

International days

Lasers in endodontics

A New Era in non-surgical
and surgical treatment



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Training for
general practitioners

Program 2025 |  Paris



Dr. Mohamed Fayad



Dr. Giovanni Olivi

Lasers in Endodontics

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Location

Paris, from June 6. to 7. 2025

Objectives

Dental lasers are becoming more popular everyday. The technology has been improved and the photo-thermal effect of dental lasers is controlled by very short emitted pulses reducing the thermal damage to dental tissues.

Dental lasers can be used as complementary devices to complete many daily procedures in all the fields of dentistry due to their antibacterial, coagulating and biomodulating effects. Alternatively dental lasers can completely substitute conventional instruments in hard and soft tissues procedures. In Endodontics the lasers can work as photothermal antibacterial device or as a strong activator of the irrigants. The course will emphasize the advantages of SWEEPS technology over the others and will analyze step by step, all the non-surgical

and surgical procedures in Endodontics where Erbium and Neodimium YAG laser technology represents the most effective tool for cleansing and disinfecting the root canal system, as well as for soft and hard tissue surgical procedures.

At the end of the workshop participants should be able to:

1. Understand the basic laser physics as well as different laser tissue interactions, that includes procedures from cavity preparation and root canal filler vaporization (re-treatment).
2. Understand the mechanism of Laser Activated Irrigation in Endodontics.
3. Understand the different SWEEPS approach in vital and necrotic teeth as well as in re-treatment cases.
4. Understand a variety of innovative soft tissue procedures as laser guided incisions for apicoectomies, soft tissue management in invasive cervical resorptive defect and photobiomodulation (to accelerate healing and reduce postoperative pain and swelling).

Course program

Day 1

June, 6. 2025

8:30 – 9:00	●	Breakfast and check-in
9:00 – 9:15	●	Welcome and introduction
9:15 – 10:30	●	Lasers for hard and soft tissue application
10:30 – 10:45	●	Break
10:45 – 12:15	●	The physics and evolution of laser assisted irrigation (LAI)
12:15 – 1:00	●	Demonstration of different modes of laser assisted irrigation
1:00 – 2:00	●	Lunch
2:00 – 3:00	●	Advantages of SWEEPS irrigation in Endodontics
3:00 – 4:30	●	Hands on irrigation on 3-D models and extracted teeth
4:30 – 5:00	●	Wrap up and Q&A session

Program

Day 2

June, 7. 2025



8:30 – 9:00	●	Breakfast and check-in
9:00 – 9:15	●	Welcome and Review of Day 1
9:15 – 10:30	●	Laser protocols for vital, necrotic and secondary treatment
10:30 – 10:45	●	Break
10:45 – 1:00	●	The physics and evolution of laser in hard and soft tissue surgery
1:00 – 2:00	●	Lunch
2:00 – 3:00	●	Laser endo surgery applications
3:00 – 4:30	●	Hands on lasers application in endo-surgical procedures that will include guttapercha removal, flap assisted surgery and osteotomies and root resection
4:30 – 5:00	●	Wrap up and Q&A session



Speaker

Dr. Mohamed Fayad

Dr. Fayad received his DDS in 1985 from the College of Dentistry, Cairo University. Dr. Fayad received his Master's in Oral Sciences in 1994 from the University of Buffalo at New York. He received his PhD in 1996 as a joint supervision between University of Buffalo at New York and Cairo University. He received his Endodontic training at the college of Dentistry at UIC.

Currently he is the director of endodontic research, and a clinical associate professor in the Endodontic department at College of Dentistry at UIC, dividing his time between teaching, research, intra- and extra-mural continuing education and private practice. Dr. Fayad co-chaired AAE/AAOMR committee drafting the joint position statement on CBCT (2015).

He has numerous publications and chapters in peer reviewed journals and textbooks. He is the co-editor of the CBCT text book (3-D Imaging in Endodontics: A new Era in diagnosis and treatment) by Springer (2016 and 2023). He is a recipient of the Calvin D. Torneck Part-Time Educator Award for 2022 by the American Association of Endodontists. He is a Diplomate of the American Board of Endodontics and gave numerous presentations nationally and internationally.



Speaker

Giovanni Olivi

Giovanni Olivi is native of Rome, Italy where He received cum laude his degree in Medicine and Surgery (MD) at “La Sapienza” University of Rome, and specialized cum laude in Dentistry (DDS) at “Tor Vergata” University of Rome. In 2000, Giovanni developed a deep interest in the cutting edge technologies, especially the operative microscope and laser. In 2002 He achieved the postgraduated diploma in “Laser Dentistry” at University of Florence, and started his international education achieving the certification from International Society of Laser Dentistry (ISLD) in 2004, the Advanced Proficiency from ALD in 2006 and the Master status, always from ALD in 2009. In 2007 Giovanni has been awarded from Academy of Laser Dentistry with the prestigious “Leon Goldman Award” for clinical excellence, and in 2024 his dedication to dental laser research has been recognized and awarded with the “Theodore Maiman Award”.

From 2016 to date He is the Scientific Coordinator of the “Laser Dentistry” Master at Catholic University of Sacred Heart of Rome. Active Member (Endodontist) of Italian Society of Endodontics (SIE) and Italian Academy of Endodontics (AIE), Giovanni authored more than 82 scientific peer-reviewed articles, 6 text-books and several chapters in different dental books.

Registration

First/Last name _____ Cellphone _____
Mail _____ RPPS N° _____
E-mail _____

Rules & conditions

Lasers in Endodontics: A New Era in non-surgical and surgical treatment (2 full days)
Lunch & Catering included

€1'900.-

Checks

À l'ordre de "Endosophie Génération"

To send the fees:

Mme Annabelle Torvic
1 Rue des Arums
24750 Trélissac

Please send all your checks at once.
(Note the dates on the back)

Cancellation policy:

3 months: free of charge
2 months: 30% of cost
1 month: 70% of cost
15 days prior first course: 100% due

In case of cancellation by Endosophie,
100% of costs refunded.

Wire transfer

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Registrations & secretary

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