



Pediatric Hard and Soft Tissue Laser Dentistry

1-Day Hands-On Course - 10 CEUs

WHEN: Sunday, May 19, 2019
8:00 AM - 6:30 PM

WHERE: Dental Studies Institute of New Jersey
7 Spielman Road • Fairfield, NJ 07004

Meet the Instructor

Martin Kaplan
DMD, DABLS



Dr. Kaplan is a pediatric dentist. He was the first pediatric dental hospital trained post-graduate from Montefiore Hospital in the Bronx, NY. He has been a member of The Academy of Pediatric dentistry since 1977.

Dr. Kaplan has been an early adopter of laser dentistry since 2004. He has lectured nationally and internationally, has co-authored several articles and was a contributing author of the unique, first of its kind, Color Atlas of Infant Tongue-Tie and Lip-Tie Laser Frenectomy. Dr. Kaplan is a Member at the American Laser Study Club, a Diplomate of the American Board of Laser Surgery (ABLS) and the director of Dental Laser Education and Development for the ABLS.

Guest Speakers

Robyn Merkel-Walsh
MA, CCC-SLP/COM®



Robyn has specialized for over 24 years in oral placement disorders, orofacial myofunctional disorders and feeding disorders both in the schools and in private practice.

She is employed by the Ridgefield Board of Education, runs a private practice in Ridgefield, NJ, is the board chair of the Oral Motor Institute, and is a member of the TalkTools® speakers' bureau. She teaches TOTs, Autism and Tongue Thrust courses in addition to multiple webinars on topics including but not limited to: lisps, oral structure, Orofacial Myofunctional Disorder, feeding and TOTs. Robyn is the author /co-author of numerous articles, literature reviews, blogs, podcasts, ASHA convention posters and text books, including the SMILE program and Functional Assessment and Remediation of Tethered Oral Tissue (TOTs) (co-author Lori Overland).

Michelle Farfel
MA, IBCLC



Before venturing into private practice, Michelle worked at a high volume not-for-profit outpatient breastfeeding clinic and in a hospital on the labor and delivery as well as the post-partum units. Since 2013 she has been offering parent-to-parent support as an active La Leche League Leader in both Monmouth and Ocean Counties. As full-time IBCLC Michelle maintains many professional memberships and serve on various committees. Due to personal experiences she has taken a special interest in tongue-tie, allergies and food intolerances in the breastfed baby, as well as maternal gut health and epigenetics.

Sponsored by the American Laser Study Club and the Dental Studies Institute

Introduction: Enhance your understanding of the issues of pediatric laser dentistry, including tongue-ties and lip-ties! As many as 5 percent of all babies born in the US have tongue-ties significant enough to cause breastfeeding difficulties. Affected babies often fail to thrive and can be erroneously labeled as "lazy nursers" or "stubborn feeders".

A good surgical laser for cutting soft tissue must be able to vaporize soft tissue, while at the same time efficiently coagulating surgical margins. Not all laser wavelengths are suitable to comply with both requirements. This course focuses on the practical aspects of soft tissue laser surgery and on the fundamental processes involved in the laser-tissue interaction; it helps attendees learn how deep the laser beam cuts and how deep the coagulation and hemostasis extend into the surgical margins. Our **hands-on participation lab** is designed to train attendees on what surgical lasers can do safely and efficiently.

Clinical Curriculum

- Demonstrate a wide range of didactic and clinical tools for the use of lasers in pediatric dentistry and oral surgery, biopsy, and interceptive orthodontics
- Present the fundamentals of Dental Lasers adhering to the established standards of education
- Instruct Dentists, Lactation Consultants, Speech and Language Therapists, and other allied health care providers to understand the efficient and safe application of laser energy in everyday practice
- Provide sound scientific basis and proven efficacy of use of dental lasers in order to ensure public safety
- Explore current methods of clinical assessment, diagnosis and treatment of lingual and labial ties. Attendees will be able to:
 - Understand infant sucking physiology and how tongue ties impair infant suck;
 - Use reliable diagnostic criteria to screen babies for this condition; and
 - Understand all consequences and benefits of using lasers to remove oral restrictions
- Discuss speech and eating disorders and the oral connection
- Through participation in a hands-on workshop, the course attendees will learn to remove oral restrictions using soft-tissue lasers.

Laser Curriculum: Laser Surgery and Safety Basic Knowledge Certification Curriculum for this

Course has been developed by the American Laser Study Club (ALSC). The ALSC's curriculum overcomes the known limitations of many laser dentistry courses, and includes the detailed physics of soft tissue ablation and coagulation with laser and hot tip (non-laser) devices. Laser hands-on wetlab on tissue samples will include different laser wavelengths, as well as laser safety instructions and demonstrations. Laser instructions will be assisted by guest speaker Peter Vitruk, PhD, MInstP, CPhys, DABLS, a laser physicist who founded the American Laser Study Club and LightScapel LLC.



Hands-On Participation Session:

2 HOURS

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- Superficial Coagulation
- Shallow Incision
- Deep Incisions
- Practicing Surgical Techniques on a Lamb Jaw

Course Certificates:



Course participants, who successfully complete 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 ALSC: American Laser Study Club (ALSC - www.AmericanLaserStudyClub.com) 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, and you are the man to do it." Other Honorary Members of the ALSC are **Charles M. Cobb, DDS, MS, PhD**, Professor Emeritus, Department of Periodontics, School of Dentistry, University of Missouri-Kansas City; and **C. Kumar N. Patel, PhD, MS**, the Inventor of the CO₂ Laser; Recipient of National Medal of Science (1996); Member of US National Inventors Hall of Fame 2012; Professor Emeritus, UCLA. The ALSC is proud to have helped many dentists and surgeons.

alsc.club/nj-may
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