

7th International Conference on
Otolaryngology: ENT Surgery
&
2nd International Conference on
Dental Health and Oral Hygiene

September 05-06, 2019 | London, UK



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Adent Dental Clinics, Switzerland

Guided Biofilm Therapy and Antibacterial Photodynamic Laser Therapy

The Guided Biofilm Therapy (GBT) is the new state-of-the-art approach in the prophylactic world. It means that the clinician is guided by the disclosed biofilm during professional dental cleaning procedures.


GBT is truly minimally invasive and reduces the need of hand and sonic instrumentation. It is safe, effective and gentle to teeth and soft tissues, implants and restoratives. It is also comfortable for patients and practitioners. It is efficient and time saving. Antibacterial photodynamic therapy (tPDT) has been effective in periodontal therapy. Previous laser light applications included the placement of a light fiber into the periodontal pocket to activate the photosensitizer. Using a novel approach, the transgingival laser application

of tPDT, we have a mini invasive technique. Mixing the GBT with the soft-laser we obtain a mini invasive treatment for periodontal diseases with visible clinical results. During supportive periodontal therapy, the use of tPDT adjunctive to GBT appears to represent a promising modality for infection control of residual pockets.

Speaker Biography

Celso Da Costa completed his Dental Hygienist diploma at age 20 years from FMDUL, Portugal. He is the Dental Hygienists Manager of Adent Dental clinics in Switzerland and an Ambassador of EMS Dental. He was cited by the Portuguese and Swiss press for prophylactic treatments.

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