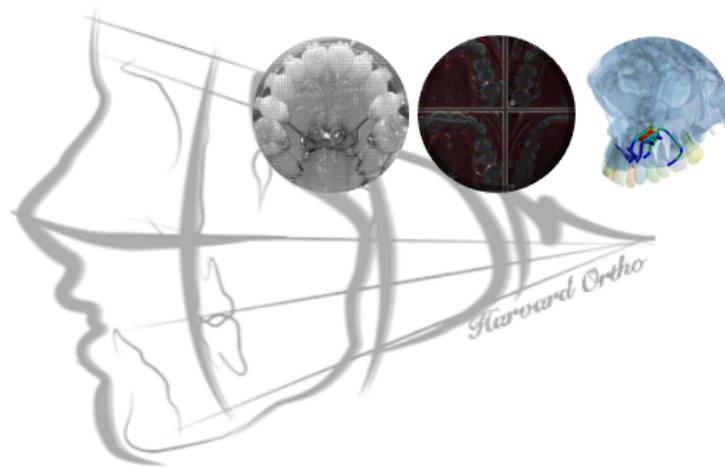




Skeletal Anchorage in Orthodontics - the Update!

May 14 & 15, 2021 - 10 CE Credits - Tuition \$200(2-Day Track) or \$100(1-Day Track - Choose Friday or Saturday)



Temporary anchorage devices (TADs) are an important tool in managing complex malocclusions in orthodontic patients. TADs are considered a relatively new treatment modality; therefore clinicians and orthodontic residents benefit from more practical exposure to them. During this course participants will learn how to implement surgical placement of TADs in the orthodontic practice setting. Moreover, they will learn how to utilize digital technology in virtual planning for TAD installation and 3D printing of orthodontic appliances. The course will focus on the mechanics and systems needed to successfully implement the use of TADs for complex cases treated with clear aligners. One of our speakers will show an analysis of 200 patients who had orthodontics as children and who sought re-treatment as adults. This symposium should provide an opportunity for residents and orthodontists to gain insight into furthering their treatment planning and expertise.

After completing the course, clinicians will have broader knowledge of:

- Understand Pros and Cons of different insertion sites for mini-implants and miniplates.
- Recognize the hard and soft tissue conditions to easily insert a mini-implant in the palate.
- Design optimal TAD borne mechanics based on the clinical treatment goal.
- Learn problems that might occur using skeletal anchorage
- Learn case selection for utilizing TADs in complex aligner cases
- Review biomechanics of TADs in complex aligner cases
- Understand how to implement surgical placement of TADs in the orthodontic practice setting
- The three important orthodontic conditions that account for 89% of patients who seek re-treatment as adults.
- Important insights to properly diagnose and treatment plan the high risk for instability (HRI) patients more effectively and efficiently.
- The importance of disciplined communication with patients who are at high risk for instability.
- Methods to reduce medico-legal concerns related to unmet patient expectations for the H.R.I patient group.

Lecture Schedule 5/14/21

No course prerequisites required.

Please note times are EST.

10:00am-12:00pm: The Rationale of Using TADs in Orthodontic Practice by Dr. Benedict Wilmes

Educational Objectives:

- Understand Pros and Cons of different insertion sites for mini-implants and miniplates.
- Recognize the hard and soft tissue conditions to easily insert a mini-implant in the palate.
- Design optimal TAD borne mechanics based on the clinical treatment goal.
- Learn problems that might occur using skeletal anchorage

12:00am-12:30pm: Break

12:30pm-2:30pm: Advanced Aligner Treatment with Skeletal Anchorage by Dr Alex Waldman

Educational Objectives:

- Learn case selection for utilizing TADs in complex aligner cases
- Review biomechanics of TADs in complex aligner cases
- Understand how to implement surgical placement of TADs in the orthodontic practice setting

2:30pm-3:00pm: Break

3:00pm-4:00pm: Lessons Learned from Patient Re-treatment by Dr. David Musich

Educational Objectives:

- The three important orthodontic conditions that account for 89% of patients who seek re-treatment as adults.
- Important insights to properly diagnose and treatment plan the high risk for instability (HRI) patients more effectively and efficiently.
- The importance of disciplined communication with patients who are at high risk for instability.
- Methods to reduce medico-legal concerns related to unmet patient expectations for the H.R.I patient group.

Lecture Schedule 5/15/21

*No course prerequisites required.
Please note times are EST.*

8:00am-1:30pm: Palatal Mini-implants, Pros and Cons of Different Mechanics for Different Treatment Goals by Dr. Wilmes Benedict

Educational Objectives:

- Understand Pros and Cons of different insertion sites for mini-implants and miniplates.
- Recognize the hard and soft tissue conditions to easily insert a mini-implant in the palate.
- Design optimal TAD borne mechanics based on the clinical treatment goal.
- Learn problems that might occur using skeletal anchorage

8:00am-9:00am: Upper Molar Distalization

9:00am-10:00: Upper Molar Mesializations & Molar Anchorage and En-Masse-Retraction

10:00am-10:15am: Break-Q&A

10:15am-11:15am: Rapid Palatal Expansion and Early Class III Treatment

11:15am-12:15pm: Interesting Cases in Oral Pathology: Systemic Diseases with Oral Manifestations and Other Diagnostic Challenges

