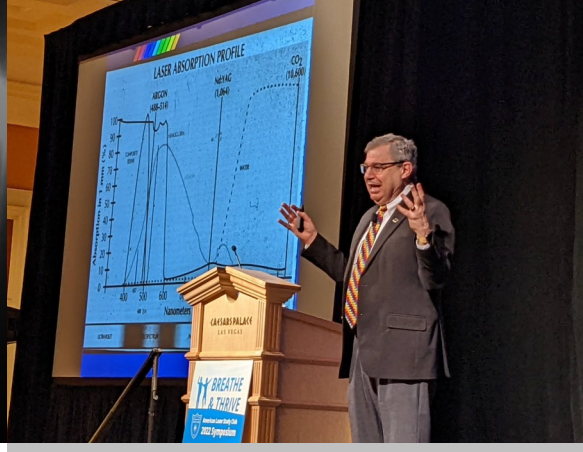
The Southern Maryland Dental Society Presents

Soft Tissue Lasers in Dentistry



Hands-On Course **8 CE Hours**

WHERE: **Southern Maryland Dental Society**
4920 Niagara Rd, Suite 306, College Park, MD 20740

WHEN: Saturday, November 23, 2024
8:00 AM - 5:00 PM

Introduction

Soft tissue lasers offer numerous benefits over conventional surgical methods, such as scalpels and electrocautery, including enhanced precision, reduced bleeding, and improved patient comfort. However, achieving consistent, successful outcomes requires an understanding of the unique properties of laser energy and its interaction with tissue. This course will delve into the essential principles of laser physics, emphasizing the "Big 3" parameters—power, time, and spot size—to maximize surgical efficiency while minimizing lateral thermal damage. Attendees will gain insights into advanced laser techniques, allowing them to refine their clinical skills and deliver predictable, high-quality results in their dental practice.

Course Curriculum

- Understanding laser-tissue interaction and the physics of light energy.
- Mastering the “Big 3” parameters: managing power, exposure time, and spot size.
- Techniques to minimize lateral thermal damage and optimize patient outcomes.

Hands-On Participation Session **2 Hours**

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- Superficial Coagulation
- Shallow Incisions
- Deep Incisions
- **Practicing Laser Frenectomies, Biopsies, and Other Surgical Techniques on a Pig Jaw**

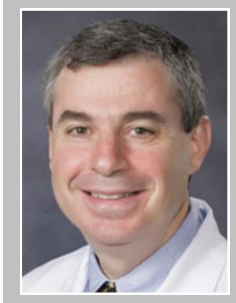
Course Certificates

Course participants, who successfully complete the examination, will be awarded a **LASER SAFETY basic knowledge CERTIFICATE** from the Board of Laser Safety of the Laser Institute of America (DISCOUNTED cost for the ALSC members), as well as a Laser Dentistry and Laser Surgery Basic Knowledge and Hands-On participation Wetlab **CERTIFICATE** from the American Laser Study Club (**FREE** for the course participants).

About the American Laser Study Club (ALSC)

The ALSC was founded to promote science-based laser dentistry, surgery, and safety education. The ALSC is proud of its curriculum and its distinguished membership, including our honorary members **Gordon J. Christensen**, DDS, MSD, PhD and **Rella P. Christensen**, RDH, PhD, world-renowned leaders in dental product research and education, who welcomed the ALSC’s mission: “Peter, we congratulate you on starting a laser study club. It is greatly needed…”

Meet the Instructor



Robert A. Strauss
DDS, MD, FACS

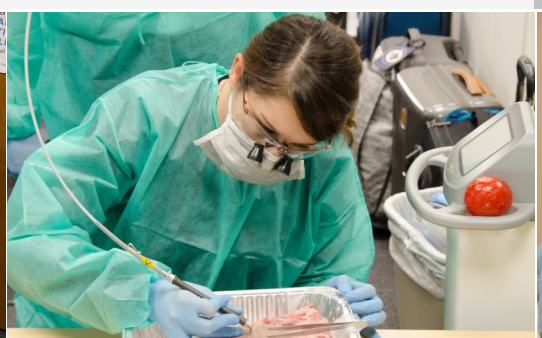
Dr. Strauss is a Professor and Director of the Residency Training Program in Oral and Maxillofacial Surgery at the Virginia Commonwealth University Medical Center, and Past President of the American College of Oral and Maxillofacial Surgeons. Dr. Strauss is board-certified by the American Board of Oral and Maxillofacial Surgery and is a former Chair of the Major Surgery Section of the Board. Over the last 30 years, he has authored numerous publications and textbook chapters on the use of lasers in oral and maxillofacial surgery.

Dr. Strauss received his dental degree from the University of Buffalo and his medical degree from the UHSA School of Medicine. He completed his internship at the Buffalo General Hospital and residencies in both Oral and Maxillofacial Surgery and in Anesthesiology at the Michael Reese Medical Center in Chicago.

Dr. Strauss specializes in laser surgery of the head and neck, facial and jaw reconstructive surgery, cosmetic facial surgery, and sleep apnea surgery. His research interests include laser and cosmetic surgery, sleep apnea, anesthesia, and orthognathic and reconstructive surgery.

Tuition

SMDS Members $485
Non-SMDS Members: $590
Residents *(Starting Nov 1st)*: $235

Registration

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