



Academy of Prosthodontics 2025 Annual Scientific Session
The Westin Kierland Resort and Spa, Scottsdale, AZ | May 28-31, 2025

Program Speaker – Mark S. Montana, DDS

Title

Occlusion in the Digital Age - What We Can Learn from What We Know?

Abstract

This presentation will compare and contrast common beliefs we hold for occlusion with implant restorations, in particular full-arch and full-mouth implant reconstructions. The dental literature is replete with articles offering advice and protocol for planning and designing the occlusal scheme for implant prostheses, however, with rapid advancements in methods of restoration design and fabrication which have largely replaced our proven lab bench approach. Today, we work in the digital arena using CAD CAM with a new generation of dental technicians. Today we will discuss how the digital design is a both an advancement and a limitation.

Learning Objectives

- Describe the value and limitations of our understanding of implant occlusion.
- Describe the limitations of digital design and how best to overcome them.
- Recognize how most complications are predictable and avoidable when planning, design, and delivery are coordinated between the restorative dentist and the dental technician.

Biography

Dr. Mark Montana is a 1987 graduate of the University of Southern California School of Dentistry and completed his Certification in Advanced Prosthodontics at USC in 1989. He has been primarily involved in private practice since 1989 in Tempe, Arizona; emphasizing fixed, removable and implant prosthodontics. Dr. Montana is a former clinical instructor while attending USC, as pre-clinical and clinical instructor at the Arizona School of Dentistry and Oral Health. He has lectured extensively, both domestically and internationally on the topics of implant, fixed, and removable prosthodontics as well as dental wear. He has written articles on implant restoration and co-authored a chapter on dental wear in a recently published text. His membership to professional organizations includes: The American College of Prosthodontics, the American/Arizona Dental Associations and the Academy of Osseointegration. He is a former member of The Pacific Coast Society for Prosthodontics, The American Academy of Fixed Prosthodontics and the American Prosthodontics Society.