

Symposium Schedule:

Day	Time	Presentation
Monday	8:00 AM – 11:30 AM	Clear Aligners: The Evolution of Future Orthodontics with Dr. Sandra Tai
Tuesday	8:00 AM – 11:30 AM	Interdisciplinary Treatment, Orthognathic Surgery and the Role of TADS in Clear Aligner Therapy with Dr. Sandra Tai
Wednesday	3:00 PM – 6:00 PM	Rationale for 3D Imaging in Our Practices: how can it improve patient care? with Dr. Lucia Cevidanes
Thursday	8:00 AM – 11:30 AM	Bruised, Broken and Bedeviled Teeth: Managing the Unexpected Dental Injury (Part 1) with Dr. Anthony DiAngelis
Friday	8:00 AM – 11:30 AM	Bruised, Broken and Bedeviled Teeth: Managing the Unexpected Dental Injury (Part 2) with Dr. Anthony DiAngelis

Please join us on Monday evening for the Welcome Cocktail Reception 5:30 - 7:00 pm. Traveling companions are welcome!

Symposium Fees:

\$1195 Dentist
\$ 695 CDA, RDH, technician,
office staff and auxiliaries

Symposium fees include seminar kit, continental breakfasts,
breaks and relevant course materials.

DE 9361

Fairmont Orchid Resort Accommodation:

Special hotel reservations at the Fairmont Orchid Resort have
been arranged for course participants that are not available to
the general public. Please call Jane Patrick at North South Travel
604 717 1751 or email jane@nstravel.bc.ca to book today!

Travel Questions?

Please call Jane at North South Travel
604-717-1751. She will be happy to arrange all your travel
requests, from rental cars to upgrading rooms to arranging flights.



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UBC Orthodontic Symposium 2018

A Continuing Education program sponsored by The University of British Columbia
Division of Orthodontics and the UBC Orthodontic Alumni Association

MARCH 26-30, 2018
BIG ISLAND, HAWAII
Fairmont, Orchid Resort

Clear Aligners: The Evolution of Future
Orthodontics

Presented by Dr. Sandra Tai

Interdisciplinary Treatment, Orthognathic
Surgery and the Role of TADs in Clear
Aligner Therapy

Presented by Dr. Sandra Tai

Rationale for 3D imaging in Our Practices:
how can it improve patient care?

Presented by Dr. Lucia Cevidanes

Bruised, Broken and Bedeviled Teeth:
Managing the Unexpected Dental Injury
(Part 1 and 2)

Presented by Dr. Anthony DiAngelis

Mon, Tues, Thurs, Fri 8:00 am - 11:30 am
Wed 3:00 pm - 6:00 pm

17 hours of Instruction

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Clear Aligners:
The Evolution of Future Orthodontics

Dr. Sandra Tai

Clear aligner therapy is now a proven orthodontic technique that is able to treat a wide range of malocclusions. This presentation will discuss differences in treatment mechanics between fixed appliances and clear aligners, and will demonstrate a wide variety of malocclusions that may be routinely treated with clear aligners. Recent innovations in clear aligner technology such as bite ramps for deep overbite, optimized extrusive attachments for anterior open bite, and precision cuts for antero-posterior correction will be illustrated with clinical cases.

LEARNING OUTCOMES:

- The differences and similarities between Fixed Edgewise appliances and clear aligners in treatment mechanics, tooth movements and concepts of anchorage
- How to apply those principles and treatment mechanics in digital treatment planning tooth movements with clear aligners
- To apply clear aligner innovations to treat Deep Overbite, Anterior Open Bite, and Class II and Class III malocclusions



Sandra Tai BDS, MS, Cert Ortho, FCDS (BC), FRCD (C) was born in Aldershot, England. She received her graduate training in Orthodontics at the University of Minnesota, Minneapolis, USA and graduated with a Certificate in Orthodontics and a Master of Science degree in 1990. Dr Sandra Tai is currently a practicing Specialist in Orthodontics in Vancouver, Canada.

