

POSTER PRESENTATIONS

Poster Session

21.11.2025, 13.00-14.00 / Poster Display 1

13.00-13.05 **Adjunctive diode laser therapy in chronic periodontitis: clinical and microbiological evaluation from a split-mouth study**
Dr. Jalal Abdulhameed, PhD Student
Department of Periodontology Faculty of Dentistry, Hacettepe University Ankara, Turkey

13.05-13.10 **Conservative management of a fractured maxillary canine (tooth 13) using surgical extrusion and laser biostimulation: a six-month clinical follow-up**
Dr. Nicolas Arten, PhD Student
Department of Periodontology Columbia University College of Dental Medicine New York, USA

13.10-13.15 **Comparative clinical evaluation of diode laser and scalpel techniques in gingivectomy procedures: healing, pain, and patient comfort**
Dr. Radwan Mohammed, PhD Student
Department of Periodontology, College Of Dentistry, University of Mosul Mosul, Iraq

13.15-13.20 **Laser surface modification of titanium implants: enhancing biointegration through controlled micro-texturing**
Dr. Mohammed Zare, PhD Student
Dental Faculty, Jordan University of Science and Technology Irbid, Jordan

13.20-13.25 **Clinical and radiological justification of the use of laser radiation in tooth extraction**
Oon M.G., post-graduate student, Razumov N.M., applicant
RUDN University Medical Institute Moscow, Russia

13.25-13.30 **Применение лазерных технологий в профилактике и лечении женщин с реоцлюзией в fallopian tube after endoscopic interventions**
Matkurbanova D.R. doctoral student, Shukurov F.I. Professor
Tashkent State Medical University, Tashkent, Uzbekistan

13.30-13.35 **Laser surface treatment of zirconia and lithium disilicate restorations: effects on adhesion and microstructure**
Dr. Allan Poscre, PhD Student
Dental Faculty Università degli Studi di Milano Statale Milan, Italy

13.35-13.40 **Comparative clinical evaluation of low-level laser therapy and conventional topical treatment in the management of recurrent aphthous stomatitis**
Dr. Andro Jalali, PhD Student
Faculty of Dentistry Hassan II University of Casablanca Casablanca, Morocco

13.40-13.45 **Photobiomodulation in the treatment of viral infections on the oral mucosa**
Budennaya O.V.¹resident, Blashkova Y.V.² PhD Student
¹*KSMU, Kazan, Russia*
²*RUM, Moscow, Russia*

13.45-13.50 **Experience of using photobiomodulation in the correction of endometrial dysfunction in women with infertility**
Zhalolova G.S. doctoral student, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.50-13.55 **Laser-assisted caries removal and enamel remineralization in pediatric dentistry**
Dr. Asmaa Alameen, PhD student
*Department of Orthodontics, Pediatric and Community Dentistry, University of Sharjah
Sharjah, United Arab Emirates*

13.55-14.00 **Antibacterial activity of 980nm wavelength laser radiation against *Porphyromonas gingivalis***
Voinova V.A., PhD student
*Borovsky Dental Institute Sechenov University
Moscow, Russia*

Poster Session

21.11.2025, 13.00-14.00 Poster Display 2

13.00-13.05 **Evaluation of root canal cleanliness following laser-assisted retreatment: an in vitro sem study on extracted teeth**
Dr. Alam Katrash, PhD Student
*Department of Endodontics, Faculty of Dentistry
Manipal College of Dental Sciences, Manipal University
Mangaluru, Karnataka, India*

13.05-13.10 **Fractional laser photothermolysis of the oral mucosa in patients with paradontitis and peri-implantitis**
Osmanov P.R. PhD Student
*Borovsky Dental Institute, Sechenov University
Moscow, Russia*

13.10-13.15 **The effectiveness of laser radiation for professional oral hygiene in patients with non-removable orthodontic equipment**
Magomedova S.M., applicant K.D. Lydina, 3rd year student
*RUDN University Medical Institute
Moscow, Russia*

13.15-13.20 **Clinical effectiveness of fractional CO₂ laser therapy for stress urinary incontinence: patient outcomes and symptom reduction trends**
Dr. Lara Armen, PhD student in Gynecology
*Gynecological department Cruces University Hospital
Barakaldo, Spain*

13.20-13.25 **Experience of photobiomodulation in rehabilitation of women with menstrual-ovarian dysfunction**
Nasriddinova G.B. clinical resident
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.25-13.30 **Photobiomodulation in diabetic wound healing: histological and biochemical insights from experimental models**
 Dr. Kiona Harfer, PhD Student
*Department of Dermatology Michigan Medicine, University of Michigan
 Ann Arbor, Michigan, USA*

