



Training is the key to success in laser dentistry.
Learn how to excel in the use of your laser.

Dr. Swick puts tech and training on equal footing
in his advanced approach to standard proficiency.

Helios Laser Standard Proficiency

The Standard for Laser Dentistry

The Helios Laser Standard Proficiency course meets or exceeds Academy of Laser Dentistry guidelines to provide the basic level of education in laser dentistry.

HLSP is tailored to Helios practitioners, those having taken Helios Laser Initial Certification training. HLSP addresses the practitioner who desires full working proficiency in laser dentistry.

During the one-day class, lecture covers all ALD standard proficiency points regarding laser operation and the diagnosis and treatment of soft tissue disease. Hands-on exercises include demonstration and clinical simulation with appropriate oral tissues. In addition, practitioners present a previously-completed case study on a common soft tissue procedure.

Throughout the day, practitioners have chance to demonstrate competency in written examination, clinical simulation and case study presentation.

The case study/training approach makes HLSP the most reasonably priced and efficient means to Standard Proficiency in laser dentistry.

HLSP offers 7 CE credit hours through Dental AIM (AGD/CERP-recognized).

Entering HLSP requires prior completion of the Helios Laser HL5 Initial Certification course (7 CE hours). Total HLSP CE hours (14) exceed that required for ALD SP Certification (12).

The Academy of Laser Dentistry recognizes Helios Laser Standard Proficiency certification when the practitioner successfully completes the ALD online Standard Proficiency examination.



Dr. Michael D. Swick is a general dentist with offices in Allison Park and Conneaut Lake, PA.

Amidst performing hundreds of laser procedures per year, Dr. Swick has presented more than 350 lectures to over 10,000 dental professionals.

Dr. Swick's ALD credentials:
2000 Advanced Proficiency, 980nm
2001 Advanced Proficiency, 2940nm
2001 Recognized Course Provider
2003 Research/Education Committees
2009 Mastership status

Dr. Swick holds honors in surgical medicine:
Diplomat: American Board of Laser Surgery
Certification: St. Luke's Medical Center in the Pinero Pre-cardiac Surgery Protocol with lasers.
Former Fellow: American Society for Laser Medicine and Surgery.

Dr. Swick has presented papers for:
Academy of Laser Dentistry
American Society for Laser Medicine and Surgery
European Society for Oral Laser Applications
International Society for Lasers in Dentistry
International Society for Optical Engineering



HELIOS
LASER INC



Training is the key to success in laser dentistry.
Learn how to excel in the use of your laser.

Dr. Swick puts tech and training on equal footing
in his advanced approach to standard proficiency.

Helios Laser Standard Proficiency

The Standard for Laser Dentistry

Lecture Topics

Introduction to Laser Standard Proficiency

Dental Laser Fundamentals

- laser light production
- electromagnetic spectrum
- laser light characteristics
- emission modes
- beam delivery systems

Laser-Tissue Interaction

- soft tissue chromophores
- absorption, reflection, transmission, scatter
- thermal conductivity and tissue effect
- vaporization/ablation and
- hemostasis/coagulation

Fluence

- beam power density physics
- optimizing fluence for desired tissue effect
- pulse modes, preset and adjustable

Applied Technology Review

- laser types and device characteristics
- wavelength-specific clinical applications

Basic Laser Safety and Security

- organizations and regulatory standards
- laser safety officer/office safeguards
- laser safety equipment and systems
- observing clinical environment hazards
- laser plume evacuation systems
- infection control/sterilization

Diagnosing for laser intervention

- indications and contraindications
- the hygienist's role in diagnosis

Intraoral Procedures

- oral surgical, periodontal, endodontal, palliative
- treatment objective and sequence
- alternate methods of treatment
- patient management

Optimizing Workflow

- streamlining and piggy-backing procedures
- performing procedures normally referred-out
- reducing injectable aesthesia

Post-Operative

- postoperative instructions
- surgical and healing assessment
- instructing patients on healing practices
- managing complications

Practice Management

- staff training and patient education
- billing and insurance coding
- documenting laser use/reporting adverse effects
- malpractice considerations, jurisprudence, ethics

Laser Bibliography

- general bibliography for lasers in dentistry
- subject bibliography for specific applications

Current Research and Future Developments

Hands-On Exercises

Laser Installations: Safety, Security & Operation

- setting up the workstation
- system startup/operation verification
- setting emission parameters

Clinical Simulations (bovine jaw)

- excising and incising
- retracting gingival tissue (for restorations, implants, C&B)
- phase one periodontal therapy
- managing aphthous ulcers, herpetic lesions, fibromas etc.
- removing osseous tissue
- achieving hemostasis
- surgical site decontamination

Clinical Simulation and Written Examinations

- course evaluation
- certificate of attendance

