PHOENIX, AZ, MARCH 29-31, 2019

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SYMPOSIUM VENUE: THE CAMBY HOTEL: 2401 E CAMELBACK RD, PHOENIX, AZ 85016

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**Keynote Addresses**

**Friday, March 29, 8:00am - 9:00am**  
**Soroush Zaghi, MD**  
**A Brief History of Case & Clinical Studies in Sleep and Airway Disorders From Tracheotomy to Frenectomy and Beyond**

Dr. Zaghi graduated from Harvard Medical School, completed residency in ENT (Otolaryngology- Head and Neck Surgery) at UCLA, and Sleep Surgery Fellowship at Stanford University. The focus of his sub-specialty training is on the comprehensive treatment of nasal obstruction, snoring, and obstructive sleep apnea. He is very active in clinical research relating to sleep disordered breathing with over 60+ peer-reviewed research publications in the fields of neurosciences, head and neck surgery, and sleep-disordered breathing.

Dr. Zaghi is particularly interested in studying the impact of tethered-oral tissues (such as tongue-tie) and oral myofascial dysfunction on maxillofacial development, upper airway resistance syndrome, and obstructive sleep apnea. He is an invited lecturer, author, and journal reviewer for topics relating to the diagnosis and management of sleep-disordered breathing and tongue-tie disorders.

**Friday, March 29, 9:00am - 10:00am**  
**Charles M. Cobb, DDS, MS, PhD**  
**The Current Status of Laser Mediated Treatment of Periodontal Disease**

Dr. Charles Cobb graduated from the University of Missouri-Kansas City (UMKC), School of Dentistry in 1964, with a Certificate of Specialty in Periodontics. In 1966 he received a Master of Science degree in Microbiology from UMKC. Following two years of active duty with the U.S. Navy, Dr. Cobb returned to school at Georgetown University, from where he graduated in 1971 with a Ph.D. in Anatomy (emphasis on microanatomy). Following his graduation from Georgetown, he held teaching and research positions at Louisiana State University and the University of Alabama in Birmingham. Dr. Cobb devoted 15 years to full-time private practice in periodontics and 17 years to academia. He is a Diplomate of the American Board of Periodontology and has published over 200 peer-reviewed papers and presented over 200 programs at regional, national and international meetings. Dr. Cobb recently concluded one year as the Interim Director of the Graduate Periodontics Program at UMKC. He served three years on the Board of Trustees of the American Academy of Periodontology and three years as the Academy’s Parliamentarian. In 2012, the American Academy of Periodontology recognized Dr. Cobb as the Outstanding Periodontal Educator. He is retired from the UMKC School of Dentistry as a Professor Emeritus. Dr. Cobb retired from the U. S. Army Reserves with the rank of Colonel and is one of the few Reserve Officers to have received the “A” Specialty Designator from the Office of the U. S. Army Surgeon General and induction into the Order of Military Medical Merit.

**Saturday, March 30, 7:00am - 8:00am**  
**Richard Baxter, DMD, MS, DABLS**  
**Treating Toddlers to Teens for Tongue-Tie, Clinical Strategies and Case Studies**

Dr. Richard Baxter is a board-certified pediatric dentist and board-certified laser surgeon. He is passionate about educating parents and healthcare practitioners about the effects a tongue-tie can have throughout the lifespan. He lives in Birmingham, AL with his wife, Tara, and their four-year-old girls, Hannah and Noelle. He is the founder and owner of the Alabama Tongue-Tie Center where he uses the CO2 laser to release oral restrictions that are causing nursing, speech, dental, sleep and feeding issues. He had a tongue-tie himself, and his twin girls were treated for tongue and lip-tie at birth, so for him, this field is a personal one. In his free time, he enjoys spending time with his family and outdoor activities. He serves as an elder at his church and is on the board of Reach the Rest, a global missions organization. Dr. Baxter also participates in many overseas dental mission trips. He is currently working on several research and educational projects related to tongue-ties.

**Saturday, March 30, 8:00am - 9:00am**  
**Rajeev Agarwal, MD, FAAP**  
**Talk of the Town – The United Tongue**

Dr. Agarwal worked on the Eastern Shore of Virginia for eight years in general pediatrics before moving to the Valley of the Sun to establish Agave Pediatrics in 2005. Dr. Agarwal underwent medical schooling at India’s premier institute of medical sciences, AIIMS, in New Delhi. He completed his residency in Pediatrics at the University of Texas Medical Branch at Galveston. To further his learning in subspecialty medicine, he joined the fellowship program in Pediatric Nephrology at the University of Florida at Gainesville. Under the program, he also conducted bench research at Ohio State University. Professional Memberships: American Academy of Pediatrics (AAP), American Academy Pediatrics Nephrology (AAPN), International Consortium of Ankyloglossia Professionals (ICAP), Arizona Chapter of American Pediatrics (AZAAP), International Association of Tongue Tie Professional (IATP).