13.30-13.35 **Laser micro-surgery for benign vocal fold lesions: voice quality and recovery patterns**
 Dr. Cris Pulongbar, Specialist, PhD student
*Department of Otolaryngology–Head and Neck Surgery, University of the Philippines
 College of Medicine
 Ermita Manila, Philippines*

13.35-13.40 **Diode laser hemorrhoidectomy: a comparative clinical study of postoperative pain, healing, and recurrence**
 Dr. Islam Ahmad, PhD Student
*Department of General Surgery Imam Khomeini Hospital Complex, Tehran University
 of Medical Sciences
 Tehran, Iran*

13.40-13.45 **Adjunctive low-level laser therapy for diabetic foot ulcers: histopathological and clinical evidence from a controlled study**
 Dr. Guan Mudsna, PhD student
*Department of Rehabilitation and Laser Therapy, Faculty of Medicine, Chiang Mai
 University
 Chiang Mai, Thailand*

13.45-13.50 **Application of photobiomodulation in the prevention and treatment of fetoplacental dysfunction in pregnant women with COVID-19**
 Kholova Z.B. doctor, Shukurov F.I. Professor
*Tashkent State Medical University,
 Tashkent, Uzbekistan*

13.50-13.55 **Laser-assisted pain management and tissue recovery in postoperative nursing care: evidence from clinical studies**
 Zainb Omer, PhD student
*Faculty of Nursing The University of Khartoum
 Khartoum, Sudan*

13.55-14.00 **Photobiomodulation-enhanced tissue regeneration: clinical and experimental insights into laser-mediated cellular repair**
 Dr. Sohad Ibrahim, PhD student
*Faculty of Medical Sciences Lebanese University (LU)
 Beirut, Lebanon*

Poster Session

21.11.2025, 13.00-14.00 Poster Display 3

13.00-13.05 **Clinical evaluation of low-level laser therapy in the management of diabetic peripheral neuropathy: pain reduction and nerve function improvement**
 Dr. Khaled Ajuad, PhD student in internal medicine
*Faculty of Medicine, University of Monastir
 Monastir, Tunisia*

13.05-13.10 **Impact of laser-based procedures on patient satisfaction and perceived service quality in a multidisciplinary medical center: a management perspective**
Dr. Elham Tariq Medher, PhD Student, Manager of medical Centre
Lincoln University College
Petaling Jaya, Malaysia

13.10-13.15 **Application of photobiomodulation in the prevention of empty follicle syndrome in women of reproductive age**
Olimova K.J. doctoral student, Shukurov F.I. Professor
Tashkent State Medical University,
Tashkent, Uzbekistan

13.15-13.20 **Yb,Er:Glass (1.54 μ m) Laser in Cataract Surgery: From Origins to New Horizons**
Nasser Raed PhD student, Smirnov S.N. associate professor, Perepelyakov A.Y. student, Belikov A.V. professor
Institute of Laser Technologies (ILT), ITMO University,
St. Petersburg, Russia

13.20-13.25 **Integration of advanced laser systems in medical technology: precision, automation, and biocompatibility in next-generation therapeutic devices**
Leon Yan Ju PhD Student, Kartl Juan. PhD Student
Department of Biomedical Engineering Institute for Medical Technology Innovation
National University of Singapore (NUS)
Singapore

13.25-13.30 **The role of mitochondrial dysfunction in the pathogenesis of female infertility and the possibilities of its correction by photobiomodulation methods**
Akhunjanova F.G. Magister, Shukurov F.I. Professor
Tashkent State Medical University,
Tashkent, Uzbekistan

13.30-13.35 **Biophysical and biochemical bases of the effect of 980 nm laser radiation on living tissues**
Ashikhmin V.M. PhD Student
E.V. Borovsky Institute of Dentistry, Sechenov University
Moscow, Russia

13.35-13.40 **Equipment and Technologies for Laser Functionalization of Titanium Implant Surfaces**
Karlagina Yu.Yu junior research assistant
Institute of Laser Technologies at ITMO University
St. Petersburg, Russia

13.40-13.45 **Clinical application of low-level laser therapy (LLLT) in diabetic foot ulcer management: nursing protocols, patient outcomes, and practical considerations**
Sama Gazar, researcher
Faculty of nursing Al-Mansoura university, Egypt
Mansoura, Egypt

13.45-13.50 **Application of laser therapy in the correction of oxidative stress in women with disorders of folliculogenesis**
Akhmadzhanova M.A. Magister, Shukurov F.I. Professor
Tashkent State Medical University,
Tashkent, Uzbekistan

13.50-13.55 **Laser therapy as a component of personalized correction of endocrine infertility in women**
Anvarova Sh.A. Magister, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.55-14.00 **Development of lasers for vascular coagulation**
Nagovitsyna D.V. Research engineer, Remennikova M.V. Head of Laboratory *PJSC Perm Scientific and Production Instrument Engineering Company*
Perm, Russia

