



The American Laser Study Club Presents

Pediatric Tongue- and Lip-Ties and Laser Frenectomies



with **LIVE SURGERY** Demonstrations

Friday and Saturday
April 19-20, 2024
8:00 AM - 4:30 PM

Red Rock Periodontics & Implantology
7475 W Sahara Ave, Ste 101
Las Vegas, NV 89117

Meet the Instructors



Martin Kaplan, DMD

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, Department at Tufts University School of Dental Medicine in Boston, 2006-2017. He has lectured nationally and internationally, has co-authored several dental articles and has been a contributing author in several dental texts including the *Journal of the American Laser Study Club - Infant Laser Frenectomy Special Issue*. Dr. Kaplan was instrumental in developing the first in the country comprehensive Infant Laser Frenotomy class which has been co-presented with other specialists in the laser and lactation professions at Tufts University Dental/Medical



Tara Erson, DMD, IBCLC, D. ABDSM

Dr. Erson, the owner of Smart Mouth, is a dentist interested in tongue-ties and their impact on breastfeeding, oral, facial, and airway development.

Dr. Erson will perform several live tongue-tie surgeries with her CO₂ laser.



Catherine Watson Genna, BS, IBCLC

Catherine Watson Genna has been an IBCLC in private practice in NYC since 1992. She has a special interest in the anatomical, genetic and neurological influences on skills, and writes and speaks internationally on these topics. Her research investigates the biomechanics of the lactating nipple; analyzing infant sucking via ultrasound and studying suck:swallow rhythms using cervical auscultation. She is the author of *Supporting Sucking Skills in Breastfeeding Infants* (Jones and Bartlett Learning, 2008, 2013, 2017) and *Selecting and Using Breastfeeding Tools* (Hale Publishing, 2009); Praeclarus Press, 2016) and served as the founding Associate Editor of the USLCA Journal of Clinical Lactation.

Complete instructor biographies can be found at alsc.club/instructors

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 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 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:

- Background and significance of TOTS;
- Diagnosis of pediatric tongue- and lip-ties;
- Multi-disciplinary approach to treating pediatric tongue- and lip-ties;
- Lactation support for the breastfeeding tongue-tied dyad;
- Bodywork and alternative therapy for the tongue-tied baby;
- Setting expectations with families and patients;
- Current clinical assessment methods, diagnosis, and treatment of pediatric lingual and labial ties. Attendees will be able to:
 - o Describe infant sucking physiology and how tongue-ties impair infant suck;
 - o Appropriately use reliable diagnostic criteria to screen babies and children for this condition;
 - o Clearly express orthodontic-myofunctional connection;
 - o Discuss how the soft tissues of the orofacial complex may lead to malocclusion, TMD, headaches, and other problems; and
 - o List and define all the consequences and benefits of using lasers to remove oral restrictions.
- In addition, attendees will learn to remove oral restrictions using soft-tissue lasers by observing **live surgery demonstrations**.

Laser Curriculum: Laser Surgery and Safety Basic Knowledge Certification

The 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 wet lab on tissue samples will include laser safety instructions, frenectomy simulations and other surgical laser procedure demonstrations. Laser instructions will be assisted by the guest speaker, Peter Vitruk, PhD, MInstP, CPhys, a laser physicist who founded the American Laser Study Club and LightScalpel Inc.



Hands-On Participation Session: 2 HOURS

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- Superficial Coagulation
- Shallow Incisions
- Deep Incisions
- Practicing 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 Wet lab **CERTIFICATE** from the American Laser Study Club (**FREE** for the course participants).

Tuition

Doctors: \$1,550 ALSC Members: \$50 OFF*
Non-Doctors: \$995 LightScalpel Users: \$50 OFF*

Registration

alsc.club/vegas2024

