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Doctor of Dental Medicine, Tufts University School of Dental Medicine, 1980-1983
MS., Microbiology, Montana State University, 1975-1977
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Presentation Date: Thursday 10 May 2018 9:00 AM - 10:00 AM & 2:00 PM - 3:00 PM

Venue SMX CONVENTION CENTER MANILA Function Rooms 3 & 4

Presentation Title: DIGITAL OCCLUSION IN PROSTHETICS

Dentists have been using marking media to assess occlusion since the 1800s. Continued development of articulating media has brought us newer materials that are thinner, adapt better to the tooth surface, and inks that stick better to the teeth. There is a lot written about interpreting these marks, but all papers say that interpretation is subjective and there is no scientific evidence. Current research has shown that 99% of practicing dentists can accurately interpret these marks approximately 30 percent of the time.

Digital occlusion was developed in the 1980s and has improved as computer have gotten faster. Digital occlusion measures tooth contacts in fractions of a second increments, allowing the dentist to see sequence of contacts, determine balance, relative contact pressures, and functional occlusal patterns.

This course is an introduction to digital occlusion and will review the science, how digital data correlates with articulating paper marks, clinical applications, and use in diagnosis, treatment, and case finishing. Digital occlusion allows the dentist to see the occlusal issues before treatment and achieve a better final product for patient comfort, longevity of dental materials, and improved physiology for the patient, resulting in fewer follow up visits and an increase to practice productivity.