela Fátima Teixeira Silva<sup>1</sup><br/> <sup>1</sup>Postgraduate Program in Biophotonics Applied to Health Sciences, Nove de Julho University/UNINOVE, São Paulo,<br/> <sup>2</sup>Consultório Médico Reconstrução e Alongamento Ósseo, Tratamento de Feridas Complexas, Ipiranga, São Paulo, SP, Brazil.<br/> <sup>3</sup>Conjunto Hospitalar do Mandaqui, 4301 Voluntários da Pátria Street, Santana, São Paulo, SP, Brazil.</p> |
| <p>34<br/>16:05</p> | <p>EVALUATION OF LIGHT ABSORPTION OF CELL LINES CULTIVATED UNDER NUTRITIONAL STRESS</p>   | <p>Juliana Estephan Nobile, Eloy GYG. Silva DFT. Rodrigues MFS<br/> Sao Paulo UNINOVE, Sao Paulo, Brazil</p>   |
| <p>35<br/>16:10</p> | <p>REPURPOSING LASER IRRADIATED THIORIDAZINE AS ANTIMICROBIAL AGENT</p>   | <p>T. Tozar, A.M. Udrea, M. Boni, I.R. Andrei, A. Staicu, <u>M. L. Pascu*</u></p>  |



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|---------------------------|---|---|
|                           | <b>AGAINST MULTIPLE DRUG RESISTANCE ACQUIRED BY BACTERIA</b>  | <sup>1</sup> National Institute for Laser, Plasma and Radiation Physics, Magurele, Ilfov, Romania   |
| <b>36</b><br><b>16:15</b> | <b>MICRO/NANO-SIZE EMULSION OF SODIUM TETRADECYL SULFATE AND VITAMIN A GENERATED BY LASER-ASSISTED METHOD</b> | <b>Andra Dinache<sup>1</sup>, Ionut Relu Andrei<sup>1</sup>, Tatiana Tozar<sup>1</sup>, Adriana Smarandache<sup>1</sup>, Iuliana Iordache<sup>1</sup>, Mihai Boni<sup>1</sup>, Angela Staicu<sup>1</sup>, Mihail Lucian Pascu<sup>1,2,*</sup></b><br><sup>1</sup> Laser Dept, National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania<br><sup>2</sup> Faculty of Physics, University of Bucharest, Magurele |
| <b>16:30 COFFEE BREAK</b> |   |   |

