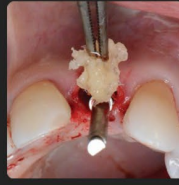


Demystifying Clear Aligner Orthodontic Therapy (CAOT)

Integration of CAOT with periodontal, implant and restorative therapy,



VISTAInstitute
for Therapeutic Innovations

Homa H. Zadeh

Cristina Sola

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Faculty



Homa H. Zadeh, DDS, PhD

Dr. Zadeh is a diplomate of the American Board of Periodontology. He received his Doctor of Dental Surgery degree from the University of Southern California (USC) Ostrow School of Dentistry, where he also served as full-time faculty and postdoctoral periodontology program director. He has also completed advanced clinical education in periodontology and earned a PhD degree in immunology from the University of Connecticut. Dr. Zadeh is internationally recognized for his clinical and scientific expertise. His clinical and scientific publication track ranges on topics from aesthetic and minimally invasive periodontal and implant surgery to tissue engineering. He served as the president of the Western Society of Periodontology in 2017. Dr. Zadeh directs the VISTA Institute for Therapeutic Innovations with blended educational pedagogy on a variety of clinically relevant topics. He also maintains a private practice limited to periodontology and implant surgery in Southern California.



Cristina Sola, DDS

Dr. Sola is a board-certified orthodontist who has been trained extensively both in Europe and the United States.

Dr. Sola began her professional pursuits at Universidad Complutense de Madrid (UCM) where she earned her Doctor of Dental Surgery, summa cum laude. She completed her orthodontic residency at the University of Southern California's Herman Ostrow School of Dentistry. During her last year of residency, she was honored to be named one of the top three best orthodontic residents of the year in the United States by the Journal of Clinical Orthodontics, where she got to publish one of her cases. Dr. Sola has extensive training in all aspects of orthodontics for kids, including Phase I and Phase II treatment, adult orthodontics, airway treatments and digitally customized treatment.

She has participated in multiple dental meetings as a lecturer. She works as a clinical advisor for InBrace® (digitally customized lingual braces) training and gives advice to other orthodontists. She has expertise in using lingual orthodontics.

Course Description

Inflammatory periodontitis results in many negative sequelae, including marginal bone loss, gingival recession, interdental tissue loss and pathologic migration of teeth. Periodontal therapy is designed to arrest the progression of attachment loss. Regenerative periodontal therapy can go one step further, seeking to restore some of the lost components of the periodontal attachment apparatus.

However, periodontal therapy alone is not adequate to restore optimal aesthetics and function. Adjunctive orthodontic therapy is quite useful to reposition teeth that have drifted as a result of pathologic migration. Moreover, tooth position can potentially predispose to attachment loss. For example, crowding and facially positioned roots are examples of potential predisposing factors to attachment loss and gingival recession. Treatment of recession defects is not as effective when teeth are positioned outside of the alveolar bone. Orthodontic therapy can optimize tooth position within the alveolar bone to improve the chances of root coverage periodontal surgery.

Implants are often needed in situations where adjacent teeth have drifted and in poor position. Orthodontic therapy can improve spacing of teeth to optimize implant positioning.

Multiple clinical trials and systematic reviews have demonstrated better periodontal parameters of clear aligner orthodontic therapy, compared with conventional fixed orthodontic appliances.

Recent improvements of digital tools have provided advantages of clear aligner therapy to reposition teeth. In particular, root torqueing aims to reposition cervical regions of roots back within the alveolar housing. Interproximal reduction can reduce the size of embrasure spaces to improve the aesthetics of “black triangles” without restoration. Drifted teeth can be repositioned to open spaces that were not optimal for implant positioning.

This course will review the adjunctive value of clear aligner therapy to enhance the aesthetic and functional outcomes of periodontal plastic surgery, as well as optimizing teeth position in preparation for implant therapy.

Educational Objectives

How clear aligner therapy works:

- Attachments
- Clear aligners material
- Digital technology: virtual planning software

Indications for clear aligner therapy:

- Classification of malocclusions
- Open bite
- Deep bite
- Crowding
- Spacing
- Black triangles

Clear aligner treatment considerations

- Rationale
- Case selection
- Limitations of clear aligner therapy

Ancillary devices clear aligner therapy:

- Microscrews as temporary anchorage devices
- Buttons
- Elastics

Biological considerations:

- Physiology of tooth movement

Orthodontic & periodontal therapy interactions:

- Effects of orthodontic therapy on periodontal parameters
- Periodontal considerations

Surgically facilitated orthodontic therapy (SFOT)

- Corticotomy
- VISTA for SFOT
- Bone augmentation
- Soft-tissue augmentation

Mucosal phenotype modification therapy (PMT)

- Rationale
- VISTA for phenotype modification therapy
- Biomaterial used for phenotype modification therapy
- Sequencing of soft tissue augmentation & clear aligner therapy

Implant and clear aligner therapy

- Clear aligner therapy for site development and optimization
- Sequencing of implant & clear aligner therapy

Risk assessment:

- Patient and site characteristics
- Management of patient/site risks
- Anatomic considerations and risks

Evidence-based therapy:

- Comparison of clear aligner therapy with conventional fixed appliance orthodontics
- Long-term outcomes

Limitations of clear aligner therapy:

Complications:

- Prevention and management

Retention options

Hands-on Workshop

- Introduction to virtual tooth position planning software
 - Tooth translation: mesial-distal, buccal-lingual
 - Intrusion-extrusion
 - Rotation
 - Crown angulation
 - Root torqueing

Educational Format

This course offers flexible educational format to accommodate all clinicians' needs and interests.

Participation may take place either:

- In-person or remotely (held over Zoom)
- Live (synchronous) or on-demand (asynchronous)

The hybrid education model provides some of the information in an online format so that, prior to the live presentations, participants have an opportunity to review the content and gain basic background information. This information is accessible on an on-demand basis.

Schedule for Live event

8:00 to 9:00 AM Registration & Breakfast
9:00 to 11:00 AMLecture
11:00 to 11:30 AMBreak
11:30 to 1:00 PMLecture
1:00 to 2:00 PM Lunch
2:00 to 3:15 PM Lecture
3:15 to 3:30 PM Break
3:30 to 5:00 PM Workshop: virtual planning software

Tuition

- \$995 Live In-Person
- \$795 Remote Learning: Lecture

CE units

- 14 hours

For registration and details of all policies, including refund and cancellation, see
www.learnVISTA.com