**Saturday, March 30, 9:00am - 10:00am**  
**Jack Dillenberg, DDS, MPH**  
**And you thought dentistry was just about teeth**

Dr. Dillenberg is the inaugural Dean of A.T. Still University’s Arizona School of Dentistry & Oral Health. He received his Master’s Degree in Public Health from the Harvard School of Public Health and completed his dental education at New York University, College of Dentistry. Dr. Dillenberg is a Board Member of the American Association of Developmental Medicine and Dentistry, the Association for Prevention Teaching and Research, the Caplin Family Foundation and is the Vice Chair for First Things First Southeast Maricopa Region and Board Chairman for the Center for Oral Health. He is also a member of the American Dental Association, the American Association of Public Health Dentistry, the American Dental Education Association as well as many others. Prior to joining ASDOH, Dr. Dillenberg was Associate Director for public health programs in the California Department of Health Services and prior to that was an Area Health Officer serving the west area of the Los Angeles County Department of Health Services. Dr. Dillenberg is also President of Dillenberg & Friends, Inc. providing a full scope of health services consulting. During most of the 1990s, Dr. Dillenberg served in several capacities in the Arizona Department of Health Services, including Director and Assistant Director in the Division of Family Health Services. Dr. Dillenberg has also served in numerous positions on health-related boards and associations and is the recipient of a great number of honors and awards, including the U.S Public Health Service Chief Dental Officer’s Service Award and the Harvard School of Public Health Alumni Award of Merit.

**Sunday, March 31, 8:00am - 10:00am**  
**Robert A. Strauss, DDS, MD, FACS**  
**Laser physics for poets: how the good practitioner uses basic principles for the best clinical laser results**

Dr. Strauss specializes in laser surgery of the head and neck, facial and jaw reconstructive surgery, cosmetic facial surgery, and sleep apnea surgery. His research interests include laser and cosmetic surgery, sleep apnea, anesthesia and orthognathic and reconstructive surgery.
ALSC 2nd Annual Symposium, March 29–31, 2019, in Phoenix, Arizona

Don’t miss your chance to attend the 2019 premier gathering of the top laser clinicians at the American Laser Study Club (ALSC) 2nd Annual Symposium. Join us for 50+ exhilarating presentations in by Physicians, Dentists, Veterinarians, and other specialists! The Symposium has three specialty and topic focused sessions: (1) Laser Frenectomy and Beyond; (2) Laser Dentistry, Surgery and Therapy; and (3) Veterinary Laser Dentistry, Surgery and Therapy. CE credits will be provided and hands-on training will be available.

**Schedule for Friday, March 29th, 2019**

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<tr>
<th>8:00am - 9:00am</th>
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| 10:00am - 10:20am | Coffee Break |

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<th>Laser Frenectomy and Beyond Session</th>
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<th>Veterinary Laser Dentistry, Surgery and Therapy Session</th>
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<td>10:20am - 11:05am</td>
<td>Diana Batoon, DMD</td>
<td>Pediatric Airway and Sleep Disordered Breathing</td>
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<tr>
<td>10:20am - 11:05am</td>
<td>Richard B. Winter, DDS, MAGD</td>
<td>Modified Minimal Crown Lengthening and other laser Pears for General Dentistry</td>
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<td>11:05am - 11:50am</td>
<td>James M. Bronson, DDS, FIAO</td>
<td>Airway Enhancement following Myofunctional Therapy, Lingual Frenectomy and Quantum ALF Therapy in OSA patients</td>
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<td>11:05am - 11:50am</td>
<td>Ben Sutter, DMD, DABLS</td>
<td>Identification and Laser Eradication of Oral Cavity Spirochetes: Case Study, or How to Use a Laser Like a Jedi.</td>
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<td>11:50am - 12:35pm</td>
<td>German Ramirez-Yañez, DDS, Pedo. Cert., MDSC, PhD, FRCDS</td>
<td>Tongue-tie, sleep and breathing disorders and dental malocclusions: where the dots connect?</td>
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<td>11:50am - 12:35pm</td>
<td>Robert Levine, DDS</td>
<td>How the use of lasers can help support all dynamics of restorative dentistry. This includes the support of virtual technologies.</td>
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<td>11:50am - 12:35pm</td>
<td>Miguel Carreira, PhD, MSc, DTO, Pst-Grd, DMD, DVM</td>
<td>Comparative study on the plasmatic CRP level variation in dogs undergoing surgery with CO2 Laser and Scalpel blade incisions in a pre- &amp; post-surgical time-point</td>
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| 12:35pm - 1:30pm | Lunch |

