ORGANISED BY THE
COLLEGE OF GENERAL DENTAL PRACTITIONERS
SINGAPORE

2-DAY LECTURE
+ 1-DAY HANDS-ON WORKSHOP

THE ORTHO RESTO CONNECTION

SINGAPORE

14–16 MAY 2027

voco Orchard Singapore

**One diagnosis. One plan.
Two disciplines.**

Reconnecting orthodontics and restorative dentistry through biology, function & airway



SPEAKER

Dr Christian Leonhardt

Prosthodontist · MSc Orthodontics

SPEAKER

Dr Clemens Paffenholz

General Dentist · MSc Orthodontics · DT

THE COURSE

WE ARE NOT TEACHING ORTHODONTICS. WE ARE NOT TEACHING RESTORATIVE DENTISTRY. WE ARE TEACHING HOW TO DECIDE.

Modern dentistry no longer allows orthodontics and restorative dentistry to be planned in isolation. Stability, aesthetics, function, periodontal health and airway are biologically inseparable. Over three days, this course gives you a structured, non-dogmatic framework that replaces opinion-based execution with assessment-driven diagnosis, risk management and interdisciplinary decision-making. Participants leave with clear protocols, structured workflows and planning clarity — not new doctrines.

KEY FOCUS AREAS

- Ortho–resto as one integrated planning system
- Facially generated treatment planning
- Function, biomechanics & periodontal limits
- Airway as a scientifically grounded clinical pillar
- Decision trees instead of beliefs
- Protocols instead of dogmas

DAY 01 · FRI 14 MAY

DIAGNOSIS BEFORE DISCIPLINE

Lectures · case discussion

DAY 02 · SAT 15 MAY

DECISION-MAKING & RISK ANALYSIS

Lectures · integrated case workflows

DAY 03 · SUN 16 MAY

HANDS-ON TREATMENT PLANNING WORKSHOP

Add-on workshop · S$800

WHO SHOULD ATTEND

- **General dental practitioners**
- **Orthodontists**
- **Prosthodontists**
- **Anyone seeking clarity in complex treatment planning**

KEY MESSAGES

01 Orthodontics is planned in the face first — and on the teeth second.

02 Restorative dentistry without orthodontic thinking is incomplete.

03 Orthodontics without restorative vision is short-sighted.

04 Airway is a biological reality, not a marketing concept.

05 Protocols create clarity — dogmas create conflict.

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DR CHRISTIAN LEONHARDT × DR CLEMENS PAFFENHOLZ

DAY 01 · FRIDAY 14 MAY · 08:00–17:00

DIAGNOSIS BEFORE DISCIPLINE





[07:30] REGISTRATION & WELCOME

08:00–10:30

- **Why orthodontics and restorative dentistry can no longer be planned separately** — ORTHO
- **The end of tooth-driven thinking** — PROSTHO
- **Why Angle classification is not a treatment planning concept** — ORTHO
- **From occlusion to biology: what really drives stability** — PROSTHO

10:30–11:00 TEA BREAK

11:00–12:30 — **Assessment as the common language**

Facial analysis (static & dynamic) · Skeletal vs dental compensation · Periodontal and biological limits · Functional and biomechanical boundaries

GENERAL

12:30–13:30 LUNCH

13:30–15:00 — **Airway and facially generated treatment planning**

Planning from the face → jaws → teeth · Outside-in vs inside-out concepts · Aesthetic goals vs biological reality

PROSTHO

15:00–15:30 TEA BREAK

15:30–17:00 — **Case discussions: when ortho drives resto — and when resto drives ortho**

Adult cases

ORTHO + PROSTHO · CASE DISCUSSION

BY THE END OF DAY 1, YOU WILL

- Plan from the face to the jaws to the teeth, not tooth by tooth
- Use one shared assessment across ortho and restorative work
- Recognise when ortho should drive resto, and when resto should lead

DAY 02 · SATURDAY 15 MAY · 08:00–17:00

DECISION-MAKING & RISK ANALYSIS





08:00–10:00	**Risk management as the core of modern dentistry** Dental risk · Periodontal risk · Functional risk · Airway risk · Biomechanical risk	GENERAL
	Biomechanics & periodontology in context Tooth movement vs bone, attachment and time · Restorative design under orthodontic forces	ORTHO
10:00–10:30	TEA BREAK	
10:30–11:30	**Airway as a central pillar — scientifically grounded** Airway is not a trend — it is anatomy, growth and development · Indications, limitations, misconceptions · Decision trees instead of beliefs	AIRWAY
11:30–12:30	**Ortho–resto decisions in airway-compromised patients**	ORTHO + PROSTHO
12:30–13:30	LUNCH	
13:30–14:30	**Understanding growth and development: can we prevent it in the first place?** Our responsibility to identify problems early	PAEDS
14:30–15:00	TEA BREAK	
15:00–17:00	**Integrated case workflows** Simple → complex · Stable → unstable · Young → adult	ORTHO + PROSTHO · CASE DISCUSSION