Poster Session

21.11.2025, 13.00-14.00 Poster Display 4

13.00-13.05 **Evaluation of the effectiveness of laser reconstruction of soft tissues by speckle contrast imaging in vivo**
Pivachenko G.A. Associate Professor, Ryabkin D.I. Assistant, Stavtsev D.D., Suchkova V.V. assistant, Konovalov A.N., Selishchev S.V., Gerasimenko A.Yu. Head of the laboratory
NIU MIET, Moscow, Russia
Sechenov University, Moscow, Russia

13.05-13.10 **A differentiated approach to the management and treatment of women with AUB-O using laser technologies**
Abraeva N.N. Associate, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.10-13.15 **Nursing management and clinical outcomes of Holmium:YAG laser lithotripsy in kidney stone patients: pain reduction and stone clearance success**
Mohammed A. Alasmari, Nursing Specialist
*Lithotripsy Department, King Salman Hospital,
Tabuk, Saudi Arabia*

13.15-13.20 **Fractional CO₂ laser therapy for postmenopausal vaginal atrophy: clinical efficacy and patient-reported outcomes**
Dr. Rahf Alhasan, specialist
*Department of Obstetrics and Gynecology Al-Zahrawi hospital,
Damascus, Syria*

13.20-13.25 **Low-level laser therapy for female pattern hair loss: clinical efficacy and trichoscopic findings**
Dr. Faten Mahjoub, Consultant
*Department of Dermatology Al-Jawdah Medical Center
Dubai, Saudi Arabia*

13.25-13.30 **Application of laser technologies and photodynamic therapy in the treatment of infected ingrown toenail in patients with diabetes mellitus**
Vali-zoda F.V. applicant, Sadikov R.A Professor
*State Institution "RSNPMTSKH named after Academician V. Vakhidov",
Tashkent, Uzbekistan*

13.30-13.35 **Application of laser therapy in the complex rehabilitation of women after myomectomy**
Mukhiddinova M.Yo. doctor, Yusupova U.Yu. Associate Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.35-13.40 **Laser-assisted treatment protocol for peri-implantitis: clinical outcome after six months**
Dr. Jessie Do
*German Dental Clinic Orthodontic Center
Ho Chi Minh, Vietnam*

13.40-13.45 **Analysis of the effectiveness of the fiber laser in the surgical treatment of patients with dysplastic lesions of the oral mucosa**
Khisamieva G.M. PhD Student, Stepanov M.A. Assistant Professor, Tarasenko S.V. Professor
*Borovsky Dental Institute, Sechenov University
Moscow, Russia*

13.45-13.50 **Fractional Er:YAG laser resurfacing for post-acne scarring: clinical efficacy and patient satisfaction study**
Dr. Lucas Arton, Assistant Professor
*Department of Dermatology Nelson R. Mandela School of Medicine, University of KwaZulu-Natal
Durban, South Africa*

13.50-13.55 **Application of laser therapy in the complex treatment of hydrosalpinx in infertile women**
Ismailova Sh.I. Associate, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.55-14.00 **The results of laser acupuncture performed with a new acupuncture needle in the prevention of inflammatory and destructive complications of dental implantation**
Pokhodenko-Chudakova I.O. Professor, Karsyuk Y.V. PhD Student, Luschik M.D. assistant
BSMU Minsk, Belarus

Poster Session

21.11.2025, 13.00-14.00 Poster Display 5

13.00-13.05 **Laser soldering of blood vessels using chitosan patches stained with indocyanine green**
Suchkova V.V. assistant, Gerasimenko A.Yu. Head of the laboratory
*NIU MIET, Moscow, Russia
Sechenov University, Moscow, Russia*

13.05-13.10 **A modern approach to laser-associated liposuction of the face and neck-chin angle**
Kulabukhova I.A. senior lecturer, doctor Nikolaeva-Fedorova A.V., doctor Valiev L.L.
*RNIMU of N.I.Pirogov, Moscow, Russia
Medical Clinic, Moscow, Russia*

13.10-13.15 **Application of laser technologies in the correction of proteomic markers in various forms of female infertility**
Sharipova M.Sh. doctoral student, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.15-13.20 **Expression of IL-28B and DEFB1 genes in patients with oral mucosal hyperkeratoses depending on the method of surgical treatment**
Morozova V.V.¹ Assistant, Tarasenko S.V.¹ Professor, Svitich O.A.^{1,2} Professor, Kozlova P.E.¹ specialist
¹Sechenov University, Moscow, Russia
²Research Institute of Vaccines and Serums named after I. I. Mechnikov, Moscow, Russia

13.15-13.20 **The role of cytoreductive laser hyperthermia in the complex treatment of cerebral gliomas**
Ostreiko O.V., Cherebillo V.Y., Gavrilov G.V.
Ostreiko O.V. Associate Professor, Cherebillo V.Yu. professor, Gavrilov G.V. Associate Professor
*Pavlov St. Petersburg State Medical University
Saint Petersburg, Russia*

