

Veneers, onlays and crowns: Full digital workflow for aesthetic dentistry

HANDS-ON TRAINING



Assoc Prof Gülce Çakmak, Turkey

7CE
Credits



DATE:

12 Nov 2025
09:00 - 18:00



LOCATION:

CAPP Training Institute
Dubai | UAE



TARGET AUDIENCE:

General Dentistry, Cosmetic Dentistry,
Prosthodontics, Restorative Dentistry,
Digital Dentistry

Abstract

This interactive hands-on workshop is designed to give clinicians a complete, practical understanding of the chairside 3D printing workflow for veneers, onlays, and crowns. From the first digital scan to the final seated restoration, participants will experience every step of the process with guided, hands-on instruction and clinical insight.

We will walk through the entire A-to-Z workflow—starting with intraoral scanning, followed by digital design, 3D printing setup, post-processing, characterisation, and final delivery. At each stage, you'll learn clinical tips and tricks to improve accuracy, efficiency, and predictability, enabling you to confidently implement same-day restorative solutions in your practice.

A special focus will be given to achieving high-end esthetic outcomes for veneers, where subtlety and detail matter most. Participants will observe and practice cutback techniques and staining protocols to enhance translucency, texture, and natural appearance. Different resin materials and their indications will be explored, helping you choose the best options for both provisional and long-term restorations.

We'll also compare DLP, SLA, and LCD printing technologies, evaluate key parameters like print orientation and curing settings, and guide you through troubleshooting and optimisation strategies. Relevant literature will be discussed throughout the workshop to support clinical decision-making with evidence-based insights. Real case examples will illustrate how 3D printing offers design flexibility and time savings that go beyond traditional milling systems.

By the end of the workshop, you will have completed a full chairside workflow and gained practical skills to immediately apply in your clinic. Whether you're new to digital dentistry or looking to elevate your current protocols, this hands-on experience will provide you with a repeatable, esthetic-driven workflow—from scan to smile.

Learning Objectives

- Discuss the advantages and limitations of chairside 3D printing compared to traditional milling in restorative dentistry.
- Explain the complete digital workflow from intraoral scanning to final delivery of 3D-printed veneers, onlays, and crowns.
- Demonstrate the setup, operation, and optimisation of 3D printing systems for in-office use.
- Explain the selection and handling of resin materials based on clinical indications, esthetic requirements, and mechanical performance.
- Demonstrate esthetic enhancement techniques, including cutback, staining, and polishing, to achieve lifelike results for printed veneers.

Registration & Pricing

Agenda

09:00 – 09:45	Lecture <ul style="list-style-type: none">• Digital Chairside Dentistry: Concepts & Benefits• Digital Smile Design & AI integration Hands-on <ul style="list-style-type: none">• Digital Smile Design (Smilecloud Software)
09:45 – 10:45	Lecture <ul style="list-style-type: none">• Ideal Preparations for Different Restorations for 3D Printing• Tricks for Intraoral Scanning• CAD Design for Different Restorations Hands-on <ul style="list-style-type: none">• Intraoral Scanning: Protocols & Tricks• Restoration Design with AI Software
10:45 – 11:15	Coffee break
11:15 – 11:45	Lecture <ul style="list-style-type: none">• Why 3D printing?• How is the 3D Printer Technology and Resin Material Selection Should be?• What is the Scientific Background Behind Success?
11:45– 13:00	Hands-on <ul style="list-style-type: none">• 3D Printer Machine Parts• Using Nesting Software and Setting Printing Parameters• 3D Printer Machine Parts• Sending Objects for 3D Printing Lecture <ul style="list-style-type: none">• Literature Overview on Different Restorations & Case Discussions
13:00 – 14:00	Lunch break
14:00 – 15:45	Lecture <ul style="list-style-type: none">• How to Apply Correct Postprocessing Procedures (Washing & Curing)?• How to Achieve Ideal Surface Properties?• How to Achieve Natural Appearance Through Color Blending and Edge Effects? Hands-on <ul style="list-style-type: none">• Postprocessing Procedures (Washing with Different Washing Solutions & Curing)• Polishing Techniques• Staining, Characterisation, and Glazing Protocols for Monolithic Restorations
15:45 – 16:00	Coffee break
16:00 – 17:45	Lecture <ul style="list-style-type: none">• Cut-back vs Monolithic Veneer Restorations: Clinical Indications• Design Strategies for Different Cut-back Veneers• Layering Techniques for Incisal Translucency and Mamelons Hands-on <ul style="list-style-type: none">• Creating Mamelons and Internal Effects for Aesthetic Finishing in Cut-back Applied Veneers using Layering Techniques Lecture and Hands-on <ul style="list-style-type: none">• Try-In and Cementation Procedures• Post-operative Care
17:45 – 18:00	Q&A

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