12:15pm-12:30pm: Break-Q&A

12:30pm-1:30pm: TADs As Pontics & Alignment of Impacted Teeth

Course Faculty



Benedict Wilmes, Prof. Dr. med. dent.
University of Duesseldorf, Germany

Dr. Wilmes did a postgraduate training in oral surgery at the Department of Maxillofacial Surgery at University of Muenster, Germany. Subsequently, he received a postgraduate degree in orthodontics and dentofacial orthopedics at the University of the Duesseldorf, Germany. In 2013 he became Professor at the Department of Orthodontics at the University of Duesseldorf. Dr. Wilmes is author of more than 100 articles and textbook chapters. He is reviewer of numerous journals and has held more than 300 lectures and courses in 60 different countries all over the world. His primary interest is in the area of non-compliant and invisible orthodontic treatment strategies (TADs, lingual orthodontics and aligner). Dr. Wilmes was awarded the First Prize of the German Orthodontic Society in 2007, the First Prize of the European Orthodontic Society in 2009, the First Prize of the German Society for Lingual Orthodontics in 2018, and the Award of the International Academy of Clear Aligners in 2019. Dr. Wilmes is Associate Editor of the Journal of the Asian Pacific Orthodontic Society and an Active Member of the Angle Society (Eastern Component).

Conflict of Interest by Speaker: Co-founder of Tadman



Alex Waldman, DMD, MS
Waldman Orthodontics

Dr. Alexander Waldman has been in private practice in Beverly Hills, CA since 2003. Dr. Waldman received his dental degree from U. Penn and completed his orthodontic residency at Harvard, where he was the recipient of the Dr. Joseph Henry Award. He is board certified and enjoys treating complex and interdisciplinary cases. Dr. Waldman is passionate about technology and practice efficiency and has implemented a full digital workflow of custom appliances with Invisalign and LightForce. Dr. Waldman is the founder and director of the Total Aligner Planning System (TAPSorto), a continuing education course for orthodontists.

Conflict of Interest by Speaker: None Reported



David R. Musich, DDS, MS
University of Pennsylvania

Dr. Musich is a native Chicagoan. After completing his orthodontic residency at the Un. of Nebraska, he then spent the first five years ('71-'76) of his specialty career as a full-time assistant Professor of Orthodontics at the University of Pennsylvania School of Dental Medicine. In that position he became Director of Graduate Orthodontics; Acting Chairman, Department of Orthodontics; and Orthodontic Consultant to the Craniofacial Anomalies/Cleft Palate Team at Children's Hospital of the University of Pennsylvania. In 1976 he started his private practice in Schaumburg, IL. Dr. Musich has contributed two chapters to last five editions of Graber, Vanarsdall, & Vig's orthodontic text *Orthodontics: Current Principles and Techniques*. In addition he has published several articles on adult orthodontics, early treatment of Class III malocclusions, and the treatment of patients with special needs. David is currently retired from his full-time practice of orthodontics in Schaumburg, IL, but he continues to teach part-time as a Clinical Professor of Orthodontics at the U of Penn. He is ABO Certified, and a past president of Edward H. Angle Society of Orthodontics.

Conflict of Interest by Speaker: (Reliance Orthodontic Products) who markets, sells and provides a royalty to Dr. Musich for his patent involving the OrthoFlexTech Retention System.



Moderator of Session
Negin Katebi, DDS, DMSc
Harvard School of Dental Medicine

Dr. Negin Katebi is currently serving as the Interim Program Director of Orthodontics and the Director of pre-doctoral Orthodontics at Harvard School of Dental Medicine (HSDM). She is a Diplomate of the American Board of Orthodontics and runs a busy practice at the Harvard Dental Center Faculty Group Practice serving both children and adults.

Dr. Katebi received her dental degree (DDS) from Shahid Beheshti University of Medical Sciences in Tehran. To follow her passion for research, she joined Dr. Olsen's lab at HSDM as a postdoctoral fellow to study bone biology and extra cellular matrix for three years. She then completed her Orthodontic specialty training at HSDM and received the Doctor of Medical Sciences (DMSc) in Oral biology degree from Harvard University. During her residency, she was the recipient of the Harvard Presidential Scholarships for three consecutive years. She also won the first place in the prestigious Charley Schuultz Award presented by the American Association of Orthodontics (AAO). After completion of her training, she was invited to join the full-time faculty at Developmental Biology Department as an Instructor.

Register by May 13, 2021 to reserve your spot.

For more information visit the Harvard Dental School website:

<https://hsdm.harvard.edu/event/skeletal-anchorage-orthodontics-update?delta=0>

- Cancellation 7 days before the course will be eligible for full refund. No refund will be made within 7 days of the course date.
- Webinar will be presented via Zoom. Session login will be sent to your registered email address after completing registration.
- For more information contact: Christopher_Hickey@hsdm.harvard.edu

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- **Harvard School of Dental Medicine is an ADA CERP Recognized Provider.** ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. The Harvard School of Dental Medicine designated this activity for up to 10 continuing education credits.
- The New England Study Club will be supporting this event by providing the honorarium for Dr. Wilmes Benedict.