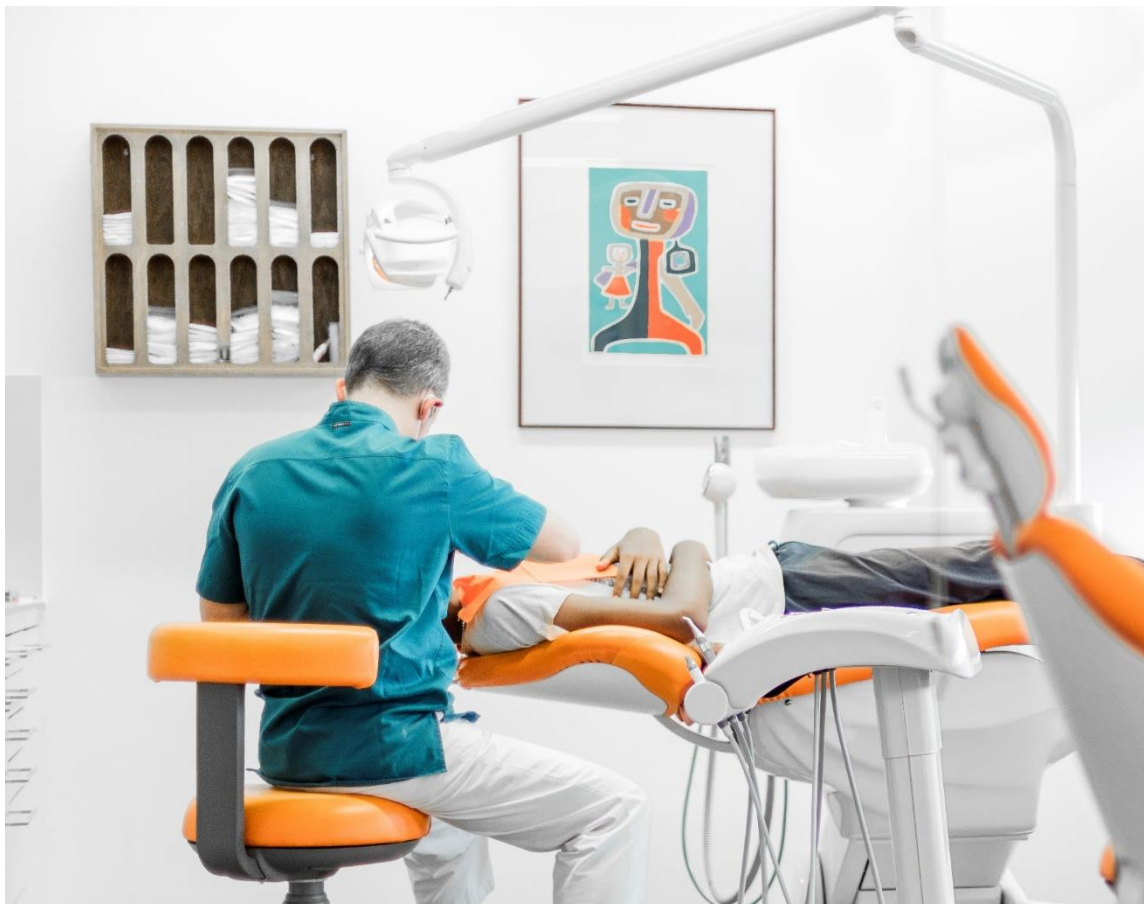




Continuing Education

OPENING CONFERENCE
Friday, December 15th, 2023



Centre Patronal, Rte du Lac 2, 1094 Paudex, Switzerland

With the support of:



Société vaudoise des
Médecins-dentistes



To Give Life a More Beautiful Smile

The *Olsburgh Smile Foundation* aims at promoting and improving the quality of orthodontic care and facilitating access to such care throughout Switzerland, in particular by contributing to the education of specialists in orthodontics and postgraduates in orthodontics.

It was established by Dr Steven Olsburgh, MS, shortly before he passed away on November 16th, 2022. It is recognised as a not-for-profit institution.

