

## The American Laser Study Club Presents



# Pediatric Tongue- and Lip-Ties and Laser Frenectomies

2-Day Hands-On Course - 16 CEUs

**First time in Alberta, Canada!**

Wyndham Garden Calgary Airport  
11 Freeport Crescent NE, Calgary, AB T3J 0T4

Friday & Saturday, September 17-18, 2021  
8:00 AM - 4:30 PM



## 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 first-ever *Laser Surgery Atlas for the Treatment of Infant Tongue- & Lip-Ties*. 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 Center in Boston.

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 first-ever *Laser Surgery Atlas for the Treatment of Infant Tongue- & Lip-Ties*. 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 Center in Boston.



**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. Catherine served as Associate Editor of the United States Lactation Consultant Association's official journal *Clinical Lactation* for its first seven years.

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. Catherine served as Associate Editor of the United States Lactation Consultant Association's official journal *Clinical Lactation* for its first seven years.

**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 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:

- Understand infant sucking physiology and how tongue ties impair infant suck;
- Be able to utilize reliable diagnostic criteria to screen babies and children for this condition;
- Understand orthodontic-myofunctional connection;
- Understand how the soft tissues of the orofacial complex may lead to malocclusion, TMD, headaches, and other problems; and
- Understand all consequences and benefits of using lasers to remove oral restrictions.

## 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 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:

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- Superficial Coagulation

- Shallow Incisions
- Deep Incisions
- Practicing Surgical Techniques on a Pig Jaw

**2 HOURS**

## Tuition (USD)

Doctors: \$995 Non-Doctors: \$595

ALSC Members: \$50 OFF\*

LightScalpel Users: \$50 OFF\*

## 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).



## Registration

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

**About the ALSC:** American Laser Study Club (ALSC - [www.AmericanLaserStudyClub.com](http://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 CO<sub>2</sub> 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.