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

## LASER UROLOGY AND GYNAECOLOGY

Room A – November 8<sup>th</sup>, 2019

Chairpersons: G. H. Leibaschoff, M. Trelles, A. Vaitkuvienė

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| 14:00 | TRASEPIDERMIZATION OF DRUGS WITH THE AID OF RF AND ULTRASOUNDS TO TREAT SCARS   | <b>M. Trelles, MD, PhD</b><br>Instituto Medico Vilafortuny, Cambrils, Tarragona, Spain   |
| 14:20 | LASER FRACTIONAL RESURFACING & ANTIPIGMENT-CREAM PROGRAMME FOR TREATING PIGMENTARY DISORDERS IN DARK SKIN PHOTOTYPES                          | <b>M. Trelles, MD, PhD</b><br>Instituto Medico Vilafortuny, Cambrils, Tarragona, Spain   |
| 14:35 | HORIZONTAL CAVITATION IN FUNCTIONAL IMPOTENCE: PRELIMINARY RESULTS  | <b>L. Longo, MD, *D. Longo, PT, MSc, PhDSt., G. Cherubini, PT, MSc, V. Mangé, PT, Msc</b><br>Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy<br>*University of Florence- Florence, Italy   |
| 14:45 | VULVO VAGINA REGENERATION IN 2019   | <b>Gustavo H. Leibaschoff, MD, PhD</b><br>Co-Director of the University Course of Specialist in Aesthetic and Functional Gynecology and Female Aesthetic Genital Surgery University of Barcelona Spain   |
| 15:00 | CO <sub>2</sub> LASER FOR FEMININE REJUVENATION   | <b>K. Khatri, MD</b><br>Skin & Laser Surgery Center of New England<br>Cambridge Boston, MA, USA  |
| 15:15 | LASER THERAPY IN POSTPARTUM VAGINAL ATROPHY   | <b>Daniela Brinzan, MD</b><br>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                                     | <b>S. T. Pereira, C. R. Silva, M. S. Ribeiro</b><br>Centre for Lasers and Applications, Energy and Nuclear Research Institute, São Paulo, SP, Brazil   |
| 15:45 | FLUORESCENCE SPECTROSCOPY AS DIAGNOSTIC TOOL FOR PRECISION MEDICINE   | <b>Aurelija Vaitkuvienė, V. Gėgžna<sup>1,2</sup>, R. Kurtinaitienė<sup>3</sup>, J. V. Vaitkus<sup>1</sup></b><br><sup>1</sup> Institute of Photonics and Nanotechnology, Vilnius University, Lithuania<br><sup>2</sup> Institute of Biosciences, Life Sciences Center, Vilnius University, Sauletekio al. 7, LT-10257<br><sup>3</sup> Vilnius University Hospital Santaros clinics, Santariskiu 2, LT-08661 Vilnius, Lithuania |
| 16:00 | THERMOPHLEBOLOGY: USE IN DIAGNOSIS AND LASER TREATMENT OF VARICOSE VEINS  | <b><sup>1</sup>J. M. Aguilera Cantero, M.D., <sup>2</sup>M. P. Almada Davalos, M.D.</b><br><sup>1</sup> President, Paraguayan Association of Laser Medicine and Surgery. Head Laser Surgeon - Phlebologist at Corps Natura Laser Institute, Asuncion – Paraguay.<br><sup>2</sup> Plastic Surgeon and Phlebologist – Buenos Aires, Argentina. Argentine Association of Medical Thermography                                     |
| 16:15 | LASERLIPOLYSIS ULTRASOUND GUIDED. PRESURGICAL, INTRAOPERATORY AND POSTOPERATIVE FOLLOW UP EVALUATION WITH INFRARED THERMAL SCAN. A CASE STUDY | <b>J.M. Aguilera Cantero, M.D.</b><br>President, Paraguayan Association of Laser Medicine and Surgery. Head Laser Surgeon, CorpNatura Laser Center, Asuncion, Paraguay   |
| 16:30 | <b>COFFEE-BREAK</b>   |  |

