

LA&HA Institute

Specialized Workshop: Mastering Modern Periodontics



Dedicated to Research & Education on the Medical Power of Light

Location:
LA&HA Institute
(Ljubljana, Slovenia)

Date:
14 – 15 Feb. 2025

Overview

The LA&HA Specialized Workshop: Mastering Modern Periodontics is a comprehensive two-day educational program focused on the latest advancements in periodontology, and related topics. This workshop, designed for dental professionals seeking to elevate their skills, offers a unique blend of theoretical knowledge and hands-on experience. Attendees will actively engage in exploring cutting-edge techniques such as laser-assisted therapies, non-surgical and surgical treatments, and advanced peri-implant care protocols.

Through lectures, clinical case reviews, and interactive sessions, participants will not only gain a deep understanding of periodontal and peri-implant diseases, laser-tissue interactions, and minimally invasive treatment procedures, but also develop the confidence to apply these techniques in their practice. The program places a strong emphasis on the practical application of these techniques, particularly through the use of TwinLight® and SWEEPS® technologies.

Objectives

- Understand Periodontal and Peri-implant Diseases: Gain a solid foundation in the principles of periodontal and peri-implant disease etiology, pathogenesis, and classification.
- Understand Non-Surgical and Surgical Treatments in the Field of Periodontology: key techniques such as scaling, root planning, and adjunctive therapies for managing periodontal and peri-implant conditions.
- Deepen Knowledge of Laser-Assisted Procedures: Learn the mechanisms of laser-tissue interaction, TwinLight® Periodontal and Peri-implant Therapy, and laser-assisted soft tissue management to improve clinical outcomes.
- Implement Advanced Techniques: Incorporate adjunctive therapies like SWEEPS® cleaning and post-extraction ridge preservation into daily practice.
- Enhance Hands-On Skills: Participate in practical, hands-on training sessions using Er: YAG and Nd: YAG laser technologies for ablation, disinfection, and coagulation.

All participating principal lecturers are certified Lecturers of the Laser and Health Academy.

The **Laser and Health Academy** is an independent institution developed and founded with Fotona's support to advance medical, technical, and scientific knowledge in lasers and their application in medicine and dentistry. It serves as a platform for exchanging and disseminating scientific knowledge among peers and promoting evidence-based laser medicine and dentistry among practitioners and the public.

The Academy's key activities focus on practical instruction and demonstration of laser techniques and procedures. These are delivered through various workshops, seminars, and specialized events at the Laser and Health Academy's training and demonstration facility or on-site at the Laser and Health Academy Lecturers' surgeries and clinics.

Visit www.laserandhealth.com for more information about the Academy's activities and the use of lasers in medicine and dentistry.



Preliminary Schedule & Curriculum

Day 1: Friday, February 14th	
Lecturers: see below	
Location: LA&HA Institute, Ljubljana, Slovenia	
9:00 AM – 10:00 AM	Introduction to Periodontal and Peri-implant Diseases <ul style="list-style-type: none">• Basic principles• Etiology and pathogenesis• Diagnosis and classification <i>Prof. Dr. Boris Gašpirc, DMD, PhD</i>
10:00 AM – 11:00 AM	Non-Surgical and Surgical Periodontal and Peri-Implant Therapy <ul style="list-style-type: none">• Scaling and root planning• Adjunctive therapies• Common surgical procedures <i>Prof. Dr. Boris Gašpirc, DMD, PhD</i>
11:00 AM – 11:30 AM	Coffee break
11:30 AM – 1:00 PM	Laser - Tissue Interaction <ul style="list-style-type: none">• Basic principles of laser physics• Mechanism of laser-tissue interaction <i>Dr. Ilay Maden BDS, MSc, PhD</i>
1:00 PM – 2:00 PM	Lunch and debate
2:00 PM – 3:00 PM	TwinLight® Periodontal Therapy <ul style="list-style-type: none">• Basic principles, protocol• Literature review• Clinical cases (video presentations) <i>Dr. Ilay Maden BDS, MSc, PhD</i>
3:00 PM – 3:30 PM	Adjunctive Therapies: SWEEPS® Cleaning <ul style="list-style-type: none">• Basic principles of Er: YAG photoacoustic irrigation• Introduction of SWEEPS® cleaning to periodontal and peri-implant therapies <i>Dr. Ilay Maden BDS, MSc, PhD</i>
3:30 PM – 4:00 PM	Post Extraction Ridge Preservation <i>Dr. Ilay Maden BDS, MSc, PhD</i>
4.00 PM – 4:30 PM	Q&A
7:00 PM – 9:00 PM	Dinner in Ljubljana city center

Day 1: Saturday, February 15thLecturers: *see below*

Location: LA&HA Institute, Ljubljana, Slovenia

9:00 AM – 10:00 AM	TwinLight® Peri-implant Therapy <ul style="list-style-type: none">• Basic principles, protocol• Literature review• Clinical cases (video presentations) <i>Dr. David Dovšak, MD, spec. surgeon</i>
10:00 AM – 11:00 AM	Laser-Assisted Soft Tissue & Oral Lesions Management <ul style="list-style-type: none">• Frenectomy, frenotomy• Gingivectomy, gingivoplasty, aesthetic recontouring• Osseous crown lengthening• Vascular lesions• Lesions removal (including aphthae and herpes) <i>Dr. David Dovšak, MD, spec. surgeon</i>
11:00 AM – 11:30 AM	Coffee break
11:30 AM – 1:00 PM	Hands-on <ul style="list-style-type: none">• Er:YAG and Nd:YAG ablation, coagulation, disinfection• Working principles of contact/non-contact Er:YAG and activated/nonactivated Nd:YAG fiber• Gingivectomy, gingivoplasty, aesthetic recontouring• Osseous crown lengthening <i>Dr. Ilay Maden BDS, MSc, PhD, and Dr. David Dovšak, MD, spec. surgeon</i>
1:00 PM – 2:00 PM	Lunch and debate
2:00 PM – 3:30 PM	Hands-on <ul style="list-style-type: none">• TwinLight® periodontal therapy• TwinLight® peri-implant therapy• SWEEPS® cleaning• Post extraction ridge preservation <i>Dr. Ilay Maden BDS, MSc, PhD</i>
3:30 PM – 4:00 PM	Discussion and Farewell

