

LASER DENTISTRY SERIES 2026

DAY 1

FOUNDATIONAL LASER CERTIFICATION COURSE

Date

28 March 2026, Saturday

Time

9:00AM - 5:00PM

Venue

Pico Creative Centre
20 Kallang Avenue, Singapore

CPE Points

6 Points



DAY 2

SPECIALISED MICROSCOPY WORKSHOP ON ADVANCED LASER APPLICATIONS FOR PERIODONTITIS AND PERI-IMPLANTITIS

Date

29 March 2026, Sunday

Time

9:00AM - 5:00PM

Venue

Pico Creative Centre
20 Kallang Avenue, Singapore

CPE Points

6 Points



Day 1

Foundational Laser Certification Course

Overview

Hands-on workshop that provides attendees with essential understanding of laser physics, laser-tissue interactions, and characteristics of various laser wavelengths utilised in dentistry for hard and soft tissue treatment, important laser safety knowledge and laser regulation in Singapore. General discussion and comparison of various laser dental applications from basic to advanced treatments using diodes and hard tissue laser will be conducted before hands-on session.

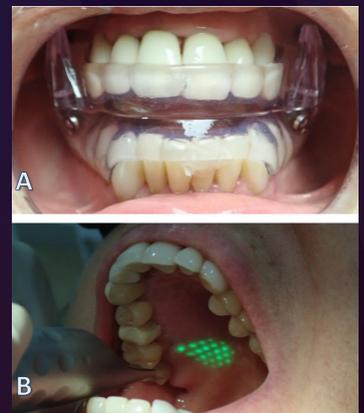
The hands-on session will allow dentists to experience how different wavelengths interact on pig jaws. The wavelengths available for this exercise are 450 nm, 650 nm, 810 nm, 980 nm, Er:YAG 2940 nm, Nd:YAG 1064 nm. **Please bring some disinfected extracted teeth for the cavity preparation exercise.**

The course aims at providing dentists who are new to lasers a good understanding of the capabilities and limitations of common laser wavelengths in dentistry. The knowledge will assist your decision on the right choice of laser purchase for your practice. For existing diodes and hard tissue laser users, this presentation may help you to discover more treatment potentials that you have not attempted, essentially making an impact on your career path and expanding your business horizons.

*Certification will be provided at the end of the course, signed by **Dr Linhlan Nguyen**, a Certified Laser and Health Academy International Expert Lecturer

Objectives

- Essential laser physics for dentistry
- Laser – Tissue interactions
- Clinical Applications for soft & hard tissues in everyday general dentistry and surgeries, indications, contraindications and limitations
- Integrative Laser Therapy in Dental Sleep Medicine, NightLase®
- Multi-wavelength laser, the LightWalker and its role in Dento-Facial Aesthetics
- Lasers in healing promotion and pain management in myofascial pain and orthodontics



COURSE DIRECTOR



DR LINHLAN NGUYEN

BDS (USYD) FICOI FIADFE (New York)
 Master in Laser Dentistry (LA&HA Slovenia)
 MSc Laser Dentistry (UCSC - Italy)
 Dip Ortho and Dentofacial Orthopaedics (UJI - Spain)
 Grad. Dip. Dermal Science (AACDS - Australia)

Dr Linhlan Nguyen is a General Dental Practitioner based in Canberra, Australia, with a specialised focus on dentofacial aesthetics and laser-assisted dentistry. She earned her Bachelor of Dental Surgery from the University of Sydney in 1996.

In 2017, she completed a Master in Laser Dentistry at the Laser and Health Academy and later achieved a Post-Graduate Master's in Laser Dentistry from the Università Cattolica del Sacro Cuore in 2020.

Dr Nguyen has been a Fellow of the International Congress of Oral Implantologists since 2015 and the International Academy for Dental-Facial Esthetics since 2016. She is also a Laser Therapist and earned her Graduate Diploma in Dermal Science in 2023.



Day 2

Specialised Microscopy Workshop on Advanced Laser Applications

Synopsis

The TwinLight® protocol represents a state-of-the-art, minimally invasive laser-assisted approach for the management of periodontitis and peri-implantitis. It synergistically combines two complementary wavelengths—Nd:YAG and Er:YAG—to achieve comprehensive tissue decontamination, biofilm removal, and biostimulation.

The Nd:YAG laser penetrates deeply into the periodontal pocket to selectively remove diseased epithelium, reduce bacterial load, and promote coagulation and biorepair. The Er:YAG laser then precisely removes microbial biofilm and calculus from root or implant surfaces with minimal thermal effect, optimizing the surface for reattachment and regeneration.