**LASER/LIGHT IN AESTHETIC MEDICINE AND SURGERY - 1**

**Room A – November 8<sup>th</sup>, 2019**

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

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| <b>16:45</b> | <b>LASER TREATMENT FOR FACIAL INFLAMMATORY ACNE VULGARIS</b>   | <b>Irma Bernadette S.Sitohang</b><br>Cosmetic Dermatology Division<br>Department of Dermatovenereology, Faculty of Medicine,<br>Universitas Indonesia, Jakarta- Indonesia  |
| <b>17:00</b> | <b>NEW ACQUISITIONS IN THE TREATMENT OF ONYCHOMYCOSIS WITH PHOTODYNAMIC THERAPY</b>  | <b><sup>1</sup>C. Pedrinazzi, <sup>2</sup>L. Longo, <sup>3</sup>S. Andreoli, <sup>4</sup>J. Houang, <sup>4</sup>A. Lauto</b><br><sup>1</sup> Seregno, Dermatology, Univ. of Pavia, Italy<br><sup>2</sup> IALMS Florence, Italy<br><sup>3</sup> ASST Vimercate, Italy<br><sup>4</sup> University of Western Sidney, Australia |
| <b>17:15</b> | <b>USE OF PICO LASER IN DERMATOLOGY</b>  | <b>K. Khatri, MD</b><br>Skin & Laser Surgery Center of New England<br>Cambridge Boston, MA, USA  |
| <b>17:30</b> | <b>PREVENTION OF POST-INFLAMMATORY HYPERPIGMENTATION</b>   | <b><sup>1</sup>M. Ceccarelli, MD, <sup>2</sup>L. Rocchi, MD</b><br><sup>1</sup> Director of the International Center for Study and Research in Aesthetic and Physiological Medicine. Barcelona University<br><sup>2</sup> Head Res. & Development in AEGLEXA Srl, Rome, Italy  |
| <b>17:45</b> | <b>LASER FOR THE TREATMENT OF MELASMA, IN ASIAN SKIN</b>   | <b>Abraham Arimuko, MD</b><br>DKI Jakarta Central Army Hospital - Gatot Soebroto, Jakarta, Indonesia   |
| <b>18:00</b> | <b>COMBINED LASER TREATMENT FOR VITILIGO: WHAT'S NEW AND WHAT'S TRUE IN 2019</b>   | <b>Torello Lotti MD, MD (Hon)</b><br>Professor & Chair of Dermatology<br>University of Rome " G.Marconi" Rome , Italy  |
| <b>18:15</b> | <b>Er-YAG LASER AND IPL IN SKIN REJUVENATION. INDICATIONS AND TIPS</b>   | <b>Hasan Subasi, MD</b><br>Private Office, General Surgery With Masters In Aesthetic Surgery And Aesthetic Medecine, Istanbul, TURKEY  |
| <b>18:30</b> | <b>THE EFFECTIVE AND CLINICAL APPLICATION OF PHOTOBIMODULATION ON SVF. &amp; ADIPOCYTE DIFFERENTIATION AND PROLIFERATION</b> | <b>Pichansak Bunmas, MD.</b><br>Plastic and Reconstructive Surgery, Department of Surgery, Faculty of Medicine, Burapha University<br>VPast Institute of Aesthetic and Plastic Surgery Center.Chon Buri, Thailand  |
| <b>18:45</b> | <b>INTEGRATIVE MANAGEMENT WITH LASER LIPOLYSIS FOR FACIAL CONTURING AND REJUVENATION</b>                                     | <b>Pichansak Bunmas, MD.</b><br>Plastic and Reconstructive Surgery, Department of Surgery, Faculty of Medicine, Burapha University<br>VPast Institute of Aesthetic and Plastic Surgery Center.Chon Buri, Thailand  |
| <b>19:00</b> | <b>NEW TECHNOLOGY USING Er:YAG LASER IN MULTI-LEVEL REJUVENATION OF THE PERIORBITAL AREA</b>                                 | <b>E. Pozdeeva, MD</b><br>Sverdlovskay Obl Linline, Dermatology Cosmetology Ekaterinburg, Russia   |
| <b>19:15</b> | <b>EBD AND NEOCOLLAGENOSIS : TRUTH OR UNTRUTH ?</b>  | <b>Gustavo H. Leibaschoff, MD, PhD</b><br>Co Director of the University Course of Specialist in Aesthetic and Functional Gynecology and Female Aesthetic Genital Surgery<br>University of Barcelona Spain  |
| <b>19:30</b> | <b>OPEN CEREMONY WITH WELCOME COCKTAIL<br/>and LEADING LECTURE OF PROF. KONSTANTIN KOROTKOV</b>                              |  |

**PLENARY SESSION 2 - LEADING LECTURE**

**LASER PBM HISTORY AND STATE OF THE ART**

**Room A – November 9<sup>th</sup>, 2019**

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

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| <b>8:00</b> | <b>BIOSTIMULATION EVIDENCES OF LOW REACTIVE LEVEL LASER THERAPY</b>  | <b>A.Mester, MD, PhD</b><br>National Laser Therapy Centre<br>Peterfy Sandor Teaching Hospital, Budapest  |
| <b>8:20</b> | <b>PHOTOBIO-MODULATION FOR PAIN RELIEF: CURRENT EVIDENCE</b>   | <b>Baxter G.D., Liu L., Tumilty S., Galiano-Castillo, N., McDonough, S.M., Longo L., Lanzafame R., Anders J.</b><br>Centre for Health, Activity & Rehabilitation Research, University of Otago, New Zealand;<br>Department of Physical Therapy, Health Sciences Faculty, University of Granada, Spain;<br>Royal College of Surgeons of Ireland, Dublin, Ireland;<br>University of Siena, Italy; University of Buffalo, NY, USA; Uniformed University of the Health Sciences, Bethesda, USA.  |
| <b>8:40</b> | <b>EFFECTS OF LASER RADIATION ON MOLECULAR STRUCTURES OF MEDICAL INTEREST IN NORMAL AND OUT OF NORMAL GRAVITY CONDITIONS</b> | <b>Agota Simon<sup>1,2</sup>, Tatiana Tozar<sup>1</sup>, Adriana Smarandache<sup>1</sup>, Andra Dinache<sup>1</sup>, Ana Maria Udrea<sup>1</sup>, Iuliana Urzica<sup>1</sup>, Ruxandra Pirvulescu<sup>3</sup>, M.L. Pascu<sup>1,2,*</sup></b><br><sup>1</sup> National Institute for Laser, Plasma and Radiation Physics, Magurele<br><sup>2</sup> Faculty of Physics, University of Bucharest, Magurele<br><sup>3</sup> 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 9<sup>th</sup>, 2019**

