

The American Laser Study Club Presents

# Pediatric Tongue- and Lip-Ties and Laser Frenectomies



2-Day Hands-On Course - 16 CEUs

Friday and Saturday

May 10-11, 2024

8:00 AM - 4:30 PM

Holiday Inn & Suites Edmonton Airport - Conference Center

1100 4 St

Nisku, AB T9E 8E2, Canada

## 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;
- 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 wetlab 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
- Shallow Incisions
- Deep Incisions
- Practicing Surgical Techniques on a Pig 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).

## Tuition (USD)

Doctors: \$1,250

ALSC Members: \$50 OFF\*

Non-Doctors: \$850

LightScalpel Users: \$50 OFF\*

## Registration

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

## 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*.



### Catherine Watson Genna, BS, IBCLC

Catherine is particularly interested in dyads with medical challenges to breastfeeding. In addition to mentoring lactation interns, she uses her clinical photos and videos in presentations to healthcare professionals on assisting breastfeeding babies with anatomical, genetic or neurological problems. She participates in a research collaborative with Columbia University and Tel Aviv University Depts of Biomedical Engineering, investigating 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, professional journal articles, and chapters in the Core Curriculum and Breastfeeding and Human Lactation.



### Karrie Page, MSLP, R.SLP, S-LP(C), COM®, IBCLC

Karrie is a Registered Speech Language Pathologist, Certified Orofacial Myologist and an International Board Certified Lactation Consultant. Karrie owns and operates Tip of the Tongue in Red Deer, Alberta, focusing on orofacial myofunctional disorders, persistent sound errors for articulation therapy and lactation consulting. Karrie is passionate about providing care across the lifespan from birth through adulthood.



### Nicole Dickson, MSLP, R.SLP, S-LP(C), COM®

Nicole is a Registered Speech Language Pathologist and Certified Orofacial Myologist. She owns and operates a successful private practice focusing on speech, language and social communication as well as orofacial myofunctional disorders in pediatrics and adults in Calgary, Alberta.



### Chelsie Goulet, DC

Dr. Chelsie Goulet, a Canadian Board Certified Chiropractor, graduated from Canadian Memorial Chiropractic College in 2015 and has been practicing in Central Alberta. She founded 'Aligned Together,' a clinic offering an integrative, personalized approach to patient care. Specializing in treating a range of conditions, Dr. Chelsie emphasizes wellness through various modalities. In 2022, she had a son with tethered oral tissues, fueling her passion for education and rehabilitation in this area.

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



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