

# LA&HA Institute

**Dedicated to Research & Education  
on the Medical Power of Light**

- Aesthetics & Dermatology
- Surgery
- Gynecology
- Dentistry

## **ENDODONTIC WORKSHOP MASTERING MODERN ENDODONTICS**

**Location:**

LA&HA Institute  
(Ljubljana, Slovenia)

**Date:**

1-3 February 2024

  
years of innovation

## Overview

This Endodontic workshop is designed to help general dentists gain confidence in performing simple endodontic treatments, move a step toward moderately challenging cases, and for endodontic specialists be updated with new modern techniques in this field, especially laser-assisted endodontics.

The three-day workshop involves step-by-step theoretical presentations of procedures, followed by a hands-on workshop on extracted teeth and real clinical cases.

## Learning Objectives

- Diagnosis, anamnesis, and case selection
- Clinical anatomy, locating root canals.
- Negotiating and shaping
- Root canal irrigation
- Canal obturation

All participating principal lecturers are certified Expert Clinical 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](http://www.laserandhealth.com) for more information about the Academy's activities and the use of lasers in medicine and dentistry.



## Preliminary Schedule

<b>Day 1</b> <b>Lecturers:</b> Dr. Tomaž Hitij, Slovenia; Dr. Igor Križnar, Slovenia <b>Locations:</b> LA&HA Institute (Ljubljana, Slovenia)	
8:30 – 9:00	Welcome with morning coffee.
9:00 – 10:00	Diagnostics, anamnesis, clinical diagnosis (vitality tests, specificity / sensitivity), RCT (periapical and CBCT & CBCT indications according to AAE) <i>Dr. Igor Križnar</i>
10:00 – 10:30	Anatomy (regular anatomy, multiple roots, multiple canals) <i>Dr. Tomaž Hitij</i>
10:30 – 11:00	Clinical anatomy (access preparation, percentage of canal surface instrumentation, apical dimension, oval canals, danger zone, striping, FR) <i>Dr. Tomaž Hitij</i>
11:00 – 11:30	Coffee break
11:30 – 12:00	Q&A Discussion
12:00 – 13:00	Mechanical shaping - shaping systems presentation – metallurgy, shapes, movement, generations, principles of implementation of mechanical shaping. <i>Dr. Igor Križnar and Dr. Tomaž Hitij</i>
13:00 – 14:00	<b>Lunch</b>
14:00 – 16:00	Hands on rotary instrumentation <i>Dr. Igor Križnar and Dr. Tomaž Hitij</i>

## Day 2

**Lecturers:** Dr. Tomaž Hitij, Slovenia; Dr. Igor Križnar, Slovenia; Dr. Roeland De Moor, Belgium

**Locations:** LA&HA Institute (Ljubljana, Slovenia)

9:00 – 10:00	Root canal irrigation (irrigants, different irrigation techniques, pro and cons, canal preparation sizes for irrigation, LAI) <i>Dr. Igor Križnar or Dr. Tomaž Hitij</i>
10:00 – 11:00	Canal obturation (short presentation of different methods and materials) <i>Dr. Igor Križnar</i>
11:00 – 13:00	Hands on irrigation and obturation techniques <i>Dr. Igor Križnar, Dr. Tomaž Hitij, Dr. Roeland De Moor</i>
13:00 – 14:30	<b>Fotona Tour and Lunch</b>
14:30 – 15:30	Evolution of LAI <i>Dr. Roeland De Moor</i>
15:30 – 16:30	Er: YAG photoacoustic irrigation: SSP and SWEEPS <i>Dr. Roeland De Moor</i>
16:30 – 17:00	Coffee break
17:00 – 18:00	Latest research review on SSP and SWEEPS <i>Dr. Roeland De Moor</i>
19:00 – 22:00	Dinner at the Ljubljana Castle

**Day 3****Lecturers:** Dr. Tomaž Hitij, Slovenia; Dr. Igor Križnar, Slovenia**Locations:** Križaj Clinic (private practice Muljava, Slovenia)

