

Will the marriage of DOM and IOS bring a better life?

Speaker: Dr. Eric Leung Siu Fai



24th June 2020



7:00pm-10:00pm



17/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, HK



Free-of-charge



Max. 40 participants



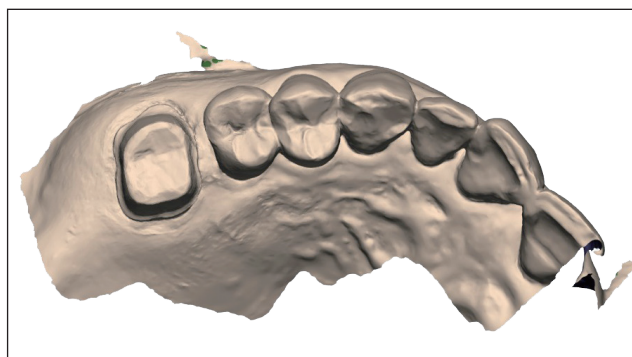
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Abstract:

The trend of digital workflows in the fabrication of dental prosthesis has become more and more popular. Various designs of intra oral scanners (IOS) have been introduced into the market, the recent advances in the design and technology have greatly improved their performance in different aspects including the ease of use, the speed of capturing, trueness, and precision. Nonetheless, there are some evidences that certain characteristics of tooth preparation would facilitate the capture by light scanner, hence a more accurate digital impression.

However, digital impression is only the first step in the digital workflow of the production process of CAD/CAM dental prosthesis. As a clinician, the importance of appropriate tooth preparation design for the CAM process and the verification of proper fitting of the restoration intra-orally before cementation cannot be over-emphasized. In the last decade, utilization of the dental operating microscope (DOM) in general dentistry has also been increasing. With the help of the DOM, the creation of appropriate preparation contour and margin as well as fitting verification can be achieved precisely.

In this presentation, an overview of the clinical aspects of various IOSs, the advantages of using the DOM and IOS in natural tooth supported prosthesis, as well as ensuring the quality of indirect restorations will be presented.



Learning Objectives:

1. Overview of various IOSs
2. Advantages and disadvantages of IOS
3. Tooth preparation design for CAD/CAM restorations
4. Advantage of the DOM in tooth preparation for CAD/CAM restorations
5. Transition from analogue to digital restorations

SPEAKER

Dr. Eric Leung Siu Fai

Dr. Eric Leung graduated from the University of Hong Kong in 1988. In 1995, he gained the Membership of Faculty of General Dental Practice, Royal College of Surgeon of England. In 1996, he gained the Post-graduate Diploma in Dental Surgery from the University of Hong Kong. Dr. Leung attained Membership of General Dentistry, College of Dental Surgeons of Hong Kong in 2007.

Dr. Leung is a member of Certified Microscope user of Academy of Microscope Enhanced Dentistry. He is part time clinical lecturer in Faculty of Dentistry HKU from 1998 to 2007. From 2010 to 2018, he is mentor of Membership of General Dentistry College of Dental Surgeons of Hong Kong. From 2013 to 2018, Dr Leung is a examiner of Membership of General Dentistry College of Dental Surgeons of Hong Kong.

