



American Academy of Maxillofacial Prosthetics WEBINAR – March 12, 2022

Program Speaker – Jay Jayanetti, DDS

Title

Closing the Gap Between Analog and Fully Digital Manufacturing of Maxillofacial Prostheses: The UCLA Experience

Abstract

In recent history, UCLA MaxPros performed all clinical and laboratory procedures entirely analog: from vacuum-formed surgical templates to casting onto UCLA abutments. Over the last 6 years we have adopted several digital technologies including printing and milling, and began closing the gap towards the coveted fully digital workflow. The three main reasons to employ digital technologies are to increase speed, decrease cost or improve the end product. In academia, the 4th and 5th reasons are R&D and resident training. Today the gap remains and existing pathways incorporate analog and digital procedures. For example, we can print a resin prototype nasal but then modify it chair side with a carbide bur or a #7 wax spatula. In the next 5 years, we would like to see improvements in direct printing of silicone, but it may take longer before chairside characterization with a paint brush is replaced.

Biography

Jay Jayanetti received his dental degree from UCSF, where he also received his postgraduate training in Prosthodontics. He became part-time faculty at both UCSF and UOP, before his fellowship training in Maxillofacial Prosthetics, at the University of Alabama, Birmingham. He gained a full-time faculty appointment at the Louisiana State University, School of Dentistry in New Orleans, where he was chief maxillofacial prosthodontist at the LSU Hospital, and was charged with directing the Predoctoral Removable Prosthodontic Clinic along with several didactic and laboratory courses. He was awarded the Golden Apple for “Excellence in Teaching” in 2014. He was recruited to assume directorship of UCLA’s Maxillofacial Prosthetics and joined UCLA School of Dentistry as a full-time Clinical Assistant Professor in April of 2015. Dr. Jayanetti, is the chief maxillofacial prosthodontist at UCLA and the associate program director of the maxillofacial prosthetics residency where he trains three fellows a year. Dr. Jayanetti also teaches in the predoctoral program and received the Ted Berg teaching award in 2019. He maintains a private practice in prosthodontics and maxillofacial prosthetic rehabilitation.