



American Academy of Maxillofacial Prosthetics
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La Playa Beach Hotel, Naples, Florida

Program Speaker – Mohamed Moataz Khamis

Title

Maxillofacial Prosthetics: The Digital Transformation

Abstract

The field of maxillofacial prosthetics has undergone a major digital transformation in the past few years revolutionizing most of the conventional techniques and procedures. New materials and production techniques have also been introduced to match the digital era.

CAD-CAM technology has originally transformed prosthodontics and consequently impacted both intraoral and extraoral maxillofacial restorations. Digital impressions using different types of scanners are replacing conventional impressions in many clinical situations improving patient acceptance and satisfaction and simplifying the procedures for both the maxillofacial patient and clinician. Different CAD softwares have replaced conventional designing steps, shortening the procedure time and improving the final outcome. Digital manufacturing whether additive or subtractive has also significantly impacted the final outcome.

The current presentation will review the digital transformation taking place in both intraoral and extraoral prostheses, highlighting the current status and future perspectives.

Biography

Professor Khamis graduated from Alexandria University in 1990 where he obtained his Masters degree in Prosthodontics in 1994. He then moved to the University of Pittsburgh Medical Center in 1995 where he finished 2 years of residency and fellowship in maxillofacial prosthetics. He then went back to Alexandria University where he attained his PhD degree then was promoted till becoming a Professor of Prosthodontics in 2008. From 2011-2014 he was appointed Vice Dean of the Faculty of Dentistry. In 2019 he became the Chairman of the Department of Prosthodontics at the Faculty of Dentistry, Alexandria University which he is still holding till now.

He is the founder and director of the comprehensive dental implant certificate program which is a one year fellowship program that started in 2004 and has been going on till now for 20 years. In 2019 he also became the director of the Clinical Masters of oral implantology program at the Faculty of Dentistry, Alexandria University.

He is a member of the editorial reviewing board of multiple journals including the Journal of Prosthetic Dentistry and BMC Oral Health and has reviewed in multiple national and international peer-reviewed journals. He contributed in 4 chapters in 2 textbooks related to dental implants published by Quintessence and Springer. He has over 60 publications in the field of dental implants, prosthodontics, maxillofacial prosthetics and dental lasers. He has over 100 presentations in national and international meetings and is a fellow of multiple national and international associations including the ICD and IAOFR.