



**Prof. Maurizio Tonetti**

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*Qualifications:* DMD (Genova, Italy), PhD (Berne, Switzerland), MMSc (Harvard, USA), FDS RCPS, FDS RCS (England)

*Current position:* Clinical Professor and Head of Periodontology, Faculty of Dentistry, Hong Kong University and Executive Director, European Research Group on Periodontology (ERGOPerio). Formerly, Professor and Head, Department of Periodontology, School of Dental Medicine, University of Connecticut Health Science Centre. Professor and Head, Department of Periodontology at University College London - UK, Adjunct Professor, University of Berne - Switzerland, and University of North Carolina at Chapel Hill - USA. He serves as Editor in Chief of the Journal of Clinical Periodontology.

*Clinical activity:* as specialist in Periodontology maintains a part-time private practice limited to Periodontology and implant surgery with emphasis on regeneration, minimally invasive surgery and microsurgery. He has been working with leading colleagues to provide periodontal care and dental implant treatment to the world elite.

The focus of his recent *research activities* has been threefold: improved understanding of periodontal infections and their general health consequences; regeneration and bio-engineering of lost periodontal structures, and replacement of hopeless teeth with dental implants. The research of his team has spanned from fundamental discovery to clinical translation. He has been widely recognized for his contributions to improved periodontal diagnosis and risk assessment, control of periodontitis, the practice of periodontal regeneration and design and execution of large clinical trials in Periodontology and Implant Dentistry. His scientific work has been cited > 24,000 times and has an H-factor of 82. He has been engaged worldwide in the planning and delivery of advanced *educational programs* in the fields of Periodontology and Implant Dentistry.

## **Papilla preservation flaps and microsurgery to enhance wound stability and periodontal regeneration at intrabony and furcation defects**

Periodontology Unit of the Faculty Dentistry, The University of Hong Kong  
Maurizio Tonetti

Wound and blood clot stability are critically important aspects for periodontal regeneration. Over the last 25 years our research group has been perfecting flap design and decision making algorithms to support clinicians with achieving optimal outcomes with periodontal regeneration. This presentation will review the concepts and the actual practice and application of papilla preservation flaps, minimally invasive surgery and microsurgery to manage complex periodontal defects. A treatment strategy for intrabony defects and for furcation defects will be presented and discussed. The presentation will challenge clinicians to: 1. master the diagnosis and understand the healing potential of complex periodontal defects; and 2. improve their surgical skills and acquire the ability to manipulate soft tissue in a precise and atraumatic way.