PERIOFLOW®
ON NATURAL TEETH

Remove biofilm in >4 to 9mm pockets.

Scientific evidence on Guided Biofilm Therapy - Caries and Perio Prevention - First Edition - May 2nd, 2019

CLINICAL BENEFITS

PERIOFLOW® Nozzle removes biofilm non-surgically from deep periodontal pockets1,2,4,6,7,12,15,16 4-9mm in depth.

• Maintains the health of residual periodontal pockets1,2,4,16.
• Decreases bleeding on probing (BOP)4,5,6,7,10,12,14,15.
• Significantly reduces probing pocket depth (PPD)2,4,6,7,12,14,15,16.
• Promotes the re-attachment of periodontal ligament fibroblasts3.
• Increases clinical attachment level (CAL)4,6,10,12,14,15.
• Minimally invasive preserving cementum (94%)8, dentine9 and soft tissues2,11.
• Beneficial during supportive periodontal therapy (SPT)2,4,5,6,7,11,12,14,15,16.

• Safe to be used in patients with aggressive periodontitis in conjunction with systemic antibiotics10.
• Reduces full-mouth plaque scores10,14,15.
• Decreases in Gingival Crevicular Fluid (GCF)12.

MICROBIOLOGICAL BENEFITS

PERIOFLOW® reduces the bacteria load, especially bacteria responsible for periodontitis and bleeding:

• AA (Aggregatibacter actinomycetemcomitans)2,3,12 greater reduction than PIEZON®2.
• Red complex bacteria: P. gingivalis1,3,5,6,7,12,14, T. forsythia1,2,3,5,6,7,12, T. denticola2,3,5,12.

• Orange complex bacteria12.
Even though long-term reduction is not always significant6, clinical parameters consistently improved6.

GBT PROTOCOL

In accordance with the GBT - Guided Biofilm Therapy protocol:

• PERIOFLOW® can be applied prior to calculus removal1 using PIEZON® PS Instrument11.
• Erythritol 14µm PLUS Powder3,4,6,16 is more efficient and less abrasive than glycine6.
• Can be applied safely following EMS treatment recommendations1,2,4,5,6,7,10,14,15,16.

• PERIOFLOW® is time-efficient compared to traditional methods2,4,5,10.
• More comfortable with high patient compliance than traditional methods1,2,4,5,6,7,10,11,12,15,16 based on Visual Analog Scale (VAS).

CONSENSUS

Academics and clinicians alike reached a common consensus on safety, efficiency and comfort8,13 of PERIOFLOW®.
References

1 RANDOMIZED CONTROLLED TRIAL ASSESSING EFFICACY AND SAFETY OF GLYCINE POWDER AIR POLISHING IN MODERATE-TO-DEEP PERIODONTAL POCKETS

2 SUBGINGIVAL AIR-POLISHING WITH ERYTHRITOL DURING PERIODONTAL MAINTENANCE

3 A BIOFILM POCKET MODEL TO EVALUATE DIFFERENT NON-SURGICAL PERIODONTAL TREATMENT MODALITIES IN TERMS OF BIOFILM REMOVAL AND REFORMATION, SURFACE ALTERATIONS AND ATTACHMENT OF PERIODONTAL LIGAMENT FIBROBLASTS

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5 SUBGINGIVAL PLAQUE REMOVAL USING A NEW AIR-POLISHING DEVICE

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13 CONSENSUS CONFERENCE FINDINGS ON SUPRAGINGIVAL AND SUBGINGIVAL AIR POLISHING
Cobb CM, Daubert DM, Davis J, Deming J, Flemmig TF, Pattison A, Roulet JF. Compendium of Continuing Education in Dentistry – 2017

14 CLINICAL AND MICROBIOLOGICAL EFFECTS OF THE SUPPLEMENTARY USE OF AN ERYTHRITOL POWDER AIR-POLISHING DEVICE IN NON-SURGICAL PERIODONTAL THERAPY: A RANDOMIZED CLINICAL TRIAL

15 COMPARATIVE EVALUATION OF THE EFFICACY OF GLYCINE POWDER AIR POLISHING WITH SCALING AND ROOT PLANING AND WITH FLUORIDE PROPHYPASTE AS AN ADJUNCTIVE TO SURGICAL PERIODONTAL THERAPY- A CLINICAL STUDY

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