



Friday, 8th May 05:20 pm -05:50 pm

Endodontics

BIOACTIVE CLINICAL DENTAL CONCEPT FACING THE VEVIDENCE BASED DENTISTRY

Minimally invasive dentistry is now widely accepted for the management of non-invasive, micro-invasive, and invasive carious lesions. Depending on the patient's individual caries risk and caries activity, clinical procedures are increasingly tailored using new diagnostic technologies that integrate imaging, magnification, photonic signals, and bioactive materials—an approach commonly referred to as the Bioactive Dentistry Concept.

However, it is essential to critically evaluate and compare this evolving model of care with evidence-based dentistry in order to identify the strengths, limitations, and potential contradictions of each approach. The aim of this lecture is to provide a comprehensive overview of emerging paradigms in restorative dentistry, comparing them with evidence-based dentistry and analyzing their contradictions and limiting factors at the clinical level, as well as the implications for the development and implementation of future clinical recommendations.

AMEL SLIMANI



Dr. Amel Slimani is an Associate Professor in Restorative Dentistry and Endodontics at the Faculty of Dentistry of the University of Montpellier, France. She serves as Co-Program Director of the innovative postgraduate program in Minimally Invasive Dentistry (Aix-Marseille University – University of Montpellier, France). She is also a board member of the European Federation of Conservative Dentistry (EFCD). She graduated from Laval University, Canada, and obtained her PhD from the University of Montpellier, France. She coordinates the Photonic Biomarkers research team at the Laboratory of Bioengineering and Nanosciences (LBN), University of Montpellier, France. Her work focuses on the integration of advanced photonic technologies and bioactive materials into evidence-based restorative dentistry, linking fundamental laboratory discoveries and clinical research with translational outcomes in order to support evidence-based clinical protocols in restorative dental practice.

HERVE' TASSERY



Prof. Hervé Tassery is Professor and Past Head of the Department of Restorative Dentistry at the Marseille Dental School – Aix-Marseille University, France, and Head of the International Department. He is also the Program Director of the innovative postgraduate program in Minimally Invasive Dentistry (Aix-Marseille University – University of Montpellier, France). He is a leading clinician-researcher in restorative and minimally invasive dentistry, with extensive experience in cariology, minimally invasive dentistry, photon-based diagnostic technologies, and bioactive dental materials. His work focuses on integrating advanced diagnostic devices into evidence-based management of carious lesions, bridging fundamental research and clinical practice and translating laboratory findings into clinical protocols. He has contributed to more than 120 peer-reviewed scientific publications and has been invited as a speaker at numerous international conferences in dentistry and research. Based at the MEPHI Laboratory, IHU Méditerranée Infection, Marseille, France, his current research explores the role of the oral microbiota in oral diseases, with particular attention to strengthening the links between fundamental and clinical research and translating findings into practical clinical applications. He is actively involved in international collaborations and regularly participates in conferences on innovative diagnostic and restorative approaches, with the aim of improving patient care through evidence-based and research-driven practices.