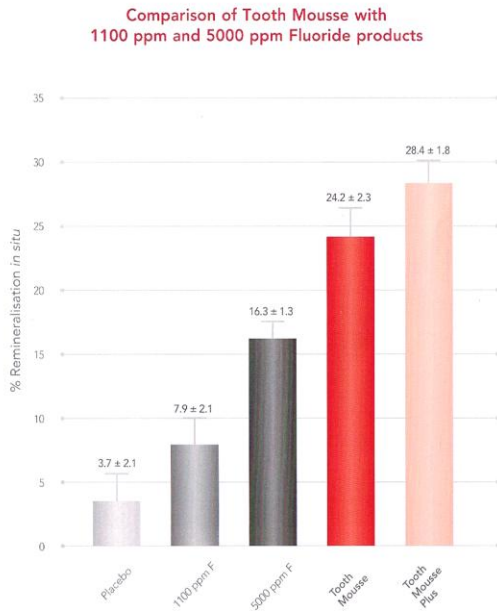


GC Tooth Mousse compares very favourably with 5000 ppm Fluoride as shown by this recent clinical trial* comparing Tooth Mousse and Tooth Mousse Plus with Fluoride.



Comparison of Tooth Mousse Plus with 1100 ppm and 5000 ppm Fluoride products in a randomized, double-blind, cross-over in situ clinical trial. EC Reynolds, F Cai, DJ Manton, P Shan, GD Walker, NJ Cochrane, S Haynes, Y Yuan, C Reynolds. CRC for Oral Health Science, Melbourne Dental School, The University of Melbourne. IADR ANZ 2008

Casein phosphopeptide-amorphous calcium phosphate (CPP-ACP) has been shown to enhance the uptake of fluoride ions into plaque and subsurface enamel lesions in situ.

Objectives

To compare Tooth Mousse Plus (TMP), containing CPP-ACP and 900 ppm F, with 1100 ppm and 5000 ppm F products in a randomized, double-blind, cross-over in situ clinical trial.

Methods

The products (1 g in 4 ml water), including a placebo product (no CPP-ACP or F), were used as a rinse for 60 sec four times/day for 14 days in an in situ remineralisation model. Mineral changes in the enamel subsurface lesions exposed to the products in situ were determined using transverse microradiography. Concentrations of calcium, phosphate and fluoride ions in the products and in post-rinse saliva samples were determined using ion chromatography.

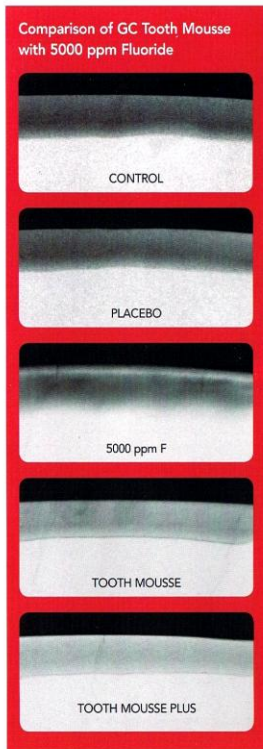
Results

The remineralisation levels effected by the use of the products were: Placebo 3.7 +/- 2.1%, 1100 ppm F 7.9 +/- 2.1%, 5000 ppm F 16.3 +/- 1.3 % and TMP 28.4 +/- 1.8%. All values were significantly different from each other by repeated-measures ANOVA. The levels of calcium, phosphate and fluoride ions in the post-rinse saliva samples indicated that TMP produced the highest activity of the neutral ion pair involved in remineralisation and the highest ion activity products for all calcium phosphate phases including fluorapatite.

Conclusion

This in situ study suggests that TMP is superior to 5000 ppm F in remineralising enamel subsurface lesions.

This study was supported by the CRC for Oral Health Science



GC

Recaldent

GC Tooth Mousse Plus contains RECALDENT™ (CPP-ACP), a unique ingredient developed at The School of Dental Science, The University of Melbourne, Victoria, Australia. RECALDENT™ and RECALDENT Device are trade marks used under license. GC Tooth Mousse Plus should not be used by people with milk protein allergies. If any allergic reaction occurs, this may indicate sensitivity to the benzoyl peroxide preservatives, or to some other component of the product. In this event, discontinue use of the product and contact your physician.

GC Tooth Mousse
Topical creme with bio-available calcium and phosphate.

A comparison of GC Tooth Mousse with 5000 ppm Fluoride