A key advancement within this protocol is the integration of AutoSWEEPS photoacoustic irrigation. Unlike direct laser ablation, this Er:YAG-based modality generates cavitation bubbles in the irrigating fluid. The implosion of these bubbles produces shockwaves and rapid fluid motion, dislodging and disrupting biofilm even in areas beyond the laser's line of sight. This enables three-dimensional decontamination of deep pockets, furcations, and implant threads—offering an unparalleled level of non-contact cleansing and minimally invasive healing.

Further enhancing this approach is the integration of Zeiss dental microscopy, which elevates precision and clinical insight in laser dentistry. Through advanced magnification and coaxial illumination, the microscope allows clinicians to visualize microanatomy, calculus deposits, tissue texture, and laser impact zones with exceptional clarity. This enhanced visualization not only refines the accuracy of periodontal and peri-implant procedures, but also deepens understanding of biofilm behavior and tissue response—strengthening the scientific foundation of minimally invasive care.

Together, the TwinLight® and AutoSWEEPS technologies, when paired with Zeiss microscopy, represent a new level of precision, predictability, and tissue preservation in modern laser dentistry.

Attending this workshop is essential for clinicians seeking to master advanced, microscope-assisted laser protocols. Participants will gain hands-on experience with the TwinLight® sequence, harness AutoSWEEPS photoacoustic cavitation, and appreciate how microscopic visualization transforms diagnosis, technique, and treatment outcomes in both periodontal and peri-implant therapy.

STEP 1



Removal of the soft-granulation tissue with Er:YAG in LP mode

STEP 2



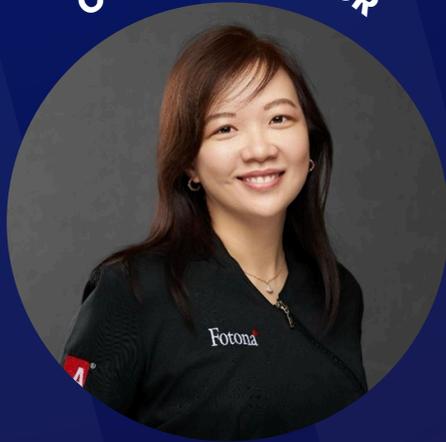
Removal of the bacterial biofilm on the implant surfaces with Er:YAG

STEP 3



Bacterial reduction and biostimulation of the bone tissue with Nd:YAG

COURSE DIRECTOR



DR PHANG HUI JING

BDS (Singapore)

The Toothbar Dental Singapore, Founder & Clinical Director
Certified Lecturer of Laser and Health Academy

Dr Phang Hui Jing graduated as Valedictorian from the National University of Singapore, awarded with the University Silver Medal, Terrel Silver Medal, Tratman Medal and SDA Book Prize, and was placed on the Dean's List.

Dr Phang started her career as a dental surgeon in a public hospital treating patients requiring complex multidisciplinary medical and dental attention. After hospital practice, Dr Phang joined a leading family dental care practice, with strong emphasis on innovative dental technology, lasers and aesthetics. Dr Phang completed her advanced training in **Laser Dentistry at the Laser and Health Academy**. She is the first in Singapore to finish a comprehensive laser training course in Slovenia.

Dr Phang is currently pursuing a Master of Science at the Catholic University of the Sacred Heart in Rome.

Dr Gordon Tam is part of a new generation of dentists redefining what modern dentistry looks like. Based in Singapore, he combines advanced technology, refined technique, and design-level precision to deliver dentistry that's both scientifically sound and aesthetically elevated.

A passionate advocate for microscopic dentistry, Dr Tam believes true mastery begins when you can see what others can't. His mission is to help young dentists bridge the gap between everyday dentistry and world-class clinical work--through vision, precision, and mindset.

In his teaching, Dr Tam shares practical, real-world systems that transform how dentists see, think, and operate--empowering them to build confidence, consistency, and long-term value in their careers.

COURSE DIRECTOR



DR GORDON TAM

BDS (Singapore)

DAY 1

FOUNDATIONAL LASER
CERTIFICATION COURSE

\$1,350

DAY 2

SPECIALISED MICROSCOPY
WORKSHOP ON ADVANCED
LASER APPLICATIONS

limited to 15 seats

\$1,750

**SPECIAL
BUNDLE
OFFER**

Attend both days and get an
additional **\$100** off the Day 1 fee.



Scan QR code to
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REGISTER NOW

Refund: A participant can decide to withdraw from a course at least 7 days of notice prior to the commencement date. Refund will take 1-2 weeks. No full refund will be issued if the participant fails to notice Royce Dental Academy in less than 7 working days before the commencement date.

Disclaimer: Royce Dental Academy reserves the right to cancel, postpone, or modify the announced course content, limit enrolment, or change the location, time, date, or speaker due to unforeseen circumstances. We will notify participants within 3 working days upon knowledge of any changes or termination of the course.