**Chairpersons: Cheng-Jen Chang, Luiz Gustavo Balaguer Cruz., S. Krishna**

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

**LASER BIOMODULATION**  
**from SCIENTIFIC RESEARCH to CLINICAL PRACTICE**  
**Room A – November 9<sup>th</sup>, 2019**

**Chairpersons: J. Anders, R. Labat-Marcos, K. Samoilova**

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| <b>11:10</b> | <b>ANTI-THROMBOTIC EFFECT OF POLYCHROMATIC VISIBLE AND INFRARED POLARIZED LIGHT (480-3400 nm)   ANTI-THROMBOGENIC CHANGES IN HUMAN BLOOD</b> | <b>Kira Samoilova<sup>1</sup>, PhD, L.P.Papayn<sup>2</sup>, A.S.Shitikova<sup>2</sup>, A.V.Shcherbanyuk<sup>3</sup>, L.V.Gasparyan<sup>4</sup></b><br><sup>1</sup> Institute of Cytology, Russian Academy of Science, St.Petersburg, Russia<br><sup>2</sup> Russian Research Institute of Hematology and Transfusiology, St.Petersburg<br><sup>3</sup> The Nikiforov Russian Center of Emergency and Radiation Medicine, St.Petersburg, Russia,<br><sup>4</sup> Aber Institute, Helsinki, Finland          |
| <b>11:30</b> | <b>EFFECTIVENESS OF PHOTOBIMODULATION ON THE INCREASE OF TREG CELLS AND IL-10 CYTOKINE IN AN EXPERIMENTAL MODEL OF CHRONIC ASTHMA</b>        | <b>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</b><br>Biophotonics applied to health sciences, University Nove de Julho, São Paulo-SP, Brazil  |
| <b>11:45</b> | <b>PHOTOBIMODULATION ACTIVATES GLUCOSE UPTAKE IN BROWN ADIPOSE TISSUE OF OBESE MICE</b>  | <b>Tania Yoshimura, Martha S. Ribeiro</b><br>SP Nuclear and Energy Research Institute, Application of low level light sources, Sao Paulo, Brazil   |
| <b>12:00</b> | <b>EVALUATION OF PHOTOBIMODULATION IN SALIVAR PRODUCTION OF PATIENTS WITH ANTI-HYPERTENSIVE DRUG-INDUCED XEROSTOMIA</b>                      | <b>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</b><br>SP UNINOVE, Disability and Oral Health, São Paulo,Brazil   |
| <b>12:15</b> | <b>BURN MANAGEMENT WITH DIFFERENT LASERS IN PETS</b>   | <b>Katalin Kovács, DVM, PhD</b><br>LaserVet, Small Animal Laser Clinic, Budapest, Istvánmezei út 6. Hungary  |
| <b>12:30</b> | <b>EFFECTS OF LASER ON REPARATION OF DAMAGES IN GAMMA-IRRADIATED MICE</b>  | <b>Yulia Efremova, Zuzana Sinkorova, Jaroslav Prucha, Anna Lierova, Marcela Jelicova, Leos Navratil</b><br>Czech Technical University in Prague. Faculty of Biomedical Engineering, Dept .of Health Care Disciplines and Population Protection, Kladno<br>Czech Technical University in Prague, Faculty of Biomedical Eng., Dept of Information and Communication , Kladno<br>Czech University of Defence, Faculty of Military Health Sciences, Department of Radiobiology, Hradec Králové, Czech Republic |
| <b>12:45</b> | <b>LIGHT PARAMETERS AND PHOTOBIMODULATION: DIVE INTO COMPLEXITY</b>  | <b>Randa Zein, DDS, MSC</b><br>Cardiff University, Beirut, Lebanon   |

