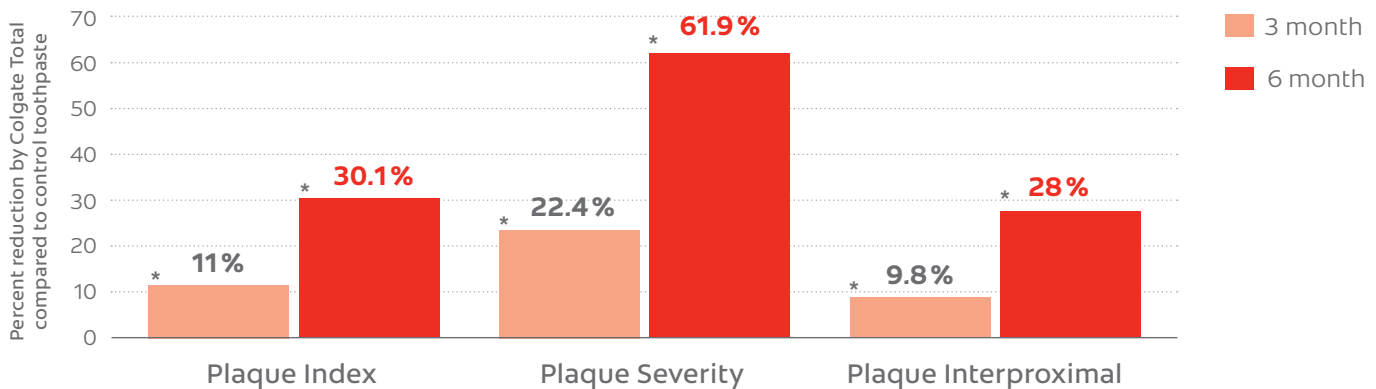


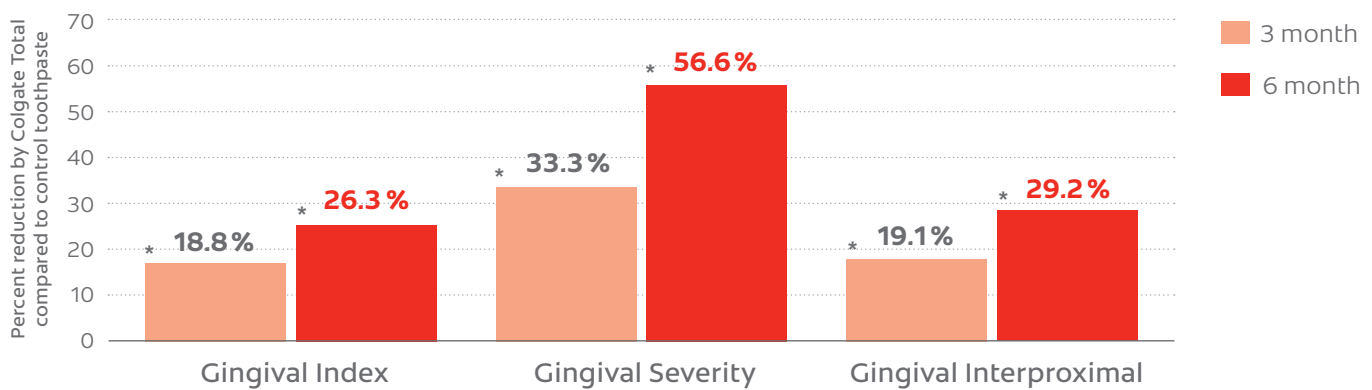
Colgate® Total with Dual Zinc plus Arginine significantly reduces plaque and gingivitis after 3 and 6 months

Results

Between Treatment Plaque Reduction (Figure 1)



Between Treatment Gingival Reduction (Figure 2)



* statistically significant ($p < 0.001$) differences between treatment groups with respect to base-line adjusted scores (ANCOVAs)

In this 6-months clinical study the clinical efficacy of Colgate® Total with Dual Zinc plus Arginine was compared to regular fluoride toothpaste in reducing established dental plaque and gingivitis.

- After 3 and 6 months of brushing twice daily, Colgate® Total with Dual Zinc plus Arginine demonstrated significant reductions for Plaque, Plaque Severity, and Plaque Interproximal reductions (Figure 1)
- After 3 and 6 months of brushing twice daily, Colgate® Total with Dual Zinc plus Arginine demonstrated significant reductions for Gingival Index, Gingival Severity and Gingival Interproximal measures (Figure 2)

Clinical study essentials

- Randomized, double-blind, parallel, clinical study
- 96 patients (38 male and 58 female) completed the study
- 6 months study duration
- Performed at Clinical site in Santo Domingo, Dominican Republic
- Accepted for publication in Journal of Clinical Dentistry, 2018. Delgado et al, A clinical investigation of a Dual Zinc plus Arginine toothpaste in reducing established dental plaque and gingivitis over a 6-month period of product use

Supplementary Study Information



Products under Investigation

- Test toothpaste: zinc (zinc oxide, zinc citrate) 0.96%, 1.5% Arginine and 1450 ppm fluoride (Colgate® Total; Colgate-Palmolive Company, New York, NY)
- Control toothpaste: regular fluoride toothpaste containing 1450 ppm fluoride (Colgate-Palmolive Company, New York, NY)



Study participants

100 recruited adult participants with gingival index (Loe-Silness) of at least 1.0 and plaque index of at least 1.5 based on Turesky modification of the Quigley-Hein Plaque Index.



Methods

Three gingival parameters (Gingival Index, Gingival Severity Index, Gingival Interproximal Index) and three plaque parameters (Plaque Index, Plaque Severity Index, Plaque Interproximal Index) were measured at baseline, after 3 months, and after 6 months to determine gingivitis and plaque.



Trial Procedure



Conclusion

Colgate® Total with Dual Zinc plus Arginine provides significantly greater reduction in dental plaque and gingivitis parameters as compared to a regular fluoride toothpaste after 3 month and 6 months of product use.

Further published studies with these products:

1. Prasad K et al, J Clin Dent, accepted for publication 2018
2. Manus L et al, J Clin Dent, accepted for publication 2018
3. Lee C et al, J Clin Dent, accepted for publication 2018
4. Hu D et. al, J Clin Dent, accepted for publication 2018