BY THE END OF DAY 2, YOU WILL

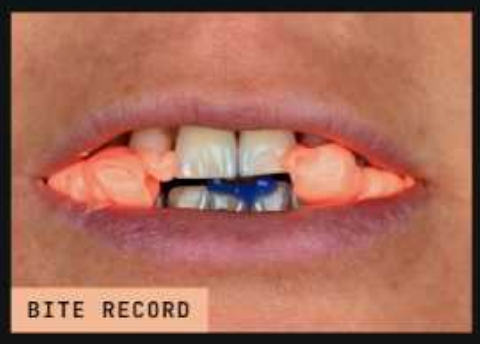
- Assess dental, periodontal, functional, airway and biomechanical risk before choosing treatment
- Know what tooth movement can and cannot do within bone, attachment and time
- Use decision trees for airway-compromised and growing patients

DAY 03 · SUNDAY 16 MAY · 08:00–17:00 · ADD-ON WORKSHOP · 40 PLACES

HANDS-ON TREATMENT PLANNING WORKSHOP

Practise on each other in pairs: fit a deprogrammer, take a bite record, mount models of your own teeth and assess your bite. Then plan a live patient with the speakers, and real cases in small groups.


DEPROGRAMMER


BITE RECORD


MYOFUNCTIONAL


CASE PLANNING

08:00–10:30	**Deprogrammer fitting and patient risk assessment** HANDS-ON IN PAIRS Fitting, adjusting and checking a deprogrammer · Medical and dental questionnaires: what to ask and why · Airway and myofunctional screening	
10:30–10:45	TEA BREAK	
10:45–12:30	**Functional bite records and assessing your own bite** HANDS-ON IN PAIRS Taking and verifying a functional bite record · Develop a systematic method for identifying and describing occlusal differences between MIP and the recorded CR position	
12:30–13:30	LUNCH	
13:30–15:00	**Live patient: from records to treatment plan** LIVE DEMO A full assessment on one patient: interview, photography, radiographic imaging, digital scans, bite registration, jaw tracking · See how the data collection is done and put together to develop a treatment plan by the instructors.	
15:00–15:15	TEA BREAK	
15:15–17:00	**Case-based planning in small groups** GROUP WORK Interpreting complete records on prepared cases · Choosing between monitoring, restorative, orthodontic or combined treatment · How the speakers would plan each case	

BEFORE THE WORKSHOP

The workshop is open to delegates registered for the lecture days. A short preparation guide will be sent to you after registration.

YOU LEAVE WITH

A clear, repeatable workflow you can use with your own patients: take a reliable bite record, mount the models, analyse the jaw movement, establish a diagnosis, and incorporate it into your clinical decision making.

WORKSHOP SPONSORS

SA DENTAL | SHINING 3D DENTAL | acodent Singapore



DR CHRISTIAN LEONHARDT

Specialist in Prosthodontics · 2× M.Sc. Orthodontics · Specialist in Esthetic Dentistry (DGÄZ)

Christian studied dentistry at the University of Würzburg and has owned his multidisciplinary practice in Augsburg, Germany, since 2011. He lectures internationally on interdisciplinary treatment planning, contemporary orthodontics, digital dentistry, airway, function and AI, and has spoken at the Kois Symposium in 2021, 2023 and 2025.

- Kois Center Graduate 2019 · Kois Center Mentor 2022
- Affiliate, European Academy of Esthetic Dentistry (EAED)
- Advanced education in periodontology (Zucchelli; Hürzeler & Zuhr), implantology, endodontics and function
- Founder & Clinical Director, The Art of Dentistry
- Founder & Organiser, Vienna Airway Congress · Founder, Open Airway Curriculum
- Key opinion leader: Diagnocat, Modjaw & Smilecloud

DR CLEMENS PAFFENHOLZ

General Dentist · M.Sc. Orthodontics · Dental Technician

Clemens trained as a dental technician in Cologne before studying dentistry at the University of Freiburg. He brings orthodontics, periodontology and prosthodontics together in his work at a multidisciplinary practice in Augsburg, Germany.