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| <b>13:00</b> | <b>LASER PHOTOMODULATION AND PELVIC REHABILITATION IN PATIENTS WITH SPINAL CORD INJURIES</b>       | <p><b>V. Mangé<sup>2</sup>, PT,MSc,,D. Longo<sup>1-2</sup>, PT,MSc, PhDSt., G. Cherubini<sup>2</sup>, PT,Msc, P. Lippi<sup>3</sup>, PT,MSc, D. Melchiorre<sup>1</sup>, MD,PhD, M. Bagni<sup>1</sup>, PhD. L. Longo<sup>2</sup>, MD</b></p> <p><sup>1</sup>Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; <sup>2</sup>Institute of Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; <sup>3</sup>Az.USL Toscana Centro, Pistoia, Italy</p> |
| <b>13:15</b> | <b>A TEAM APPROACH TO LASER SAFETY: EDUCATION AND TRAINING, SUSTAINABILITY, AND COMMON SENSE !</b> | <p><b>P. Smalley, RN, CMLSO</b><br/>TCI Chicago, USA</p>   |
| <b>13:30</b> | <b>LIGHT LUNCH</b>   |  |

**LASER THERAPY IN CENTRAL NERVOUS SYSTEM INJURIES**

**Room A November 9<sup>th</sup>, 2019**

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

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| <b>14:45</b> | <b>RELATIVE EFFECTIVENESS OF PHOTOBIMODULATION THERAPY (PBMT) FOR NEUROPATHIC PAIN USING SINGLE OR DUAL NEAR-INFRARED WAVELENGTH LASERS</b>                                 | <b>Juanita Anders<sup>1</sup>, A. Gregor<sup>1</sup>, G. Uscamayta<sup>1</sup>, B. Pryor<sup>2</sup></b><br><sup>1</sup> Uniformed Services University, Bethesda, MD, USA,<br><sup>2</sup> LiteCure LLC, New Castle DE, USA   |
| <b>15:00</b> | <b>RETROSPECTIVE ANALYSIS OF TWO DIFFERENT DOSES OF PHOTOBIMODULATION COMBINED WITH REHABILITATION THERAPY AS A THERAPEUTIC PROTOCOL FOR CANINE DEGENERATIVE MYELOPATHY</b> | <b>Lisa A. Miller<sup>1</sup>, Debbie (Gross) Torraca<sup>2</sup>, Luis De Taboada<sup>3*</sup></b><br><sup>1,3</sup> Companion Animal Health, LiteCure LLC, Newark, DE, USA<br><sup>2</sup> Wizard of Paws Physical Rehabilitation for Animals, Colchester, CT, USA  |
| <b>15:15</b> | <b>PHOTOBIMODULATION- A TOOL IN SOLVING THE OPIOID CRISIS</b>   | <b>Gerry Ross, MD</b><br>Tottenham, Ontario Private practice  |
| <b>15:30</b> | <b>EVALUATION OF IL-10 EXPRESSION AFTER PHOTOBIMODULATION TREATMENT</b>   | <b>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</b><br>São Paulo UNINOVE, São Paulo, Brazil      |
| <b>15:45</b> | <b>MODIFIED INTRAVASCULAR LASER IRRADIATION OF BLOOD (ILIB) EFFECTIVENESS ON PAIN AND QUALITY OF LIFE IN PATIENTS WITH DIABETIC NEUROPATHY</b>                              | <b><sup>1</sup>Emilia Angela Lo Schiavo Arisawa, <sup>1</sup>Milena Valdinéia da Silva Leal, <sup>1</sup>Mário de Oliveira Lima, <sup>1</sup>Renata Amadei Nicolau, <sup>1</sup>Teresa Marly Teles de Carvalho, <sup>2</sup>Jesus Antonio de Carvalho Abreu, <sup>2</sup>Diego Rodrigues Pessoa</b><br><sup>1</sup> Universidade do Vale do Paraíba-Univap, Sao Paulo<br><sup>2</sup> Universidade Estadual do Piauí, Sao Jose dos Campos, Brazil |
| <b>16:00</b> | <b>PRECLINICAL STUDY OF THE EFFECTIVENESS OF PHOTOBIMODULATION IN SPINAL CORD INJURY INDUCED BY HEMISECTION</b>   | <b>Emilia Angela Arisawa, Débora Chaves, Luciana Sant' Anna, Paulo Barja, Rodrigo Alvaro Lopes-Martins.</b><br>Universidade do Vale do Paraíba-Univap, Sao Jose dos Campos, Sao Paulo   |
| <b>16:15</b> | <b>EFFECTS OF LASER THERAPY ON PATIENTS AFFECTED BY SPINAL CORD INJURY: A SENSITIVITY INVESTIGATION</b>   | <b>G. Cherubini,PT, Msc, *D. Longo, PT,MSc, PhD St. V. Mangé, PT,Msc, *P. Lippi, PT, MSc, L Longo, MD</b><br>Institute Laser Medicine, International Academy Laser Medicine and Surgery, Firenze – Italy<br>*University of Florence- Florence, Italy  |
| <b>16:30</b> | <b>COFFEE BREAK</b>   |   |



