



International College of Prosthodontists
19th Biennial Scientific Session - VIRTUAL - September 22 – 25, 2021

Program Speaker – Teppei Tsukiyama

Title

Role of Facially Driven Digital Treatment Planning to Achieve “Surgical Excellence” in Dental Implant Therapy. The Digital Smile Design Approach

Abstract

Goal of full mouth dental implant surgical reconstruction is to achieve “prosthetic excellence” in function and aesthetics. However, it is not always possible for surgeons to place dental implant fixtures at desired restorative-driven position because of limited quality and quantity of alveolar bone volume via consequences of severe periodontitis. Recently, facially driven dental implant placement became feasible through a utilization of Digital Smile Design (DSD) technology. DSD is a digital platform which enables clinicians to work on the merged clinical data from both a facially driven digital wax-up and CBCT DICOM file. It provides an ideal implant “geography” through 3D printed surgical guide and facilitates the accurate surgery with high level of efficacy and efficiency. This session will cover a series of clinical cases focusing on aesthetic zone with implant restorations via a step by step manner through an utilization of DSD technology.

- Learn facially driven treatment planning technique via DSD that can be applied in daily practice to achieve predictable aesthetic result in a full mouth implant therapy.
- Understand DSD workflow and its surgical acumen which empowers a benefit of facially driven treatment planning.
- Select the proper DSD usage to execute DSD-based surgical procedures.

Biography

Dr. Tsukiyama received his dental degree from Kyushu University, Japan. He completed his residency in periodontics, Master of Science and advanced education in esthetic dentistry at the department of prosthodontics at Tufts University School of Dental Medicine. Upon graduation he was awarded the "certificate of surgical excellence". He is diplomate, American Board of Periodontology and EAO certificate of Implant-based Therapy. Dr. Tsukiyama has a private practice in Fukuoka Japan limited to periodontics and aesthetic dentistry. He has been active in providing continuing education nationally and internationally. He is also an active member of various professional associations. He has published numerous scientific articles related to periodontics and implant dentistry, and is the Co-editor of the "Manual of Clinical Periodontics 4th Edition".