



Inter-Dentale

IOWC - INTERDENTALE ONLINE WORLD CONGRESS

Programme 6 December 2023

SPOTLIGHT ON: AESTHETIC MANAGEMENT OF DEMARCATED ENAMEL OPACITIES – SCIENCE BASED STRATEGIES FOR YOUR DAILY PRACTICE.

AI and personalized dentistry: Useful or hype?

Professor Falk Schwendicke, 14:00 – 14:30 (GMT+1)

The lecture will present the concept of artificial intelligence in dentistry, lay out applications, and also spot light future developments towards a data driven and personalized dental care.

Enamel spot lesions – how to make the right diagnosis

Dr Alessandra Buhler Borges, 14:45 – 15:15 (GMT+1)

The objective of this lecture is to comprehensively examine enamel spot lesions, elucidating the clinical and histopathological characteristics of distinct enamel developmental defects as well as incipient carious lesions. The importance of the anamnesis and a thorough clinical examination will be discussed, including the tools that can assist in the diagnosis process. By the end of this lecture, participants will be equipped with the knowledge and skills necessary to make precise diagnoses, facilitating the implementation of optimal treatment strategies and ultimately enhancing the predictability of the outcomes.

Resin Infiltration for esthetics: a brief review of technique and evidence

Professor Leandro Augusto Hilgert, 16:15 – 16:45 (GMT+1)

The success of resin infiltration for esthetic purposes depends on a correct indication and execution of the technique. This lecture presents the rationale behind resin infiltration on different types of de/ hypomineralized enamel lesions. Also, a comprehensive review of the literature on masking efficacy and color stability of the technique will give evidence-based support for the clinical decisions.

Evidence-based strategies for the management non-pitted fluorotic stains in esthetic zones

Professor Neeraj Gugnani, 17:00 – 17:30 (GMT+1)

Dental fluorosis is a common dental condition caused by excessive fluoride exposure during tooth development. It manifests as varying degrees of enamel discoloration with/ without pitting- usually posing significant esthetic concerns. Further, in its severe forms' fluorosis may also lead to structural abnormalities of teeth. This paper shall summarize the contemporary evidence-based approaches for the clinical management of non-pitted dental fluorosis in esthetic regions; including micro-abrasion, bleaching, and resin-infiltration.



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An ICONIC journey!

Dr Shiraz Khan, 10:15 – 10:45 (GMT+1)

This lecture will discuss the importance of icon in the armamentarium of a minimally invasive and aesthetic dentist. The lecture will cover cases of varying severity, and how this was introduced to my clinical practice.

Aesthetics and minimal intervention on developmental defects of the enamel: How to make it possible?

Dr Jorge Casián, 11:00 – 11:30 (GMT+1)

Enamel hypomineralizations are frequently encountered and minimally invasive treatment is challenging. Currently, enamel infiltration is a very valuable tool to protect hypomineralized enamel and mask the lesions they cause.

Various strategies and recommendations will be shown for their correct and efficient application.

Bleaching and Icon – diagnosis, treating and completing

Dr Linda Helene Greenwall, 11:45 – 12:15 (GMT+1)

Linda shares her wealth of knowledge and experience by explaining the scientific research behind tooth whitening and resin infiltration. Discussing how the three classification categories of tooth whitening techniques are vital to assist with treatment planning for predictable and successful outcomes. White spot eradication and how to combine this with further minimally invasive aesthetic treatment.

Enhancing dental aesthetics: 3D-printed bleaching trays and advanced micro-invasive techniques

Dr N. Med. Anna Babczyńska-Staszewska, 12:30 – 13:00 (GMT+1)

This presentation highlights a comprehensive dental esthetic treatment for a 25-year-old female patient with chalky white opaque areas on her upper central incisors. The approach included 3D-printed bleaching trays for precise home bleaching, followed by microabrasion and resin infiltration treatment with Icon (DMG). The incorporation of these micro-invasive techniques yielded outstanding clinical outcomes, enhancing both patient health and self-esteem, while the streamlined workflow with DMG bleaching trays proved efficient and cost-effective.



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Restoring crown-fractured, hypomineralized incisors: an ultraconservative approach

Professor Zafer C. Cehreli, 14:00 – 14:30 (GMT+1)

As with all young permanent teeth, hypomineralized incisors can also be susceptible to traumatic dental injuries. This case presentation outlines the management of a crown-fractured young permanent central incisor with resin composite restoration, in combination with resin infiltration.

Dos and don'ts during my Icon journey

Dr Maria Andrea Muro Arroyo, 14:45 – 15:15 (GMT+1)

Infiltration is a wonderful technique, which over the years has taught us the great scope it has in aesthetic dentistry and preventive dentistry, knowing the small tips or details of Icon is important to achieve extraordinary results and understand also the cases where the technique has its limitations.

The impact of developmental defects of the enamel on the oral health quality of life in children

Dr Clarissa Bonifacio, 15:30 – 16:00 (GMT+1)

Developmental defects of the enamel (DDE) can result in hypersensitivity, aesthetic and functional limitations. When these issues affect daily activities, they can have an impact on the oral health related quality of life in children. Combining early diagnosis with minimally invasive treatments are promising in reducing the negative impact of the DDEs on children overall wellbeing.

Teaching developmental defects of the enamel at the university

Professor Carlos Rocha Gomes Torres, 16:15 – 16:45 (GMT+1)

The lecture will present a teaching program to dental students and clinicians about developmental defect of enamel and the different treatment alternatives. The teaching program includes theoretical classes, on-line videos, printed learning material, and practical training using natural teeth with artificial lesions, simulating as close as possible the actual clinical situation. During the training, the step-by-step procedures and the tips and tricks for each condition are thoroughly discussed. Applying this program, the students will eventually be able to properly diagnose the lesion, as well to perform the best treatment on their patients.