

Full-mouth ultrasonic debridement in combination with HYBENX® Oral Tissue Decontaminant as an initial approach to the treatment of chronic periodontitis. *(Translation from the original Italian Manuscript).*

Lombardo, Giorgio, A. Pardo, A. Fiorino, G. Corrocher, and G. Urbani.
Quintessence International **28** (3): 5-14. 2012.

Abstract.

Introduction. The purpose of this study was to evaluate the efficacy of *HYBENX® Oral Tissue Decontaminant*, in combination with full-mouth ultrasonic debridement, in the initial treatment of chronic periodontitis.

Materials and Methods. Thirty-six (36) generalized chronic periodontitis patients were selected in this clinical trial study, representing a total of 393 periodontal defects. All subjects met the following inclusion criteria: no periodontal treatment during the previous 12 months, no use of antibiotics during the 3 months prior to periodontal treatment, free of systemic health complications which could interfere with periodontal healing, non smokers, and having at least 6 sites with probing depth (PPD) > 5 mm (excluding teeth to be extracted and molars with furcation compromised). The subjects were randomly assigned into two treatment groups: Group A – Control patients treated with full-mouth ultrasonic debridement and Group B – Test patients treated with full-mouth ultrasonic debridement in combination with HYBENX. The clinical parameters assessed at baseline, after 45 days, and at three months, were probing depth (PPD), gingival margin (GM), clinical attachment level (CAL), visible plaque index (VPII), and the percentage of bleeding sites compared to baseline (BOP).

Results. At 3 months, the Test Group B showed significantly better outcomes than the Control Group A. In particular as regards the BOP in deep pockets (PPD > 7 mm), values fell from 89% to 41% in the test group versus 90% to 63% in the control group, $p = 0.0168$).

Conclusion. The product tested can be considered to be a valuable aid in the initial treatment of chronic periodontitis.