9:15	Transport to the Križaj clinic
10:00 – 11:00	<i>Clinical guidelines for SWEEPS: tips and tricks</i> <i>Dr. Tomaž Hitij</i>
11:00 - 13:00	Practicum at the Križaj clinic – demonstration of work and system ergonomics with live clinical case <i>Dr. Tomaž Hitij and Dr. Igor Križnar</i>
13.00 – 15:00	<b>Lunch</b>
15:00 – 16:30	Practicum at the Križaj clinic – demonstration of work and system ergonomics with live clinical case <i>Dr. Tomaž Hitij and Dr. Igor Križnar</i>
16:30 – 17:00	Final discussion and program conclusion
17:00 – 18:00	Transport to Ljubljana

### **Dr. Igor Križnar, DMD, MSc, PhD**



Dr. Igor Križnar graduated in 2006 from the Faculty of Medicine in Ljubljana, Slovenia, and began working as an Assistant at the Faculty of Medicine, Department of Endodontics and Operative Dentistry. He acquired the professional title of Dental Specialist in Endodontics in 2014. Until the end of 2015, he worked as an Assistant at the Faculty of Medicine, working with dentistry students in clinical and pre-clinical practice. At the same time, he worked as a Dental Specialist at the University Medical Center in Ljubljana. He was also engaged in research work and earned his Ph.D. in endodontics from the Faculty of Medicine in Ljubljana in 2016. In December 2015, he entered full-time private clinical practice, focusing mainly on endodontics. Dr. Križnar has published numerous scientific papers in various journals and has actively participated in many international and local conferences and symposia. In 2019 Dr. Križnar graduated from the LA&HA Master in Laser Dentistry program.

### **Dr. Tomaž Hitij, DMD, MSc, PhD, Cert Endo**



Tomaž Hitij graduated from the Faculty of Medicine in Ljubljana in 2008. Since 2010, he has been working at the Department of Dental Diseases and Dental Morphology, Faculty of Medicine, University of Ljubljana, where he conducts preclinical and clinical courses. His research fields are dental materials, dental morphology, acupuncture, orofacial pain, and lasers in dentistry. He completed his specialization in dental diseases and endodontics in 2016. He is the author of numerous scientific articles in international foreign journals and numerous popular and scientific articles in Slovenian magazines and periodicals. He is also the author of four books. His field of research also extends to the field of paleontology, which has been his hobby for many years. He is a regular lecturer and participant in domestic and foreign dental meetings and courses. He also works in two private dental clinics treating referred patients for endodontic treatment and patients with orofacial pain. In his clinical work, he uses the latest technologies and techniques.

### **Prof. Dr. Roeland J. G. De Moor, DDS, PhD, MSc**



Prof. Dr. Roeland J. G. De Moor is head of the Department of Restorative Dentistry and Endodontics, former Dean of the Dental School, and currently Head of the Dental Clinic at the Ghent University Hospital in Belgium. He is also the program director of the 3-year specialization program in Endodontics at Ghent University and founder of the Ghent Dental Laser Center and the Ghent Dental Photonics Research Cluster. He is an international lecturer in Laser Dentistry and Endodontics and author/co-author of more than 150 peer-reviewed international and national publications (mostly on endodontic and laser subjects). Prof. Dr. De Moor is a founding member of BAET (Belgian Association for Endodontics and Traumatology) and the First World Congress of Microdentistry.

## Fees and Conditions

### **Endodontic workshop - Modern principles of endodontic treatment**

Price: 1.500,00 EUR (+22% VAT)

To maintain the educational quality of the workshop, the number of participants is limited. Registrations are accepted on a first-come, first-served basis.

Confirmation of your registration and participation will be sent to you two weeks before the start of each workshop.

**The number of participants is limited. Please arrange flight and hotel bookings ONLY after receipt of confirmation.** Check other travel requirements, particularly visa requirements, before traveling to Slovenia. Fotona cannot be held liable for any cancellation fees for travel arrangements.

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 your 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

**Workshop coordinator**  
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## 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](http://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 55 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](http://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](http://www.slovenia.info)







