

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
Application of laser technologies in the prevention and treatment of fallopian tube reocclusion in women 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
¹KSMU, Kazan, Russia
²RUM, 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. Klona 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 μm) 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**
Piavchenko 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**
Mukhitdinova 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. Vladimirsky
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