

The American Laser Study Club Presents



# Pediatric Tongue- and Lip-Ties and Laser Frenectomies

2-Day Hands-On Course - 16 CEUs

Welcome to Boston

Friday and Saturday  
November 18-19, 2022  
8:00 AM - 4:30 PM

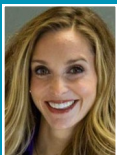
Revere Hotel Boston Common  
200 Stuart Street  
Boston, MA 02116, USA

## Meet the Instructors



### Martin Kaplan, DMD

Dr. Kaplan is a Diplomate of the American Board of Pediatric Dentistry, he has developed the first in the country comprehensive Infant Laser Frenotomy class at Tufts University Dental/Medical Center in Boston. He is a recipient of the Kumar Patel Prize in Laser Surgery in 2020. Dr. Kaplan 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*.



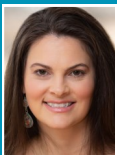
### Lauren Ballinger, DDS

Dr. Lauren Ballinger is a Board Certified Pediatric Dentist in Western Massachusetts. Her specialty practice models, Good to Grow Pediatric Dental Wellness, Airway, Growth and Sleep Solutions and The Nurture Frenectomy Center, are devoted solely to establishing optimal facial and jaw development, healthy airways, ideal function and restorative sleep as early in life as possible.



### Catherine Watson Genna, BS, IBCLC

Catherine is particularly interested in helping moms and babies breastfeed when they have medical challenges. She speaks internationally to healthcare professionals about assisting breastfeeding babies with anatomical, genetic, or neurological problems. She participates in a research collaboration with Columbia University and Tel Aviv University Depts of Biomedical Engineering, investigating the biomechanics of the lactating nipple and aspects of sucking and swallowing in breastfeeding infants. Board-certified for 27 years, she is also the author of two lactation texts and professional journal articles.



### Chrissy Nelson, RN, BSN, IBCLC

Chrissy has over 20 years experience with care of families, children, and babies. She holds a B.S.N. with magna cum laude mention and departmental honors. Chrissy has since cared for hundreds of thousands of families at home, inpatient and outpatient at several hospitals nationwide, and providing pediatric lactation care to families from all over the world privately and at Boston Children's Hospital.

Complete instructor biographies can be found at [alsc.club/instructors](http://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 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:

- Background and significance of Tethered Oral Tissues (TOTS);
- Diagnosis of pediatric tongue- and lip-ties;
- Teaching of the function first model diagnosis and treatment;
- 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 methods of clinical assessment, 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 consequences and benefits of using lasers to remove oral restrictions.

**Laser Curriculum:** The 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 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 LightScapel Inc.



## Hands-On Participation Session:

2 HOURS

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- 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 (USD)

Doctors: \$1,250      ALSC Members: \$50 OFF\*  
Non-Doctors: \$850      LightScapel Users: \$50 OFF\*

## Registration

[alsc.club/boston2022](http://alsc.club/boston2022)

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