The American Laser Study Club Presents

Laser Frenectomies and Pediatric Laser Dentistry

1-Day Hands-On Course - 7 CEUs

Sunday, November 10, 2019
9:00 AM - 5:00 PM

The Langham Hotel
89-113 Kent Street, The Rocks,
Sydney, NSW 2000, Australia

Meet the Instructors

Martin Kaplan
DMD, DABLS

Dr. Kaplan is a pediatric dentist. He was the first pediatric dental hospital trained postgraduate from Montefiore Hospital in the Bronx, NY. He has been a member of The Academy of Pediatric dentistry since 1977.

Dr. Kaplan has been an early adopter of laser dentistry since 2004. He has lectured nationally and internationally, has co-authored several articles and was a contributing author of the unique, first of its kind, Color Atlas of Infant Tongue-Tie and Lip-Tie Laser Frenectomy. Dr. Kaplan is a Member at the American Laser Study Club, a Diplomate of the American Board of Laser Surgery (ABLS) and the director of Dental Laser Education and Development for the ABLS.

Peter Vitruk
PhD, MInstP, CPhys

Dr. Peter Vitruk is a laser physicist who founded the American Laser Study Club (ALSC) and several laser companies, including LightScalpel, LLC; Aesculight, LLC; and LuxarCare, LLC. Dr. Vitruk has co-authored 10 patents and over 50 articles on CO_2 laser technology and applications. He is a Member of The Institute of Physics, UK and is passionate about laser-tissue interaction education.

Alissa Powell
IBCLC

Alissa is an Australian Orofacial Myologist and IBCLC, with a special interest in infants with complex special needs. She draws from her graduate studies across disciplines in behavioural neuroscience, education and biomedical sciences.

The biomechanics of infant feeding and function are a microcosm of the neurological motor pathways, structure and relationships which are shaped in infancy for lifelong optimal human health and wellbeing.

She is the founder of Latch Lactation, Orofacial Myology & Education Australia, and consults international and local clients.

Registration & Tuition

alsc.club/sydney

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

- Demonstrate a wide range of didactic and clinical tools for the use of lasers in pediatric dentistry and oral surgery, biopsy, and interceptive orthodontics
- Present the fundamentals of Dental Lasers adhering to the established standards of education
- Instruct Dentists, Lactation Consultants, Speech and Language Therapists, and other allied health care providers to understand the efficient and safe application of laser energy in everyday practice
- Provide sound scientific basis and proven efficacy of use of dental lasers in order to ensure public safety
- Explore current methods of clinical assessment, diagnosis and treatment of lingual and labial ties. Attendees will be able to:
  - Understand infant sucking physiology and how tongue ties impair infant suck;
  - Use reliable diagnostic criteria to screen babies for this condition; and
  - Understand all consequences and benefits of using lasers to remove oral restrictions
- Discuss speech and eating disorders and the oral connection
- Through participation in a hands-on workshop, the course attendees will learn to remove oral restrictions using soft-tissue lasers.

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 different laser wavelengths, as well as laser safety instructions and demonstrations. Laser instructions will be assisted by guest speaker Peter Vitruk, PhD, MInstP, CPhys, a laser physicist who founded the American Laser Study Club and LightScalpel LLC.

Hands-On Participation Session:

2 HOURS

- Laser Safety
- Laser Surgical Technique Simulations
- Superficial Ablation
- Superficial Coagulation
- Shallow Incision
- Deep Incisions
- Practicing Surgical Techniques on a Lamb 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).

About the ALSC:

American Laser Study Club (ALSC - 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_2 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.