

# LA&HA Institute

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

- Aesthetics & Dermatology
- Surgery
- Gynecology
- Dentistry

## **ENDODONTIC WORKSHOP** **MASTERING MODERN ENDODONTICS**

**Locations:**

- LA&HA Institute  
(Ljubljana, Slovenia)

- Klinika Križaj  
(Private practice in Muljava, Slovenia)

**Date:**

October 20<sup>th</sup> - 22<sup>nd</sup>, 2022

## Overview

This Endodontic workshop is designed to help general dentists gain confidence in performing simple endodontic treatments and to move a step forward towards moderately challenging cases, as well as for endodontic specialists to 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 as well as 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 principle 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, with the aim to advance medical, technical and scientific knowledge in the field of Lasers and their application in Medicine and Dentistry. It serves as a platform for exchange and dissemination of scientific knowledge among peers and to promote evidence-based laser medicine and dentistry among practitioners and the general public.

The Academy's key activities center on practical instruction and demonstration of laser techniques and procedures. These are delivered through a variety of workshops, seminars and specialized events either at the Laser and Health Academy's own 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 more on the use of lasers in medicine and dentistry.



## Preliminary Schedule

<b>Date: October 20<sup>th</sup> 2022</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 – 14:30	<b>Lunch and Fotona Tour</b>
14:30 – 16:30	Hands on rotary instrumentation <i>Dr. Igor Križnar and Dr. Tomaž Hitij</i>

<b>Date: October 21<sup>st</sup>, 2022</b> <b>Lecturers:</b> Dr. Tomaž Hitij, Slovenia; Dr. Igor Križnar, Slovenia; Dr. Roeland De Moor, Belgium <b>Locations:</b> 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 – 14:00	<b>Lunch</b>
14:00 – 15:00	Evolution of LAI <i>Dr. Roeland De Moor</i>
15:00 – 16:00	Er:YAG photoacoustic irrigation: SSP and SWEEPS <i>Dr. Roeland De Moor</i>
16:00 – 17:00	Latest research review on SSP and SWEEPS <i>Dr. Roeland De Moor</i>
19:00 – 22:00	Dinner at the Ljubljana Castle

**Date: October 22<sup>nd</sup>, 2022**

**Lecturers:** see below

**Locations:** LA&HA Institute (Ljubljana, Slovenia), Klinika Križaj (private practice in Muljava, Slovenia)

9:00 – 10:00	<i>Clinical guidelines for SWEEPS: tips and tricks</i> <i>Dr. Tomaž Hitij</i>
10:00 – 12:00	Transport to the Križaj clinic
12:00 - 13:30	Practicum at the Križaj clinic – demonstration of work and system ergonomics with live clinical case <i>Dr. Tomaž Hitij and Dr. Igor Križnar</i>
13.30 – 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, where he was engaged in work with students of dentistry 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 PhD in endodontics from the Faculty of Medicine in Ljubljana in 2016. In December 2015 he entered into 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 fields of research are dental materials, dental morphology, acupuncture, orofacial pain, and lasers in dentistry. He completed his specialization of dental diseases and endodontics in 2016. He is an author of numerous scientific articles in international foreign journals and numerous popular and scientific articles in Slovenian magazines and scientific journals. He is also an 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) as well as a founding member of 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 before the start of the workshop. Please arrange flight and hotel bookings ONLY after receipt of confirmation. Check other travel requirements, in particular visa requirements, well in advance of your travel 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 start 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**

Špela Breznik

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### **Fotona headquarters**

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## Places to stay

Ljubljana has a wide range of accommodation offerings to suite everybody's taste, needs and budget. The following hotels are particularly popular with our workshop participants and are recommended by us. A wider selection of accommodations can be found on [www.visitljubljana.si](http://www.visitljubljana.si).



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



The Union Hotels Collection features [five 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 are the result of over 55 years of experience, know-how and expertise in the fields of medicine, communications, and industry. When you choose Fotona, you choose the highest performance, best-made laser systems in the world.



**Ljubljana** is considered a city which suits everyone from its inhabitants to its numerous visitors. It maintains the friendliness of a small town and at the same time possesses all the characteristics of a larger metropolis.



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

[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. As a small, beautiful and picturesque country, Slovenia makes a great tourist destination.

[www.slovenia.info](http://www.slovenia.info)

