



Stannous Fluoride Reduces Peri-Implant Mucositis¹



Crest stannous fluoride antibacterial dentifrice can help patients maintain oral health around implants.

Study Design

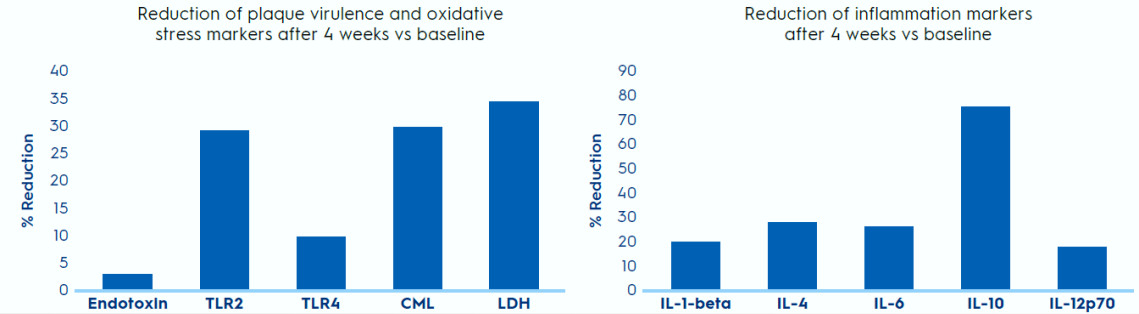
Study Participants

Clinical Assessments

Product Use

- 4-week monadic trial.
- Baseline and Week 4- visits
- Change from baseline assessments
- 20 Adults with at least 1 implant
- Presence of mucositis (based on clinical presentation of BoP and inflammation)
- Bleeding MGI (modified Gingival Index)
- Löe Silness Gingival Index
- Gingival Crevicular Fluid: oxidative stress markers (CML, LDH), bacterial endotoxins, pro-inflammatory cytokines (IL1b, IL12p70)
- Subgingival plaque: TLR-2, TLR-4
- Stannous fluoride dentifrice and soft manual toothbrush twice daily for 1 minute per brushing

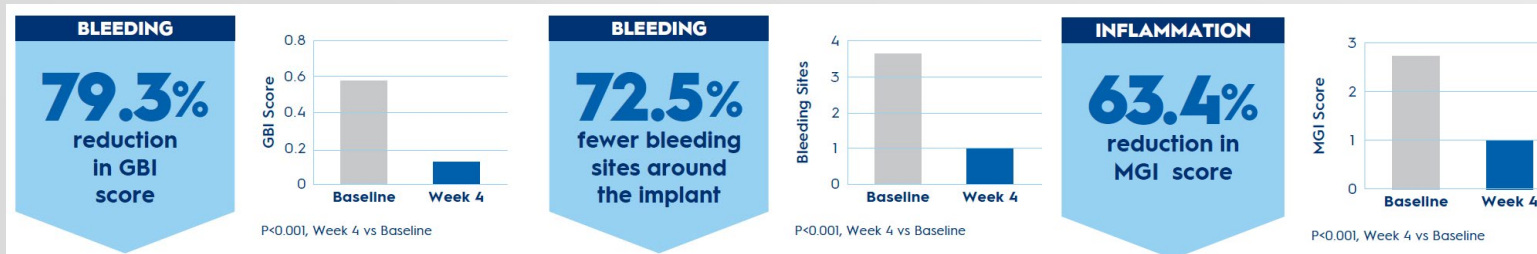
KEY MARKERS OF PLAQUE VIRULENCE, OXIDATIVE STRESS AND INFLAMMATION



Stannous fluoride binds to plaque toxins, such as lipopolysaccharides, reducing plaque virulence, inflammation, and oxidative stress.²⁻⁴

Stannous-containing dentifrice also demonstrates a reduction in the relative abundance of disease-associated bacteria and an increase in the relative abundance of health-associated bacteria.⁵

This change to the dental plaque microbiome composition is consistent with a return to a healthy no-mucositis microbiome and improved clinical signs and symptoms.



1) Ramji et al. J Dent Res (Spec Iss A) 2024; 103: Abstract 2509.

2) He T, et al. Am J Dent. 2021;34(4):222-227.

3) Klukowska M, et al. J Clin Dent. 2017;28(2):16-26.

4) Xie S, et al. Am J Dent. 2018;31(4):215-224.

5) Chen D, et al. Front Microbiol. 14 Feb 2024.