



Academy of Prosthodontics Annual Scientific Session San Diego, California | June 1 – 4, 2022

Program Speaker – Radek Mounajjed

Title

Do We Need a Master Cast?

Abstract

The marginal fit of any fixed restoration is one of the key factors that determines success of the restoration. How can marginal gap and discrepancy be minimized? With the introduction of CAD/CAM technologies, we have endeavored to give up on using the master cast. This presentation will present and explain the reproducibility of the margins of CAD/CAM restorations generated from a single digital scan. The readiness of these restorations for delivery directly after fabrication (without any adjustment on a master cast) and thereby eliminating the need for a master cast will be discussed. Comparing different types of copings and milling machines will help us answer these concerns.

Learning Objectives

1. Is the master cast a thing of the past?
2. How accurate is the reproduction of copings generated from one STL file?
3. How can the accuracy of CAD/CAM copings be improved?

Biography

Dr. Mounajjed graduated Dental School at Damascus University in 1994. Afterwards completing a Prosthodontic residency in 2000 and PhD in 2004 at Charles University in the Czech Republic. He operates a clinic focusing on complex prosthodontic rehabilitation in Hradec Králové, Czech Republic. He also serves as a lecturer at Palacký University Olomouc. He co-founded the HDVI institute of continuing education in Dentistry. Along with his practice, Dr. Mounajjed has written many publications and book chapters. His main interest is the marginal gap of different types of crowns and dental ceramic and adhesion. Throughout the pandemic he was heavily involved in establishing protocols for safe dental office operations. He was honored with the “**Cross of Merit**”, a prestigious medal from the Ministry of Defense for his contribution to the crisis management against the Covid 19 in the Czech Republic.