



Academy of Prosthodontics 2026 Annual Scientific Session The Boca Raton Hotel, Boca Raton, FL | May 27-30, 2026

Program Speaker – Taiseer Sulaiman, DDS, PhD, FICD

Title

The Additive Evolution: A Clinician's Guide to the Evidence Base of Additive Manufacturing

Abstract

The rapid evolution of additive manufacturing (AM) is fundamentally shifting the restorative and prosthodontic landscape from the laboratory to the chairside. For the modern clinician, the challenge lies in navigating the hype to identify technologies that deliver predictable, high-strength results.

This clinical presentation removes the technical language and focuses on the most recent evidence-based improvements in 3D-printed resins. The current "gold standards" in restorative materials will be examined along with the clinical performance of printed vs. milled restorations. This session provides a framework for expanding additive applications beyond basic diagnostics into the realm of restorative therapy. By integrating modern literature with clinical pragmatism, practitioners will acquire the skills to employ additive manufacturing technology for enhanced marginal fit, improved practice efficiency, and reliable clinical outcomes.

Learning Objectives

- Assess the mechanical and optical properties of the latest AM resins and ceramics compared to traditional subtractive (milling) methods.
- Identify the essential hardware and software components required to integrate a seamless, "open-system" 3D printing workflow into daily restorative practice.
- Implement validated printing protocols for complex prosthodontic cases, including temporary and definitive restorations, based on current clinical literature and success rates.

Biography

TAY-see-er SU-la-men is a Tenured Associate Professor and Director of the Advanced Operative Dentistry and Biomaterials at the Adams School of Dentistry, University of North Carolina at Chapel Hill. He earned his clinical certificate in Operative Dentistry and his PhD in Dental Materials from the Department of Prosthetic Dentistry and Biomaterial Sciences at the Turku University in Finland in collaboration with UNC. Dr. Sulaiman is a wet-handed clinician and researcher who loves connecting dental research to clinical practice. His peer-reviewed publications, abstracts, and book chapters number over 100. He is a fellow of the International College of Dentists and a member of various academies, including the American Academy of Restorative Dentistry. He serves as the clinical and scientific ambassador for the Dental Advisor. He has presented on numerous national and international stages and serves as a reviewer for many peer-reviewed journals.