13.20-13.25 **Prognostic possibilities in the study of microhemodynamics by optical methods during preliminary and periodic medical examinations of workers in harmful industries**
Rogatkin D.A. Head of the laboratory, Karpov V.N. Senior Researcher
*MONIKI named after M.F. Vladimirskey
Moscow, Russia*

13.25-13.30 **Application of laser therapy in luteal phase support during assisted reproductive technologies**
Islomova M.Sh. Associate, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.30-13.35 **Clinical effectiveness of 810 nm low-level laser therapy (LLLT) in accelerating orthodontic tooth movement: treatment duration and pain reduction analysis**
Dr. Ahmad Alanzi
*37 Medical Centre Al-Riyad -Saudi Arabia
Riyadh, Saudi Arabia*

13.35-13.40 **Clinical and radiological assessment of the effect of fractional photothermolysis on the acceleration of orthodontic tooth movement in an animal experiment**
Morozova E.A. Professor, Razumova S.N. Professor, Brago A.S. Associate Professor, Latipov H.N. candidate Polevoy R.M. doctor
*RUDN University Medical Institute
Moscow, Russia*

13.40-13.45 **Effectiveness of laser therapy in the complex treatment of women with AUB-E**
Gaipova N.M. Associate, Shukurov F.I. Professor
*Tashkent State Medical University,
Tashkent, Uzbekistan*

13.45-13.50 **Laser Development in Cuban Dentistry: A Current Perspective**
Dr. Tatiana Pena Ruiz, Head of the Department of Periodontics Faculty of Dentistry
*University of Medical Sciences of Havana
Havana, Cuba,*

13.50-13.55 **Effectiveness of laser therapy in reducing pain and discomfort after third molar extraction: a systematic review and meta-analysis**
Dr. Karl De Santo, PhD researcher
*Dental School, University of Campinas
Campinas -Sao Paulo, Brazil*

13.55-14.00 **Laser photobiomodulation as an innovative method for activating ovarian function in women of late reproductive age**
Akhmedzhanova Kh.Z Associate, Shukurov F.I. . профессор
*Tashkent State Medical University,
Tashkent, Uzbekistan*

Poster Session

21.11.2025, 13.00-14.00 Poster Display 6

13.00-13.05 **Laser tweezers for measuring the interaction forces of erythrocytes and endothelial cells: examples of clinical studies**
Maksimov M.K., Ermolinsky P.B., Lugovtsov A.E., Priezdev A.V. Associate Professor
*Faculty of Physics, Lomonosov Moscow State University
Moscow, Russia*

13.05-13.10 **Mechanisms and technical systems for laser restoration of biological tissue integrity**
G Gerasimenko A.Y. Head of the laboratory, Suchkova V.V. Associate, Ryabkin D.I. Assistant, Morozova E.A. Professor
*NIU MIET, Moscow, Russia, Sechenov University, Moscow, Russia
RUDN University, Moscow, Russia*

13.15-13.20 **Fiber subpicosecond laser System with tunable pulse repetition rate for cold skin stimulation**
Anikina O.I., Sorokin N.A., Bogomolov V.M., Prudnikov A.O., Ismail A., Plitarak M.S., Orekhov I.O., Sazonkin S.G., Karasik V.E.
*Bauman Moscow State Technical University
Moscow, Russia*

13.20-13.25 **Development of nanocomposite solder for laser-induced peripheral nerve repair**
Ivanova A.S., Suchkova V.V., Gerasimenko A.Y.
*NIU MIET, Moscow, Russia
Sechenov University, Moscow, Russia*

13.25-13.30 **Adjunctive use of diode laser (810 nm) in the management of chronic periodontitis: a randomized clinical study on clinical and microbiological outcomes**
Dr. Mutaz Al-Qurashi, Associate Professor
*Department of Periodontology Dental Faculty, Sana'a University
Sana, Yemen*

13.30-13.35 **The effectiveness of using a diode laser for surgical treatment of dental patients**
Morozova E.A. Professor, Razumova S.N. professor
*RUDN University Medical Institute
Moscow, Russia*

13.35-13.40 **Comparative evaluation of diode and ER:YAG laser-assisted therapy as an adjunctive approach in the management of peri-implantitis: a literature-based review**
Anas Ibrahim Abdulmuktader, researcher
Dental Faculty, Assiut University
Assiut, Egypt

13.40-13.45 **Сравнительный анализ применения излучения диодных лазеров с длиной волны 810 нм и 445 нм при хирургическом лечении патологии полости рта**
Журавлев А.Н. доцент, Демин Е.С. ассистент, Филимонова Л. Б. доцент
Стоматологический факультет РязГМУ
г. Рязань, Россия