



Academy of Prosthodontics 2024 Annual Scientific Session Four Seasons Hotel, Denver, Colorado May 29 – June 1, 2024

Program Speaker – Davide Romeo

Title

Accuracy and Treatment Efficiency for Full-Arch Prosthesis: Are they at Odds?

Abstract

Implant fixed complete dental prostheses (IFCDPs) offer an established long-term predictability as well as a high level of satisfaction for the patient in terms of aesthetics, phonetics and function. The advancement of digital technologies, including intra-oral scanners, milling machines and 3D printers, have changed the workflow of fabricating immediate and definitive prostheses. One of the key aspect for screw retained prostheses is to achieve a passive fit or at least to minimize the misfit between the prosthesis and the implant-abutment complex. A passive fit might seem critical for the maintenance of osseointegration and for preventing mechanical and biological complications, but there is questionable evidence that prosthetic misfit may jeopardize implant and prosthesis success rate. This lecture will provide an overview of current digital workflows for the fabrication of screw retained full-arch fixed prostheses.

Learning Objectives

1. Assessment of prosthetic fit for full-arch screw retained prostheses
2. Prosthetic fit and clinical outcomes for implant fixed prostheses
3. Rationale and techniques for fully digital workflows for definitive full-arch fixed prostheses

Biography

DAVIDE ROMEO

Dr. Romeo received his dental degree summa con laude in 2005 and his PhD in New Techniques in Implant Dentistry and Prosthetic Rehabilitation from the Università degli Studi di Milano (Italy). He also completed a one-year residency in Periodontics for international trained dentists at the Department of Periodontics and Implant Dentistry at New York University College of Dentistry (Chairman: Dr. D. Tarnow). After working in Milan for few years, he relocated to the United States. At the University of Rochester (New York) he earned a certificate in General Dentistry, his specialty certificate in Prosthodontics and a Masters in Dental Sciences.

Dr. Romeo is involved in research in the field of full-arch implant prostheses, digital dental technologies and dental materials. He has authored publications in peer-reviewed journals, book chapters and co-authored a book with his mentor, Prof. Agliardi, on Tilted Implants.