| 1:30pm - 2:15pm | Karen M. Wuertz, DDS, ABCDSM, DABLS, FOM | Photobiomodulation Therapy: An Innovative, Non-surgical Treatment with Broad Therapeutic Implications for Human Health |
| 1:30pm - 2:15pm | Praveen Arany, BDS, MDS, MMSc, PhD | The Efficacy of the Time Machine’s near Infrared Photobiomodulation to rapidly decrease pain in TMD and Muscular Spasm |
| 2:15pm - 3:00pm | Shelly F. Klein, MD, DABLS, CSOM | Car Seat Challenge Accepted |
| 2:15pm - 3:00pm | Ron Rubin, DMD | The use of CO2 laser in exotic animals |
| 3:00pm - 3:45pm | Jessie R. Witkoff, DDS, DABPD | String theory: a non-unified theory of Frenuli |
| 3:00pm - 3:45pm | Lori Agulian, DVM | A Comparison between Carbon Dioxide Surgical Laser and Non-Laser Excision of Cutaneous and Subcutaneous Soft Tissue Sarcomas and Mast Cell Tumors in Dogs |
| 3:45pm - 4:00pm | Coffee Break |

| 4:00pm - 4:45pm | Paula Fabbie, RDH, BS, COM® | Laser Eyelid Surgical Procedures |
| 4:00pm - 4:45pm | Elizabeth Fleming, DDS | Laser Pointers: Activated Tips for the Diode Laser in your Practice |
| 4:45pm - 5:30pm | Katalin Kovács, DVM, PhD | Photodynamic Antibacterial Treatment (aPDT) in Pets |
| 4:45pm - 5:30pm | Martin A. Kaplan, DMD, DABLS | My Journey from Diode to CO2 over 15 years |
| 4:45pm - 5:05pm | Pedro Azevedo, DVM, MSc, Pst-Grd | Comparison of the Hemodynamic Response in General Anesthesia between Patients Submitted to Skin Incision with Scalpel and CO2 Laser Using Dogs as an Animal Model. |

6:00pm - 8:00pm – Cocktail Party
Schedule for Saturday, March 30th, 2019

**Laser Frenectomy and Beyond Session**

10:20am - 11:05am  
Justin Roche, MB ChB, MRCPCH, IBCLC  
The effect of frenectomy on bottle-fed infants with colic/rfex. How a Team approach optimizes outcome in Tongue Tie for infants and thus your clinics reputation

11:05am - 11:50am  
Michale Chatham, RN, BSN, OMT, LMT, IBCLC - Creating the Airway Dream Team: The heart at the Heart of the Matter

11:50am - 12:35pm  
Cara Rick, DNP, RN, FNP-BC, IBCLC, DABLS; and Stevanie Bahneth, DC  
Frenectomy Dissected: Discussion of anatomy pre & post exercises, laser settings, and other considerations

12:35pm - 1:30pm - Lunch

1:30pm - 2:15pm  
Tara Erson, DMD  
Building a Frenectomy Focused Dental Practice

2:15pm - 3:00pm  

3:00pm - 3:45pm  
James Thomas, DDS, MS  
Sleepless in Seattle

3:45pm - 4:00pm - Coffee Break

4:00pm - 4:40pm  
Sheila Busch, MSN, RN, OMT-C, FNP-C  
Taking Care of T.O.T.S. (in the Wild Wild West)

4:40pm - 5:20pm  
Lisa Paladino MS, RN, CNM, IBCLC - Team Approach to Tethered Oral Tissues in the Breastfeeding Infant

5:20pm - 6:00pm  
Michelle Emanuel, OTR/L - Mission NOT Accomplished! How a full release can end up "reattached" and inhibit great functional outcomes & what to do to prevent it.

6:15pm - 7:00pm  
PANEL DISCUSSION

**Laser Dentistry, Surgery and Therapy Session**

10:20am - 11:05am  
Martin A. Kaplan, DMD, DABLS  
Frenum Care Beyond the Infant

11:05am - 11:50am  
Brynn L. Leroux, DDS - The Joys and Challenges of Incorporating TOTS, Airway and Laser Procedures into Your Pediatric Dental Practice

11:50am - 12:35pm  
Robert Levine, DDS  
Laser Use In The Academic Environment: What We are Teaching our Pre-Doctoral Students.

