SYMposium Schedule:

**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

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

**Friday**
- 8:00 AM – 11:30 AM: Bruised, Broken and Bedeviled Teeth: Managing the Unexpected Dental Injury (Part 2) with Dr. Anthony DiAngelis

Conference Fees:

- **Symposium Fees:**
  - $195 Dentist
  - $695 CDA, RDH, technician, office staff and auxiliaries

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

Fairmont Orchid Resort Accommodation:
Special hotel reservations at the Fairmont Orchid Resort have been arranged for 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.

Cancellation Policy:
Full refunds less a $100 service charge will be granted for cancellations made 60 days prior to the course. Cancellations made between 30 to 60 days prior to the first day of the program will receive a 50% refund. No refunds will be granted for cancellations made less than thirty days prior to the first day of the program. Continuing Dental Education at The University of British Columbia reserves the right to cancel courses if deemed necessary by low enrollment, instructor cancellation or other unforeseen issues. In case of course cancellation a full refund will be issued.

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Dental education institutions have an obligation to disseminate new knowledge related to dental practice. Some presentations may include controversial materials or commercial references. Sponsorship of a continuing education course by The University of British Columbia does not imply endorsement of a particular philosophy, procedure or product by The University of British Columbia. Fee in full must accompany registration. The tuition fee is deductible for Canadian Income Tax purposes.

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54 years of advancing oral health through outstanding education, research and community services.
Clear Aligners: The Evolution of Future Orthodontics

Dr. Sandra Tai

Sandra Tai BDS, MS, Cert Ortho, FCDS (BC), FRCD (C) (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. Tai is currently a practicing specialist in Orthodontics in Vancouver, Canada.

Dr. 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 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, 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.

Dr. Tai was an invited 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 Trauma Study Club in Vancouver, BC, as well as the Vancouver Invisalign Study Club, where she mentors and trains dentists in the Invisalign system.

Clear Aligners: The Evolution of Future Orthodontics

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 (TADs) and Clear Aligners have revolutionized treatment planning possibilities for patients presenting with multiple dental issues requiring complex interdisciplinary treatment. This will be a comprehensive overview, demonstrating how presurgical orthodontic 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 restoring 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:
- 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

Rationale for 3D Imaging in Our Practices: how can it improve outcomes?

Dr. Lucia Cevidanes

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 University of British Columbia where 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 her own patients in the faculty associates practice. Dr. Cevidanes has published over 100 scientific papers on 3D imaging since 1996 and was the recipient of 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 Wihlerrn Award in 2011, and the 2014 Academic Council of Orthodontics Honors Research Award. Her work has been funded by K23, R01, R21 and R01 awards from NHI and Faculty Development and Biomediical Research Awards from the American Association of Orthodontics Foundation.

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 long-term stability 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

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Traumatic dental injuries occur at the least convenient time and require of the practitioner a broad range of diagnostic and clinical skills. Learn in this session how to assess prognosis and future treatment; emergency splitting 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 offer 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. Dental Traumatology is based 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 dentoleuvar 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

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

Dr. Anthony DiAngelis

Anthony DiAngelis DMD, MPH is currently a professor at the University of Minnesota School of Medicine and chief emissary of dentistry at Hennepin County Medical Center. He is a 1969 graduate of the University of Wisconsin School of Dentistry 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. Dr. DiAngelis was a recipient of 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 2016, Dr. DiAngelis was the recipient of the ABCD’s Award for Outstanding Clinical Research. Dr. DiAngelis served as editor of 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.