Lecturers



Asst. Prof. Dr. Boris Gašpirc, DMD, MSc, PhD

Prof. Gašpirc, a distinguished expert in periodontology, earned a Diploma from the University of Ljubljana's Medical Faculty in Slovenia in 1988. Further advancing his academic career, he completed his Master's degree at the same institution on February 7, 1997, with a thesis titled, "Structure and Permeability of Dental Cement after Irradiation with Nd: YAG and Er: YAG Lasers." He obtained his PhD in 2007 (University of Ljubljana) focusing on the topic "The Effect of Using Erbium Laser on the Success of Surgical Treatment of Periodontal Disease in Humans."

Since 2014, prof. Gašpirc serves as the Head of the Department of Oral Diseases and Periodontology at the Medical Faculty, and President of the Slovenian Society of Periodontology. His primary research areas include the study of laser treatment mechanisms for periodontal disease, laser treatment of periimplantitis, and the role of nitric oxide (NO) in the pathogenesis of periodontal disease.



Dr. Ilay Maden BDS, MSc, PhD, Perio. Spec.

Dr. Ilay Maden studied dentistry and completed his PhD in periodontology at the University of Istanbul, Turkey. He also received a MSc degree in Lasers in Dentistry from Aachen University, Germany in 2007 before moving to the UK in 2016.

Dr. Maden is a lecturer for the Lasers in Dentistry MSc programs at the Aachen Dental Laser Centre at Sigmund-Freund University in Austria and the Università Cattolica del Sacro Cuore International, Rome, Italy, in addition to being a Faculty Expert at the Masters' Program at the Laser and Health Academy. After practicing mainly periodontology and implantology for 15 years as an associate at several private practices in Istanbul and the

UK, he is now based and practices in London.

Dr. Maden has led many theoretical and hands-on courses teaching laser dentistry around the world and has been a speaker at numerous international congresses on lasers in the last decade. He is a member of the International Society of Laser Dentistry, the British Medical Laser Association, the European Federation of Periodontology, the European Academy of Osseointegration, the Turkish Dental Association, the European Federation of Periodontology, the Turkish Periodontology Association and more.



Dr. David Dovšak, MD, Maxillofacial surgeon

David Dovšak, M.D., Specialist Surgeon Dr. David Dovsak is a graduate of the Faculty of Medicine in Ljubljana, Slovenia. He subsequently became a resident at the Ljubljana University Medical Center's Department of Oral and Maxillofacial Surgery. In 2001 he concluded his residency to become a Specialist Maxillofacial Surgeon; he also became head of the Oncology Division at the Department of Oral and Maxillofacial Surgery. As a member of several domestic and international professional organizations, Dr. Dovsak

is a noted lecturer and author on topics related to the latest advances in laser and maxillofacial surgery. His main scope of interest lies in oral and oropharyngeal tumors and reconstructive surgery of the head and neck.

Fees and Conditions

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Price: 1.800,00 EUR (+22% VAT)

Registrations will close 4 weeks before the start of the workshop. To maintain the educational quality of the workshop, the number of participants is limited. Registrations are accepted on a first-come, first-served basis.

Please arrange transportation and hotel bookings ONLY after receipt of confirmation.

Fotona cannot be held liable for cancellation fees or travel arrangements.

We will send you the confirmation of your registration and participation at least two weeks before the start of each workshop.

Cancellation Policy: 50% of registration fees will be charged if cancellation takes place up to 14 days before the start of the workshop. 100% of the total amount will be charged if you notify us about your cancellation less than 14 days before the beginning of the workshop.

Notice of cancellation must be made in writing (email) to Fotona. The date of receipt (email) will serve as the basis for refunds.

Contact Information

Laser Medicine Education Coordinator

Nudžejma Kitanović

trainings@fotona.com

Fotona Headquarters

info@fotona.com

T: +386 1 5009 100

Places to stay

Ljubljana has many accommodations to suit everybody's tastes, needs, and budgets. The following hotels are particularly popular with our workshop participants and are recommended by us. You can find a broader selection of accommodations on www.visitljubljana.si.



Pleasant and modern hotel just minutes' walk from the city center.



The Eurostars Hotel Company in Ljubljana features three hotels with different concepts, all on a top location in the city center of Ljubljana, Slovenia.

Since 1964 **Fotona** has been a pioneering laser technology company. Our laser systems result from over 60 years of experience, know-how, and expertise in medicine, communications, and industry. When you choose Fotona, you choose the world's highest-performance, best-made laser systems.



Ljubljana is considered a city that suits everyone, from its inhabitants to its numerous visitors. It maintains a small town's friendliness and possesses all the characteristics of a more significant metropolis.

Due to its geographical position, Ljubljana also represents an ideal starting point to discover Slovenia's amazingly diverse features and beauty.

www.ljubljana-tourism.si



Slovenia lies at the heart of Europe, where the Alps and the Mediterranean meet the Pannonian plains and the mysterious Karst. Slovenia is a great tourist destination as a small, beautiful, and picturesque country.

www.slovenia.info