3:45pm - 4:00pm - Coffee Break

4:00pm - 4:45pm  
Seena Patel, DMD, MPH - An Overview of Common Oral Lesions: Diagnosis and Management

4:45pm - 5:30pm  
PANEL DISCUSSION

**Veterinary Laser Dentistry, Surgery and Therapy Session**

10:20am - 11:05am  
Lorraine A. Corriveau, DVM, DABVP  
The use of CO2 laser in veterinary dentistry and oral surgery

11:05am - 11:50am  
Miguel Carreira, PhD, MSc, DTO, Pst-Grd, DMD, DVM - Comparison of the influence of CO2-laser & Scapel Skin Incisions on the Surgical Wound Healing Process

11:50am - 12:35pm  
David D. Duclos, DVM, DACVD  
Excision and ablation of various dermatologic lesions in the dog and cat

Schedule for Sunday, March 31st, 2019

8:00am - 10:00am - Keynote Address  
Robert A. Strauss DDS, MD, FACS  
Laser physics for poets: how the good practitioner uses basic principles for the best clinical laser results

10:15am - 11:00am  
Peter Vitruk, PhD, MinstP, CPhys, DABLS  
Joint Session – Panel Discussion – 21st Century Laser Medicine Education for the Small Office

11:15am - 12:00pm  
2019 Kumar Patel Laser Surgery Prize Award Ceremony  
Winners to be announced soon. Awards will be presented by Dr. Kumar Patel, PhD, the Inventor of the CO2 Laser

12:00pm – Adjourn
Hands-On Laser Participation Workshops*

Try out different lasers hands-on and learn about laser safety, tissue interaction and surgical techniques. The workshops provide 4 CE hours and cost from $195 to $295 to attend.

To register for a workshop, visit alsc.club/symposium-workshops

**Soft Tissue Surgical Laser Hands-On Participation Workshop**

Peter Vitruk, PhD, MInstP, CPhys, DABLS

This course focuses on the practical aspects of soft tissue laser surgery, as well as on the fundamental processes involved in the laser-tissue interaction and 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 be second to none in training attendees on what surgical lasers can do safely and efficiently.

**Dental Diode Laser Hands-On Participation Workshop**

Robert Levine, DDS

Participants will first get a review of laser science. Soft-tissue procedures for both general dental and dental hygiene applications will be reviewed and explained within the context of technique, procedural considerations and patient safety. Participants will then have the opportunity to use multiple varieties of diode lasers via hands-on application on different mediums, simulating the varying tissue types that are encountered in the clinical setting.

**Veterinary Soft Tissue Surgical Laser Hands-On Participation Workshop**

Noel A. Berger, DVM, MS, Dip. ABLS

This course focuses on the practical aspects of veterinary soft tissue laser surgery, as well as on the fundamental processes involved in the laser-tissue interaction and 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 be second to none in training attendees on what surgical lasers can do safely and efficiently.

**Dental Diode Laser Hands-On Participation Workshop**

Robert Levine, DDS

Participants will first get a review of laser science. Soft-tissue procedures for both general dental and dental hygiene applications will be reviewed and explained within the context of technique, procedural considerations and patient safety. Participants will then have the opportunity to use multiple varieties of diode lasers via hands-on application on different mediums, simulating the varying tissue types that are encountered in the clinical setting.

*Workshop registration fees are separate from the Symposium registration fees. Workshop attendees are required to be registered for the Symposium.
Save the Date - March 29-31, 2019

Join Laser Surgery Experts at the 2019 Symposium of the American Laser Study Club alscllub/symposium

In Partnership with
GLOH EDUCATION.

The 2019 2nd Annual ALSC Symposium
PHOENIX, ARIZONA

Join fellow Laser Physicians, Dentists, Veterinarians and Researchers to share your knowledge and learn from the best at the upcoming American Laser Study Club's 2nd Annual Symposium, to be held on March 29 - 31, 2019, in Phoenix, AZ! To register, please visit alscllub/registration

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Provided through partnership with ADA CERP CDE providers.

Veterinary - Earn Up to 12.5 CE Credits
Provided through the AAVSB's Registry of Approved CE (RACE) program.

Location
The Camby Hotel
2401 E Camelback Rd, Phoenix, AZ 85016
Book Your Room Now! alscllub/bookroom

REGISTRATION FEES

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<th>Full Conference Registration</th>
<th>Member / Non-Member</th>
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<tbody>
<tr>
<td>Doctor, Researcher and Scientist</td>
<td>$895 / $995</td>
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<tr>
<td>Practice Staff Member, Non-Doctor</td>
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<td>Veterinary Clinic Staff / Non-Doctor</td>
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Ticket sales end on March 25, 2019 at midnight. Refunds will incur a 20% processing fee. No refunds after February 27, 2019.

See You In Phoenix!

Information, dates, conditions, program schedule, and list of speakers in this communication are subject to change without prior notice. Workshop registration fees are separate from the Symposium registration fees. Workshop attendees are required to be registered for the Symposium.

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