A Randomized Clinical Trial Evaluating the Anti-Gingivitis Efficacy of an Oral Hygiene Routine including a Novel Stabilized Stannous Fluoride Dentifrice, Oscillating-Rotating Electric Toothbrush and Floss

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KEY CLINICAL FINDINGS

After 6 weeks of using a stabilized stannous fluoride dentifrice, oscillating-rotating electric toothbrush and floss, the experimental oral hygiene group was nearly free of gingivitis with less than one bleeding site (0.85).

The experimental group showed greater reductions in gingival bleeding after 6 weeks than the control group, which had a dental prophylaxis followed by use of a regular anti-cavity dentifrice and soft manual toothbrush.

- The experimental group had 86% fewer bleeding sites compared to the control group at Week 6. See Figures 1 & 2.
- 68% of subjects in the experimental group had no bleeding at Week 6 compared to 0% in the control group. See Figure 3.

There were no Adverse Events in this study. All treatments were well tolerated.

Figure 1. Number of bleeding sites per group

*Statistically significant difference between groups in favor of the experimental group, \(p<0.0006\). \(n=51\).

Fig 2. Depiction of average number of gingival bleeding sites.
Gingival bleeding is a common symptom of gingivitis often noticed by patients when they brush. Research indicates the absence of bleeding (on probing) is a reliable indicator for sustained periodontal health,* so reducing gingival bleeding should be an important goal of gingivitis treatment. This study showed use of a novel stabilized stannous fluoride dentifrice, oscillating-rotating electric toothbrush and floss was highly effective at reducing gingival bleeding. After 6 weeks, subjects using these products had less than one bleeding site, significantly lower than the control group which had approximately 6 bleeding sites. Sixty-eight percent of subjects using the experimental products had no bleeding at Week 6 compared to 0% in the control group. Dental professionals should consider the stabilized stannous fluoride dentifrice, oscillating-rotating electric toothbrush and floss for patients to reduce gingival bleeding and protect their periodontal health.