## LASER REHABILITATION

Room A – November 9<sup>th</sup>, 2019

Chairpersons: M. Bagni, J. Vaitkus, L. Navratil

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

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

**PHOTOBIO-MODULATION - TALK POSTER SESSION**

**ROOM B – NOVEMBER 9<sup>TH</sup>, 2019**

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

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|--------------|---|--|
| <b>37</b>    | <b>EFFECTS OF PHOTOBIO-MODULATION IN THE INFLAMMATION IN FIBROSIS EXPERIMENTAL MODEL</b>  | <b>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</b>  |
| <b>14:00</b> |   |  |
| <b>38</b>    | <b>EFFECTS OF PHOTOBIO-MODULATION BY LASER ON OSTEOARTHRITIS TREATMENT</b>  | <b>Carla Tim, Eduardo Trevisan, Juliana Tarocco, Naldiana Cerqueria Silva, Francisco Eugênio Deusdará de Alexandria, Cintia Martignago, Livia Assis</b><br>Universidade rasil, São Paulo – Brasil, Universidade Federal de São Carlos,Brasil   |
| <b>14:05</b> |   |  |
| <b>39</b>    | <b>NEED OF DRUG THERAPY RESCUE IN POST-OPERATIVE OF ORTHOPEDIC SURGERY WITH LLLT</b>  | <b>Correa P.V.<sup>1</sup>, Zabeu A.M.C.<sup>2</sup>, Da Silva N.S.<sup>2</sup></b><br><sup>1</sup> Postgraduate Student in Veterinary Anesthesiology - PAV, Sao Paulo, SP, Brazil.<br><sup>2</sup> Institute of Research and Development - IP&D, University of Vale do Paraíba, Laboratory of Cell Biology and Tissue, São José dos Campos, SP, Brazil.       |
| <b>14:10</b> |   |  |
| <b>40</b>    | <b>PHOTOBIO-MODULATION THERAPY MAY IMPROVE THE RESOLUTION OF INFLAMMATORY PROCESS IN EXPERIMENTAL TENDINITE MODEL</b>                               | <b>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;</b><br>Jacarei, São Paulo University of Nove de Julho, UniVap |
| <b>14:15</b> |   |  |
| <b>41</b>    | <b>EFFECT OF PHOTOBIO-MODULATION ON AUTOGENOUS SKIN GRAFT DONOR AREA: A CASE CONTROL STUDY</b>  | <b>Rosadelia Malheiros-Carboni, SK Bussadori, DFT Silva, KPS Fernandes, RA Mesquita-Ferrari</b><br>SP Universidade Nove de Julho (UNINOVE), São Paulo, Brazil  |
| <b>14:30</b> |   |  |
| <b>42</b>    | <b>PHOTOBIO-MODULATION AS FINAL TREATMENT FOR THE CHRONICAL PAIN IN THE SUBCUTANEOUS TRAJECT OF THE VENTRICULO-PERITHONEAL SHUNT: A CASE REPORT</b> | <b>Alessandra Muoio, Muoio VMF, Neto,ES Pinto, F.C.G. Teixeira D.F</b><br>Sp Universidade Nove De Julho, General Surgery, Sao Paulo,Brazil   |
| <b>14:35</b> |   |  |
| <b>43</b>    | <b>PHOTOBIO-MODULATION THERAPY AND ITS PLACE IN MEDICINE OF THE 21<sup>st</sup> CENTURY</b>   | <b>Anatolii Korobov</b><br>V.N.Karazin Kharkiv National University, Radio physicist ,Kharkiv, Ukraine  |
| <b>14:40</b> |   |  |
| <b>44</b>    | <b>APPLICATIONS OF PHOTOBIO-MODULATION THERAPY ALONE OR IN COMBINATION WITH KINESIOTHERAPY FOR</b>  | <b>Alessandra Baptista, G.P.R Gomes, S.C. Nunez, A.F. Frade-Barros, D.S.F. Magalhães</b><br>Bioengineering Program, Universidade Brasil, São Paulo, Brazil   |
| <b>14:45</b> |   |  |

