



SEMINAR & DEMO

PROF FALK SCHWENDICKE, GERMANY

5CE
Credits

AI-driven diagnostics and decision architecture in the ortho-restorative era



DATE:

13 Nov 2026
12:00 - 18:00



LOCATION:

Dubai | UAE



TARGET AUDIENCE:

General Dentistry, Digital Dentistry

Abstract

This seminar equips clinicians with practical tools to integrate artificial intelligence into daily diagnostics without losing clinical authority. Participants begin with a clear, structured understanding of how AI works, what it can do reliably, and where its limitations lie. From there, the demo moves into real clinical application: intraoral scans as diagnostic sensor platforms, radiographic AI for bone and caries quantification, and cross-modal case interpretation combining scan, X-ray, and AI outputs. A dedicated strategic block addresses competitive positioning in high-performance markets, showing how diagnostic intelligence strengthens patient trust, supports premium positioning, and differentiates practices beyond simple technology ownership.

The demo concludes with integrated cases where participants align radiographic AI, scanner data, risk modeling, and orthodontic planning into structured decision architecture. It is a clinical seminar on using AI as a decision-support tool — not a decision-maker — to elevate diagnostic precision, professional confidence, and competitive positioning. The future of dentistry will not belong to those who work faster. It will belong to those who think better.

Learning Objectives

- Interpret AI-supported radiographs with clinical accuracy and responsibility.
- Utilize 3D scan data for longitudinal monitoring of wear and risk progression.
- Translate risk probabilities into clear, actionable treatment thresholds.
- Recognize and mitigate automation bias in AI-assisted decision-making.
- Document AI-supported clinical decisions in a safe and compliant manner.
- Communicate quantified risk effectively to high-expectation patients.

REGISTRATION & PRICING

Agenda

- | | |
|---------------|--|
| 12:00 – 13:00 | From Detection to Decision <ul style="list-style-type: none">• When does an AI finding become clinically actionable?• How to define treatment thresholds based on probabilities |
| 13:00 – 14:00 | Lunch |
| 14:00 – 15:00 | Radiographic AI in Practice (Demo) <ul style="list-style-type: none">• Interpreting AI overlays and quantitative outputs• Recognizing false positives and system limitations• Managing discrepancies between AI and clinician judgment |
| 15:00 – 16:00 | 3D Scans as Diagnostic Sensors <ul style="list-style-type: none">• Using intraoral scans for longitudinal monitoring• Detecting wear, movement, and structural change• Separating true signal from noise• Integrating Data: Scan + X-ray + AI• Combining multiple data sources into a coherent diagnosis• Decision-making under conflicting information |
| 16:00 – 17:30 | Large Language Models in the Practice <ul style="list-style-type: none">• Practical use cases: documentation, structuring, communication• Why LLMs can perform well in theory but fail in real-world settings• Prompt design for reliable and controlled outputs• Human-AI interaction models (Cyborg vs. Centaur) Decision Architecture & Team Integration (Demo) <ul style="list-style-type: none">• Translating risk into consistent treatment decisions• Aligning clinicians and staff around shared interpretation standards• Structuring and documenting AI-supported decisions |
| 17:30 – 18:00 | The Next 5–10 Years <ul style="list-style-type: none">• Predictive and continuous monitoring in dentistry• AI-driven treatment simulation• The realistic role of robotics• Strategic positioning beyond technology ownership |

Organised by



Supported by



CAPP EVENTS & TRAINING L.L.C

Onyx Tower 2 | Office P204 & P205 | The Greens | Dubai | UAE
Mob/WhatsApp: +971502793711
E-mail: events@cappmea.com | Web: www.cappmea.com/courses

ADA C-E-R-P® | Continuing Education Recognition Program

CAPP Events & Training 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 activities or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

CAPP Events & Training designates this activity for 5 CE Credits