- Dental Technician, Cologne
- Dental education, University of Freiburg
- Master of Science, Orthodontics
- Master Clinician, Periodontology & Implantology (Hürzeler/Zuhr, Munich)
- Advanced Education in Prosthodontics (Spear, AZ, USA)
- Kois Center Graduate 2025 (Seattle, WA, USA)
- Founder & Organiser, Vienna Airway Congress



CASE 01 · FUNCTIONALLY DRIVEN PROSTHODONTICS

FUNCTIONAL FULL MOUTH REHABILITATION

A worn dentition restored with porcelain on every tooth, with prep jigs and preparation guides used to control tooth preparation.

01 · BEFORE







02 · TOOTH PREPARATION · PREP JIGS & PREPARATION GUIDES



PREP JIG



PREPARATION GUIDE



PREPARATION GUIDE

03 · AFTER · PORCELAIN ON ALL TEETH







CASE 02 · ORTHODONTICS + PROSTHODONTICS

ORTHODONTICS PLANNED WITH FINAL RESTORATIVES IN MIND

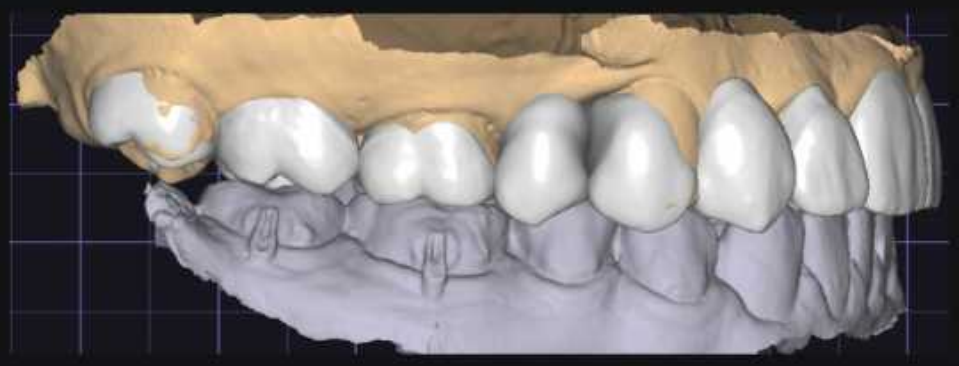
Missing teeth and spacing. Braces redistributed the space first, a mock-up trialled the final restorations in the mouth, and the restorations were then placed with minimal preparation.

01 · BEFORE & AFTER ORTHODONTICS


BEFORE


AFTER ORTHODONTICS

02 · DIGITAL DESIGN & TRIAL MOCK-UP





03 · MINIMAL PREPARATION & CERAMICS


MINIMAL PREPARATION


CERAMICS

04 · AFTER





CASE 03 · AIRWAY DRIVEN FULL MOUTH REHABILITATION

AIRWAY-DRIVEN ORTHODONTIC APPROACHES WITH IMPLANTS

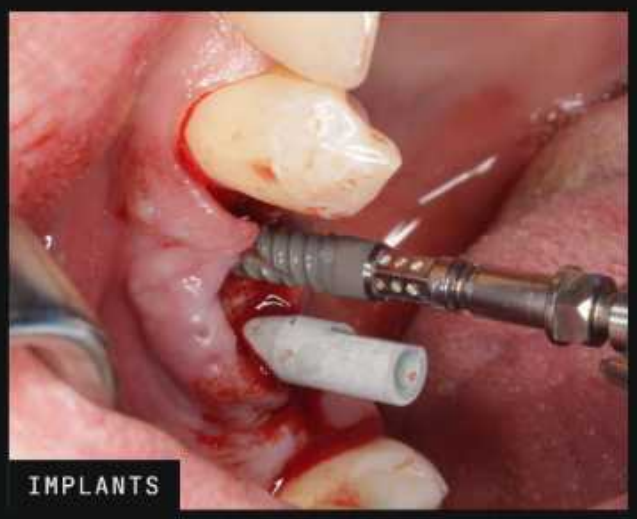
A patient with significant airway issues and missing teeth. Treatment combines skeletal expansion and orthodontics with myofunctional training (not pictured), and implants to replace the missing teeth.