The Founder



Dr Steven Olsburgh obtained his dental degree and doctorate at the Geneva University. He then received his certificate in orthodontics and MS in Craniofacial Biology in 2003 under the direction of Prof. Sameshima at the University of Southern California (USC) where he then was Clinical Assistant Professor. Dr Olsburgh won prestigious awards, including the Ernest Métral Prize (Geneva University, 2001) and the Thomas M. Graber Award of Special Merit (American Association of Orthodontists, 2004). His specialisation in orthodontics was recognised by the SSO. Beloved by his patients, he practiced with passion his profession in his private practice from 2004 until his very last days. His academic and clinical excellence was widely recognized.

The Speaker



Prof. Dr Glenn T. Sameshima is the Chair, Program Director and Clinic Director of the graduate program in orthodontics at the Herman Ostrow School of Dentistry of the University of Southern California (USC), Los Angeles, California, USA. As a tenured professor, he has been teaching at USC for over 30 years and has served as chairman of the orthodontic program for 17 years. Prof. Sameshima is a Diplomat of the American Board of Orthodontics and has maintained a part-time private practice in Torrance, California, for over 30 years.

Prof. Sameshima is recognized as one of the world's experts on orthodontic root resorption. His book "Clinical Management of Orthodontic Root Resorption" is the first on the subject. He also published on many other topics ranging from effects of the pandemic on orthodontic practice, to digital transformation as well as clinical treatment outcomes in orthodontics. He has mentored dozens of theses and visiting scholars from many countries, and his students have won numerous awards including the Graber award twice, one of whom was Dr Steven Olsburgh.



OPENING CONFERENCE

By Prof. Dr Glenn T. Sameshima, DDS, PhD

PROGRAMME

- 8.15 am Welcoming
- 8.45 am **Tributes to Dr Steven Olsburgh, Presentation of the Foundation and Introduction of the Guest Speaker**
- 9.15 am **Clinical Management of Orthodontic Root Resorption**
- 10.45 am Break
- 11.15 am **Clinical Management of Orthodontic Root Resorption (continued)**
- 12.30 pm Cocktail Lunch
- 1.30 pm **The Orthodontic Periodontic Symbiosis**
- 3.00 pm Break
- 3.30 pm **Immersive 3D Virtual Reality Applications in Orthodontics**
- 5.00 pm **Questions & Answers and Conclusions**
- 5.30 pm End

The lecture will be given in English and grant 6.25 hours of certified continuing education.



ABSTRACTS – OPENING CONFERENCE OF 15.12.2023

Speaker: Prof. Dr. Glenn T. Sameshima, DDS PhD

Clinical Management of Orthodontic Root Resorption

This lecture will present the latest findings and information about external apical root resorption (EARR) caused uniquely by orthodontic tooth movement. Despite years of research and clinical experience, EARR remains an enigma but our current state of knowledge better positions us to manage EARR in our practices.

Key questions that will be answered in this presentation: What is our present understanding of the etiology of EARR? Who are the patients most at risk? Should you start treatment for a patient who already has short roots? How does the clinician manage EARR found at progress? How does the clinician manage EARR found at the end of treatment? What is the long-term prognosis for teeth with short roots? Is there higher or lower risk with new technologies and techniques?

The Orthodontic Periodontic Symbiosis

Orthodontic tooth movement requires skillful management of the periodontium and often times there are situations that require the direct intervention of the periodontist. Conversely the resolution of periodontal problems can often be facilitated with orthodontics. This lecture will discuss the interactions between orthodontists and periodontists, and how important communication is among all dentists providing care for interdisciplinary patients, illustrating all the major topics with clinical cases.

Topics to be covered include: How to diagnose common perio ortho problems in order to prevent them. Orthodontic treatment of adult patients with bone loss and loss of attachment. Moving teeth to optimize restorations. Managing impacted teeth especially maxillary canines. Update on accelerated tooth movement. Management of black triangle “disease,” and frenula.

Immersive 3D Virtual Reality Applications in Orthodontics

Immersive 3D Virtual Reality (VR) dominates the gaming industry with its high-end graphics, sound, and true three-dimensional experience. Current advances in technology have made it possible to create an environment that is extremely realistic and engaging to the user. This technology has been used in the graduate orthodontic department to create a virtual orthodontic learning environment, and a virtual case presentation room.

Learning objectives include defining: What is Immersive 3D Virtual Reality? How can it be used in dental/orthodontic education? How can it be used in clinical dentistry/orthodontics?

Learning outcomes:

1. The clinician will have a basic understanding of how VR works
2. Educators will learn the potential uses of Immersive 3D VR in teaching at all levels
3. Clinicians will learn how this can be used in the dental office.