



Friday 28th May 2027
Noordwijk, The Netherlands
Grand Hotel Huis ter Duin



PROFESSOR JONATHAN SANDLER

(BDS (HONS) MSc PhD MOrth)

CHAIRMAN

Curriculum Vitae

- Since 1993 Consultant Orthodontist at Chesterfield Royal Hospital, UK.
- Contributor to 5 major multi-centre RCTs over the past 22 years on Class II treatment and dental implants to supplement anchorage.
- MOrth Examiner for the Royal College of Surgeons for 11 years and European Board Examiner for 5 years.
- Author of over 130 scientific articles, and has delivered over 160 lectures nationally and internationally.
- Chairman of the 8th World Orthodontic Conference organising committee 2008-2015.
- President of the Angle Society of Europe 2016-2018.
- President of the British Orthodontic Society 2018-2020.



AGENDA

TIME	SPEAKER	INFORMATION
08:30 - 09:00		Welcome coffee and registration
09:00 - 09:15		Introduction
09:15 - 10:15	Dr. Kieran Daly	Integrating TADs into a busy Orthodontic Practice
10:15 - 10:45		Q & A
10:45 - 11:15		Coffee break
11:15 - 12:15	Dr. Julia von Bremen	Size Matters: How Obesity Affects Orthodontic Care
12:15 - 12:45		Q & A
12:45 - 13:45		Lunch
13:45 - 14:45	Dr. Sunil Hirani	Contemporary approaches to anchorage in the 21st Century
14:45 - 15:15		Q & A
15:15 - 15:45		Coffee break
15:45 - 16:45	Dr. Ute Moser	Have the Final Days of Fixed Appliances Already Arrived?
16:45 - 17:15		Q & A

INTEGRATING TADS INTO A BUSY ORTHODONTIC PRACTICE

This presentation reviews the evolution of orthodontic biomechanics, from the straight wire appliance to modern temporary implant-supported skeletal anchorage. Drawing on decades of clinical experience, Dr. Daly will share practical insights, including early successes and challenges with skeletal anchorage. The lecture will highlight how 3D digital technology has simplified implant placement and appliance fabrication, improving efficiency and predictability. Attendees will learn practical protocols for incorporating skeletal anchorage into everyday orthodontic practice.

Key topics include:

Choosing the right anchorage solution for different malocclusions.

Building an effective clinical team.

Understanding the benefits and limitations of skeletal anchorage.

Applying simple, predictable techniques to improve patient outcomes.

Learning Objectives

- A summary of the evolution of straight wire mechanics and its applications to skeletal anchorage.
- How to use 3D technology for the implementation and application of skeletal anchorage.
- How to design and apply effective straight wire biomechanics and when to use skeletal anchorage.
- How to decide when skeletal anchorage offers advantages to you and your patients.

DR. KIERAN DALY

Curriculum Vitae



Dr. Kieran Daly is a Dublin-based orthodontist practicing in a technology-driven interdisciplinary center. He provides comprehensive orthodontic care, from mixed dentition cases to complex multidisciplinary treatments. His practice features a modern digital in-house laboratory with extensive expertise in skeletal anchorage appliances. He also teaches and mentors postgraduate orthodontic students from Trinity College Dublin. Dr. Daly is the only Irish orthodontist accredited by both the European Board of Orthodontics and the Angle Society of Europe. His qualifications include an Honors Degree in Dental Science, an Honors Master's Degree in Orthodontics, FACE Advanced Orthodontics Certification, fellowships and memberships from the Royal Colleges of Surgeons in Ireland and Edinburgh, and he serves as an Examiner for the European Board of Orthodontics.

SIZE MATTERS: HOW OBESITY AFFECTS ORTHODONTIC CARE

This lecture explores how childhood obesity can affect orthodontic treatment and lead to unexpected clinical challenges. Participants will gain insight into the impact of obesity on oral hygiene, periodontal health, sleep-related disorders, and tooth movement due to changes in bone metabolism. Practical strategies will be presented to help clinicians adapt treatment planning, improve patient compliance, and achieve successful outcomes in this growing patient population.

Learning Objectives

By the end of this lecture, participants will be able to:

- Recognize the clinical challenges associated with childhood obesity in orthodontic practice.
- Manage increased risks related to oral hygiene and periodontal health.
- Understand the effects of altered bone metabolism on orthodontics tooth movement.
- Identify signs of obstructive sleep disorders and adapt treatment planning accordingly.
- Apply effective communication and motivational strategies to improve patient cooperation and well-being.