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|                           | <b>TREATMENT OF KNEE OSTEOARTHRITIS</b>   |  |
| <b>45</b><br><b>14:50</b> | <b>EFFECTS OF LASER PHOTOBIMODULATION ON SPASTIC MUSCLE: BIOMECHANICAL ANALYSIS</b>   | <b>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.</b><br>Sao Jose Dos Campos, Univap Sao Paulo, Brazil  |
| <b>46</b><br><b>14:55</b> | <b>METHODOLOGICAL STUDY OF PHOTOBIMODULATION ANTI- EDEMATOUS EFFECTS ON CARRAGEENAN-INDUCED INFLAMMATION ON ZEBRAFISH</b>                           | <b><sup>1</sup>Silvia Cristina Nunez, <sup>1</sup>Ives Charles da Silva, <sup>1</sup>Jonathan Simplicio Nascimento, <sup>2</sup>Martha Simoes Riberio</b><br><sup>1</sup> Universidade Brasil, <sup>2</sup> IPEN-CNEN - Sao Paulo, Brazil, Bioengineering  |
| <b>47</b><br><b>15</b>    | <b>ANALYSIS OF THE EFFECTS OF PHOTOBIMODULATION ON THE IN VITRO ACTIVITY OF CHONDROCYTES IN AN EXPERIMENTAL MODEL OF COLLAGEN-INDUCED ARTHRITIS</b> | <b>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</b><br>São Paulo Universidade Nove de Julho – UNINOVE, São Paulo, Brazil   |
| <b>48</b><br><b>15:05</b> | <b>EFFECTS OF LASER PHOTOBIMODULATION ON EXPERIMENTAL SPINAL CORD INJURY IN RATS: BIOMECHANICAL ANALYSIS</b>  | <b>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.</b><br>São José dos Campos, São Paulo Universidade do Vale do Paraíba, Instituto de Pesquisa e Desenvolvimento - Laboratório de Engenharia de Reabilitação Sensório Motora, physiotherapist   |
| <b>49</b><br><b>15:10</b> | <b>APPLICATION OF PHOTOBIMODULATION BEFORE OR AFTER HIGH-INTENSITY RESISTIVE EXERCISE HAS SIMILAR IMPACT ON MUSCULAR OXIDATIVE STRESS?</b>          | <b>Simone Sunemi, HA de Oliveira, BSDM Mansano, ILA Teixeira, FA Silva, CS Oliveira, PJF Tucci, AJ Serra</b><br>Universidade Nove de Julho, São Paulo–SP, Brazil.<br>Universidade Federal de São Paulo, São Paulo –SP, Brazil.   |
| <b>50</b><br><b>15:15</b> | <b>LASER THERAPY AND GRIMALDI’S MUSCLE SHORTENING MANEUVER: CAN SPASTICITY BE TREATED?</b>  | <b>D. Longo<sup>1,2</sup>, PT, MSc, PhD St., L. Longo<sup>2</sup>, MD, G. Cherubini<sup>2</sup>, PT, Msc, V. Mangé<sup>2</sup>, PT, MSc, P. Lippi<sup>3</sup>, PT, MSc, M. Bagni<sup>1</sup>, PhD.</b><br><sup>1</sup> Dept Experimental and Clinical Medicine, Florence Univ., Florence, Italy; <sup>2</sup> Institute Laser Medicine, International Academy Laser Medicine and Surgery Firenze – Italy; <sup>3</sup> 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: E. Bartoletti, F. Tomaselli, D. York**

