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Pg 118

FC196

Periogen Oral Rinse Study to Determine the Effect of Periodontal Disease

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Aim and purpose: The cause of periodontal disease is bacterial film known as plaque. Bleeding upon probing (BUP) is usually the first sign of periodontal disease. The purpose of the study is to determine the effect of Periogen oral rinse on plaque index (PI), probing depth (PD), BUP and calculus after 90 days of daily Periogen use.

Materials and method: A total of 53 systemically healthy subjects enrolled and randomly assigned in this double blinded and placebo-controlled clinical trial. At baseline, and at 90th day, PI, BUP, PD and photographs were taken and recorded. Participants were instructed to rinse with the assigned oral rinse twice daily using Waterpik ultra WP100 oral irrigator. BANA (Benzoyl-DL-Arginine Naphthyl A Mide) chair side periodontal test were performed to detect presence of oral bacteria in plaque.

Results: PI, BUP and PD in Periogen oral rinse group had more significant improvement as compared to placebo group after 90 day used of the product. However, visible calculi were not much significant difference between groups especially true for subjects who have Calculi Bridge for many years. Overall improvement in PI, BUP, PPD were seen in Periogen group as compared to placebo group.

Summary and conclusions: After using for 90 days, plaque index, bleeding upon probing, and periodontal pocket depth were reduced more in Periogen oral rinse group compared to the placebo. However, no significant difference was found between groups. In conclusion, Periogen oral rinse is significantly better in reducing periodontal disease as compared to just using Waterpik oral irrigator alone.

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