DR. JULIA VON BREMEN

Curriculum Vitae



Dr. Julia von Bremen studied dentistry at Justus Liebig University Giessen, where she also completed orthodontic specialization under the mentorship of Prof. Hans Panherz. She later worked as a senior clinician and researcher at the University Hospital Giessen and Marburg, focusing on Class II treatment and orthodontic care for patients with juvenile idiopathic arthritis and obesity. Since 2025, she has continued her scientific work in the orthodontic practice of Prof. Dr. Dirk Wiechmann. Today, she combines clinical expertise, research, and international lecturing with a strong passion for people-centered orthodontics in the digital age. Dr. von Bremen is a certified neuroscience coach, editor in chief for Kieferorthopädie by Quintessenz and an active member of the Angle Society of Europe.

CONTEMPORARY APPROACHES TO ANCHORAGE IN THE 21ST CENTURY

The specialist orthodontist is now expected to treat complex malocclusions in daily clinical practice.

Patients expect aesthetic appliances as part of this solution. Use of these appliances with Temporary Anchorage Devices (TADS) is mandatory for a successful clinical practice as well as enhancing outcomes to obtain idealistic goals. A myriad of challenges present when dealing with the transverse, vertical and sagittal planes that necessitate skilled use of skeletal anchorage. How to combine the use of aesthetic appliances with TADS poses a dilemma for the orthodontist as many are unsure of the stages or sequencing required. Clinical practice has also increasingly become digital especially in the use of diagnostic tools and digital workflow to reduce the number of appointments required and to ensure greater precision during miniscrew placement. An excellent knowledge of anatomy is required to maximise miniscrew placement as well as understanding the variability

in success rates depending on the location used within the oral cavity. When are TADS required for fixed appliances? When are TADS required for clear aligners?

This presentation aims to explore the research associated with TAD placement and how best to utilise this with clear aligners and fixed appliances.

Learning Outcomes:

- How to treat complex malocclusions in all 3 planes of space using skeletal anchorage.
- When are TADS needed with fixed appliances and when are they needed with clear aligners.
- Why aligners can't solve all malocclusions easily.
- Examples of Dealing with Challenging malocclusions and clinical tips.

DR. SUNIL HIRANI

Curriculum Vitae



Dr. Sunil Hirani is a triple board-certified orthodontist and founder of a leading specialist clinic in Milton Keynes, UK, known for treating complex orthodontic cases. He receives referrals from orthodontists and dentists nationwide and has particular expertise in clear aligners, lingual and labial orthodontics, and skeletal anchorage. A strong advocate of patient-centred care, Dr. Hirani is the recipient of the prestigious Maurice Berman Award for Clinical Excellence from the British Orthodontic Society. He is board certified in lingual orthodontics by both ESLO and WSLO and is an internationally recognised speaker, having lectured at major conferences worldwide. His areas of interest include orthodontic finishing, aligner and lingual biomechanics, and skeletal anchorage, with numerous publications in leading orthodontic journals.

HAVE THE FINAL DAYS OF FIXED APPLIANCES ALREADY ARRIVED?

While research has evidenced that patients prefer clear aligners over fixed appliances with a reported better Quality of Life during therapy and equal satisfaction with the final result, objective assessment of treatment quality has led to conflicting evidence especially of aligner performance in moderate to difficult malocclusions. Certain tooth movement like substantial rotations, large bodily movements, true torque control and extrusion/intrusion cannot be reliably predicted and will therefore either require longer treatment or surrendering to inferior results. The speaker will illustrate several clinical situations in which traditional fixed appliances will still be the first biomechanical choice especially regarding treatment efficiency.

Learning objectives:

- To understand the nuts and bolts of clear aligner performance.
- To learn for which envisioned treatment outcomes fixed appliances should still be the first biomechanical choice.
- To acknowledge where 'hybrid' treatment approaches can be suitable options to combine the 'best of two worlds'.
- To gain a thorough insight into the state-of-the-art evidence-based literature on the topic.

DR. UTE MOSER

Curriculum Vitae



DDS University of Mainz (Germany) and Specialty Degree in Orthodontics University of Ferrara (Italy)

40 years in private practice together with Lorenz in Bolzano (Italy)

Diplomate of the Italian Board of Orthodontics

Visiting Professor University of Ferrara (Italy) and Adjunct Clinical Professor UPENN (USA)

Past President Italian Academy of Orthodontics

Past President Eastern Component E.H. Angle Society of Orthodontists

Past President Italian Society of Orthodontics

VENUE

Grand Hotel Huis ter Duin
Koningin Astrid Boulevard 5,
2202 BK Noordwijk aan Zee, The Netherlands
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<https://huisterduin.com/>

TUITION

Early bird: 499€ per person incl. VAT
After November 30th 2026: 575€ per person incl. VAT
Tuition includes: lectures, lunch and drinks.
You are responsible for transportation and lodging.

CE will be awarded following the event.

Lectures presented in English



For registration, please scan the QR code or email Onno van Harmelen:
ovanharmelen@americanortho.com