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

**LATE ABSTRACTS - MISCELLANEA**

**Room B – November 9th, 2019**

**Chairpersons: E. Bartoletti, F. Tomaselli, D. York**

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| <b>16:00</b> | <b>PHOTO BIO MODULATION<br/>28 Years of Clinical Activity Review</b>   | <b>Dana York, DR Thaha, A. Lefter, S.Herman,</b><br>PMS College of Dentistry, Nice, France                          |
|              | <b>ASSOCIATION OF LOW-LEVEL LASER THERAPY (LLL) AND SILICONE DRESSING IN THE PAIN MANAGEMENT IN RECESSIVE EPIDERMOLYSIS BULLOSA CHILDREN</b>               | <b>Cohen Vania, Cruz Luiz Gustavo Balaguer Cruz.</b><br>UniNove, Sao Paulo, Brazil                                  |
| <b>16:15</b> | <b>INNOVATIVE METHOD IN NEURO THERAPY; NEUROLOGY AND PSYCHIATRY; INVESTIGATION OF TRANSCRANIAL LASER STIMULATION (TLS) ON EEG RHYTHMS</b>                  | <b>Yasaman Zandi Mehran, PhD</b><br>Tehran College of Electrical Biomedical Engineering, University of Tehran, Iran |
| <b>16:30</b> | <b>HOW TO USE DENTAL DIODE LASERS: 15 RULES</b>  | <b>Mohammed Abdelfattah, DDS</b><br>Roma Sapienza University, Bologna (BO)  |
| <b>16:45</b> | <b>EFFICACY OF MINOXIDIL 15% SOLUTION PLUS LOW-LEVEL LIGHT THERAPY VERSUS MINOXIDIL 15% SOLUTION MONOTHERAPY IN THE TREATMENT OF ANDROGENETIC ALOPECIA</b> | <b>Mohamad Goldust, MD</b><br>Dermatology Dept, Mazandaran University of Medical Sciences, Sari                     |

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| <b>17:00</b> | <b>EFFICACY OF KLIGMAN'S FORMULA PLUS Q-SWITCH LASER FOR TREATMENT OF ACANTHOSIS NIGRICANS</b>   | <b>Mohamad Goldust, MD</b><br>Dermatology Dept, Mazandaran University of Medical Sciences, Sari   |
| <b>17:15</b> | <b>EFFICACY OF COMBINATION THERAPY WITH KLIGMAN'S FORMULA PLUS LOW-POWER FRACTIONAL CO<sub>2</sub> LASER VERSUS TOPICAL METHIMAZOLE PLUS LOW-POWER FRACTIONAL CO<sub>2</sub> LASER FOR TREATMENT OF MODERATE TO SEVERE MELASMA</b> | <b>Mohamad Goldust, MD</b><br>Mazandaran University of Medical Sciences, Sari, Iran   |
| <b>17:30</b> | <b>SAFETY AND EFFICACY OF MULTIPLE COURSE TRANSCLERAL LASER CYCLOCOAGULATION IN PATIENTS WITH NEOVASCULAR GLAUCOMA</b>   | <b>O.V. Guzun, P.P. Chechin, O. S. Zadorozhnyy, I. O. Nasinnyk A. R. Korol</b><br>SI "Filatov Institute of Eye Diseases and Tissue Therapy of NAMS of Ukraine"; Odessa, Ukraine   |
| <b>17:45</b> | <b>EFFECT OF LOW LEVEL LASER ACUPUNCTURE ON EXHALED 8 ISOPROSTANE BIOMARKER IN CHILDREN WITH CHRONIC BRONCHIAL ASTHMA</b>  | <b>Mai Elsheikh<sup>1</sup>, Asmaa A. A. Alsharkawy, Nagwa H. Mohamed, Mona M Soliman,</b><br><b><sup>1</sup>Nonstate National Research Center, Cairo, Egypt</b><br>Dept of Pediatrics. Faculty of Medicine, Ain Shams University, Dept 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 at Villa Viviani – Viale D'Annunzio 230, Firenze  
WITH MUSIC SHOW, CLOSURE CEREMONY, GRANTS & AWARD ASSIGNATION**