



**American Academy of Maxillofacial Prosthetics**  
**71<sup>st</sup> Annual Meeting: November 3 – 5, 2024**  
**La Playa Beach Hotel, Naples, Florida**

**Program Speaker – Sanketh Kethireddy**

**Title**

Impression vs Scan in MFP

**Abstract**

The field of maxillofacial prosthetics demands precision and meticulousness to restore both form and function to patients with facial defects. Central to this process are the techniques used to capture the patient's anatomical information accurately. This lecture delves into the comparative analysis of traditional impression-taking methods versus modern digital scanning technologies in the context of maxillofacial prosthetics.

The lecture begins with an overview of the historical evolution of impression techniques and their significance in maxillofacial prosthetics. Traditional methods, such as alginate and silicone impressions, are discussed in terms of their advantages, limitations, and common challenges encountered in clinical practice. Emphasis is placed on the skill and experience required for successful impression-taking and the importance of patient comfort and cooperation.

The discussion then transitions to the emergence of digital scanning technologies and their integration into maxillofacial prosthetics workflows. Various types of intraoral and extraoral scanners are examined, highlighting their capabilities, accuracy, and efficiency compared to traditional impressions. The benefits of digital scans, including reduced patient chair time, enhanced accuracy, and seamless integration with CAD/CAM systems, are underscored.

Next, the lecture explores the practical considerations involved in choosing between impression and scanning techniques for specific clinical scenarios. Factors such as the nature of the defect, patient comfort, time constraints, and cost-effectiveness are evaluated to guide clinicians in selecting the most appropriate method.

Furthermore, the lecture addresses the challenges and opportunities presented by the transition from analog to digital workflows in maxillofacial prosthetics. Topics include staff training, equipment investment, data management, and quality assurance protocols to ensure the seamless adoption of digital technologies. Finally, the lecture concludes with a forward-looking perspective on the future trends and innovations in impression and scanning techniques for maxillofacial prosthetics. Anticipated advancements in scanning technology, materials, and software integration are discussed, along with their potential implications for

clinical practice and patient outcomes.

Overall, this lecture provides a comprehensive framework for understanding the nuances of impression versus scan techniques in maxillofacial prosthetics, equipping clinicians with the knowledge and insights needed to navigate the evolving landscape of digital dentistry and optimize patient care.

## **Biography**

Dr. Sanketh Kethireddy is the Consultant & Director at Apollo Dental Centres and the course director of the fellowship in implantology program in the Tamil Nadu Dr. M.G.R. Medical University, Chennai, India.

Dr. Reddy graduated from RAGAS Dental College, Tamil Nadu Dr. M.G.R. Medical University, Chennai, India in 2001. Following his B.D.S. degree, he continued to study prosthodontics and obtained his M.D.S. degree in 2004. After that, Dr. Reddy acquires his Graduate Diploma of Clinical Science and Master of Science in Dentistry (Maxillofacial Prosthodontics) degree from Mahidol University, Faculty of Dentistry, Bangkok, Thailand. On top of that, he also obtained his certification in implant dentistry from UCLA, the USA in 2008.

He is the Secretary of the Indian Prosthodontics Society and also the treasurer for the Tamil Nadu branch. In addition, Dr. Reddy is an executive member of the Asian Academy of Prosthodontics and the Executive Council Member of the Indian Dental Association. Currently, He is the Treasurer of the Indian Prosthodontic Society.

He is a full-time consultant at Apollo Dental Centres and Apollo Specialty Cancer Centre, Chennai. He also runs an exclusive Prosthetic Rehabilitation Practice at The Maxillofacial Prosthetic Rehabilitation Centre, Chennai.

Specialized in Maxillofacial Prosthetics, Dental Oncology, and implantology, Dr. Sanketh Kethireddy has conducted various research and publications on these matters.

*\*Has disclosed Affiliation/Financial Interest with the following company: Apollo Dental Centres*