01 · BEFORE, TADS & IMPLANTS





TADS



IMPLANTS

02 · SKELETAL EXPANSION





03 · AFTER EXPANSION



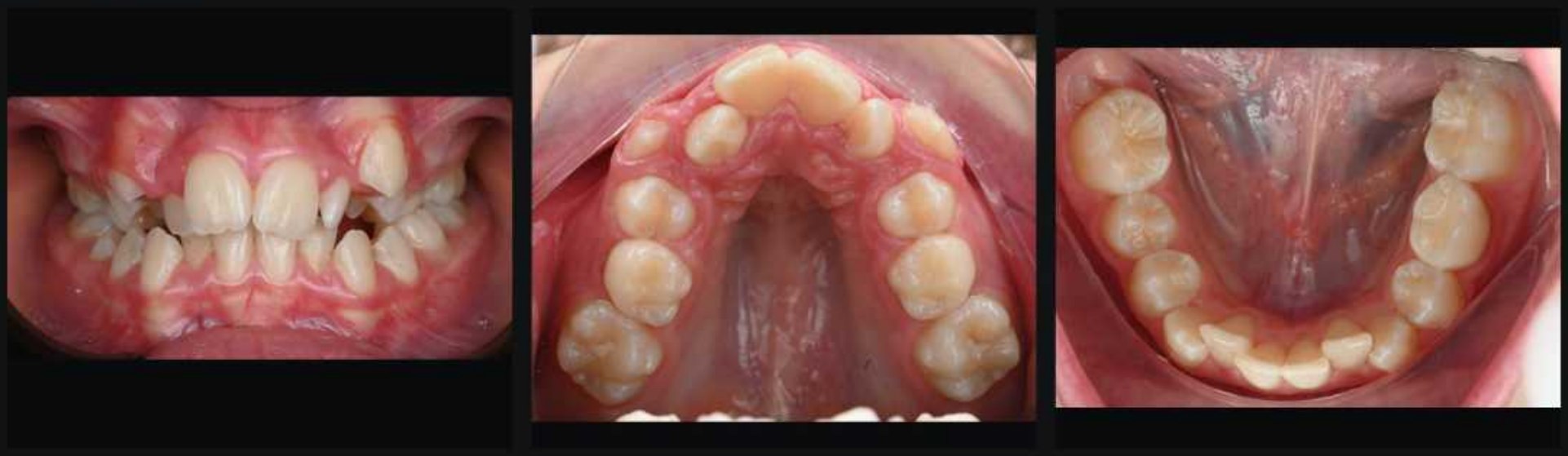


CASE 04 · GROWTH & FUNCTION

COMBINED ORTHODONTIC APPROACHES FOR GROWTH AND FUNCTION

A growing patient treated with hyrax expansion and simultaneous braces, now moving into the aligner and mandibular advancement phase.

01 · INITIAL



02 · HYRAX EXPANSION WITH SIMULTANEOUS BRACES





BEFORE EXPANSION



AFTER EXPANSION

03 · ALIGNERS & MANDIBULAR ADVANCEMENT · CURRENT PHASE





REGISTRATION

SECURE YOUR SEAT

"This course does not promise better techniques. It delivers better decisions."

LECTURE · DAYS 1–2	EARLY BIRD	REGULAR
CGDP member	S$850	S$950
Non-member	S$1,050	S$1,150

ADD-ON · DAY 3

Hands-on treatment planning workshop

S$800

Flat fee · members and non-members

Early bird rates close on 28 February 2027. Workshop places are limited to [40] participants, and you must register for the lecture days to join the workshop.

DATES
Fri 14 – Sun 16 May 2027
08:00–17:00 daily

VENUE
voco Orchard Singapore
581 Orchard Road

CPE POINTS
[TBC]

INCLUDED
[Lunch, tea breaks, workshop materials]

REGISTRATION OPENS

Friday 27 November 2026

Follow @CGDP_Singapore for the registration link · Enquiries: info@cgdp.org.sg

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TERMS & CONDITIONS

Registration and payment via website only. Registration is on a first-come, first-served basis and is valid only upon full payment. CGDP reserves the right to amend any part of the programme without prior notice, and to cancel or postpone the programme or change its venue, date and time. Only current CGDP members are entitled to member rates.

Refunds: cancellations must be made by email to info@cgdp.org.sg. Cancellations received before 15 March 2027 will be refunded less an S$300 administrative fee. There will be no refunds for cancellation or non-attendance after 15 March 2027.