Dr. Sandra Tai has been an Invisalign certified orthodontist since 2000 and is currently an Invisalign Top 1% Provider who has treated over 1,200 cases. She was appointed Clinical Assistant Professor in Orthodontics at the University of British Columbia since 1996, teaching in both undergraduate and graduate orthodontic programs. She is also the Coordinator of the Invisalign University Program.

Dr. Tai has taught Invisalign at various universities internationally, including University Malaya and International Medical University, Malaysia, and the Prince Abdul Rahman Advanced Dental Institute, Riyadh, Saudi Arabia. In China, Dr. Tai has lectured at Peking University, Beijing, West China School of Stomatology, Sichuan University, in Chengdu, Wuhan University, Fourth Military Medical University, Xi'an, and Capital Medical University, Beijing. She has also lectured for Align Technology in Costa Rica,

Interdisciplinary Treatment, Orthognathic Surgery and the Role of TADs in Clear Aligner Therapy

Dr. Sandra Tai

Complex restorative cases often require an interdisciplinary approach for optimized treatment outcome in aesthetics, form and function. Recent innovations in technology such as Temporary Anchorage Devices (TAD's) and Clear Aligners have revolutionized treatment planning possibilities for patients presenting with multiple dental issues requiring complex interdisciplinary treatment. This will be illustrated with clinical cases demonstrating how pre-restorative orthodontics with clear aligners can facilitate a better restorative outcome. For orthognathic surgery cases treated with clear aligners, emphasis will be placed on Case Selection and setting up digital treatment planning software to meet pre-surgical treatment goals of removing dental compensations for surgical cases. This will be illustrated with Class II and Class III surgical cases. Post surgical management of the clear aligner patient and tips for finishing surgical cases will also be discussed.

LEARNING OUTCOMES:

- How simple tooth movements with clear aligners can facilitate restorative treatment
- To use digital software for treatment planning purposes such as preparation of the single tooth implant site
- How to treat orthognathic surgery cases with clear aligners with an emphasis on pre-surgical treatment goals and finishing
- How to incorporate TADs into clear aligner treatment in a variety of clinical scenarios

China, Hong Kong, Thailand, Indonesia, Singapore, India, Korea, Japan, USA and Canada. Dr. Tai has also presented at the Indonesian Association of Orthodontists, Malaysian Dental Association, Hawaiian Society of Orthodontists and Asia Pacific Orthodontic Congress. She is also a featured speaker at Invisalign conferences including the Invisalign EU Summit, Invisalign APAC Summit, the Invisalign Summit, USA.

In 2014, Dr. Sandra Tai was one of 6 members of the Clinical Review Committee for the Invisalign Gallery. Dr. Tai's cases have been published in the North America Invisalign Gallery. She is a member of Align Tech Faculty in North America and is currently involved in several clinical research projects and FDA clinical trials with clear aligners. Dr. Tai conducts Invisalign Immersion Courses in her private practice.

She is a Fellow of the College of Dental Surgeons of British Columbia and a Fellow of the Royal College of Dentists, Canada. Professional affiliations include memberships in the Canadian Association of Orthodontists, American Association of Orthodontists and International Dental Federation. She is also the founding member and past president of the Orthodontic Ties Seminars Study Club in Vancouver, BC, as well as the Vancouver Invisalign Study Club, where she mentors and trains dentists in the Invisalign system.

Rationale for 3D imaging in Our Practices: how can it improve patient care?

Dr. Lucia Cevidanes

3D imaging has recently innovated diagnostic records in our practices with 3D digital models, photographs and Cone Beam CT imaging. 3D images provide insight into dental compensations and skeletal changes in different approaches for orthopedic correction of Class II and Class III malocclusions. While longitudinal data for orthopedic correction is currently only short-term, surgical correction may also show remarkable post-surgical adaptations and relapse. The envelope of changes with orthopedic and surgical correction has now been updated with new understanding of 3D facial changes relative to the cranial base and with bone remodeling and response to growth and treatment.

