Friday, 8th May 4:45 pm-5:20 pm

Bioactive restoratives in Operative Dentistry - science, clinical applications and challenges

REGENERATION AND BIOACTIVITY – THE HYDRAULIC CEMENT INTERACTIONS

The hydraulic cements used in endodontics interact with the clinical environment which induces changes to the tissues and also the material itself. This specific property has led to the use of hydraulic cements for regenerative endodontic therapy, vital pulp treatment, root canal obturation and for reparative procedures. The lecture aims to discuss the specific interactions for different clinical uses.

JOSETTE CAMILLERI

Josette Camilleri graduated in Dentistry from the University of Malta and completed her PhD as a Commonwealth Scholar, conducting part of her training at King's College London under the supervision of Prof. Tom Pitt Ford. After clinical experience at St Luke's Hospital in Malta, she pursued an academic career. She is currently Professor of Endodontics and Applied Materials at the University of Birmingham and founder and director of the Birmingham Materials Testing Services (BiMaTS). Her research focuses on endodontic materials, particularly mineral trioxide aggregate (MTA) and bioceramic materials, with key contributions to the study of interactions between sodium hypochlorite and bismuth oxide and to dental discoloration.

She has published over 170 scientific articles and in 2018 received the Louis Grossman Award, becoming the first woman to do so. She holds prominent editorial roles and serves as an expert for international standardization organizations.