



## Pediatric Tongue- and Lip-Ties and Laser Frenectomies

### 2-Day Hands-On Course - 15 CEUs

**WHERE:** 4920 Niagara Rd, Suite 306, College Park, MD 20740

**WHEN:** March 18-19, 2023 (Sat. & Sun.) • 8:00 am - 4:30 pm

**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 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 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
- 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 Wetlab **CERTIFICATE** from the American Laser Study Club (**FREE** for the course participants).

**About the ALSC:** The 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.

### Meet the Faculty



#### Brynn Leroux, DDS

Dr. Leroux is a graduate of Louisiana State University School of Dentistry and was ranked 2nd in her graduating class. She completed a residency in Pediatric Dentistry at the Medical University of South Carolina, acting as Chief Resident. Dr. Leroux graduated as Valedictorian from Catholic High School of Pointe Coupee and continued on to study Biological Sciences at LSU in Baton Rouge. Dr. Leroux is a partner in Associates in Pediatric Dentistry, a group practice with 4 locations serving the Greater Baton Rouge area. She is a Board Certified Pediatric Dentist of the American Board of Pediatric Dentistry. She is an active member of numerous dental organizations and societies, including the Greater Baton Rouge Dental Association, Louisiana Dental Association, American Dental Association, Southwestern Society of Pediatric Dentistry, American Academy of Pediatric Dentistry, OKU National Dental Society, C.E. Kells Honorary Society, and Pierre Fauchard Honor Society.



#### Andrew Horng, DDS

Dr. Horng is a Diplomate of the American Board of Pediatric Dentistry and a Fellow of the American Academy of Pediatric Dentistry. He has been a clinical instructor at the University of Maryland School of Dentistry, Division of Pediatric Dentistry since 2005. Dr. Horng maintains a private practice in Rockville, MD. He is an active member of the American Dental Association and is a past-president of the Southern Maryland Dental Society. Currently Dr. Horng serves as the continuing education director of the SMDS.



#### 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 infant sucking 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, 2023) 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 biographies can be found at [alsc.club/instructors](http://alsc.club/instructors)

### Tuition

**SMDS Members:** \$945      **Residents:** \$500  
**Non-SMDS Members:** \$1,175      **Staff/IBCLC:** \$350

### Registration

**Call (301) 345-4196**

**Email [Valerie@smdsdentists.org](mailto:Valerie@smdsdentists.org)**