LEARNING OUTCOMES:

- Be knowledgeable of challenges and limitations in 3D superimpositions and mirroring techniques
- Understand principles in photograph acquisition
- Standardization of head position and facial expression during acquisition
- Identify pros and cons in choices for hardware and software in Image Analysis
- Treatment outcomes of orthopedic and surgical treatment for correction of Class II and Class III skeletal malocclusions



Lucia Cevidanes DDS, MS, PhD has been a faculty in the Department of Orthodontics at the University of Michigan School of Dentistry, since July 2011. She was previously a faculty in the Department of Orthodontics at the UNC School of Dentistry. Dr. Cevidanes completed specialty training in 1994 and received PhD in 2003. She is a Diplomate of the American Board of Orthodontics. Her research interests include 3D imaging to solve difficult clinical problems in orthodontics, with particular interest in health and disease of the Temporomandibular Joints. She currently studies 3D outcomes of treatment approaches, including treatment for craniofacial anomalies and dentofacial deformities. She has both predoctoral and graduate clinical and didactic teaching responsibilities, serving as course director for six Orthodontic courses. She is the Predoctoral Orthodontic Clinic Director and see sees her own patients in the faculty associates practice. Dr. Cevidanes has published over 100 scientific papers on 3D imaging since 2003. Her work has been recognized by the American Association of Orthodontics Graber Award in 2005, the B F Dewel Award in 2006 for the best clinical papers in the AJODO, the American Academy of Oral and Maxillofacial Radiology Wuhermann Award in 2011, and the 2014 American Association of Orthodontics Millo Helman Research Award. Her work has been funded by K23, R03, R21 and R01 awards from NIH and Faculty Development and Biomedical Research awards from the American Association of Orthodontics Foundation.

Bruised, Broken and Bedeviled Teeth: Managing the Unexpected Dental Injury (Part 1 and 2)

Dr. Anthony DiAngelis

Traumatic dental injuries occur at the least convenient time and require of the practitioner a broad range of diagnostic and clinical skills. Learn about rapid diagnosis of traumatic injuries; assessing prognosis and future treatment; emergency splinting techniques; periodontal and restorative considerations. Contemporary management of luxation injuries, root fractures and coronal fractures will be presented. The lecture is amply illustrated with numerous case presentations. This presentation will provide an overview of treatment methods based on the most recently published Guidelines for the Management of Traumatic Dental Injuries published by the *International Association of Dental Traumatology*, with an emphasis on minimizing complications while enhancing prognosis.

LEARNING OUTCOMES:

- How to rapidly assess and document traumatic injuries
- How to provide emergency care and stage future treatment
- Which factors influence ultimate prognosis
- When and how long to splint injured teeth
- How to minimize complications associated with dentoalveolar trauma
- How to treat avulsion, luxation injuries, and root fractures of the primary and permanent dentition
- How to manage injuries of the immature vs mature permanent tooth



Anthony DiAngelis DMD, MPH is currently a professor at the University of Minnesota School of Dentistry and chief emeritus of dentistry at Hennepin County Medical Center. He is a 1969 graduate of Tufts University School of Dental Medicine and received an MPH from the University of Minnesota in 1976. Throughout his academic career, Dr. DiAngelis maintained a private practice in Minneapolis. He is a frequent guest lecturer both nationally and internationally. In 2006, he and his colleagues had the distinction of having their clinical research published in the New England Journal of Medicine, considered the leading medical journal world-wide, not typically known for publishing dental research. In 2007, the American Academy of Periodontology awarded him and his colleagues with The Clinical Research Award for the outstanding published manuscript of the year with direct clinical relevance and application to the practice of periodontics. In 2013, to mark its 100th anniversary, the Journal of the American Dental Association celebrated this milestone by spotlighting twelve articles that had had a significant impact on dental care and the dental profession over the preceding 100 years. One of Dr. DiAngelis' team's articles was selected for one of these landmark publications. Dr. DiAngelis has served or is currently serving on the editorial boards of *JADA*, *Quintessence*, and *International Association of Dental Traumatology*.