

# Two-year caries clinical study of the efficacy of 1450ppm fluoride toothpaste with Sugar Acid Neutraliser™ Technology\*

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## Aim

To explore the cavity preventive effect of adding Sugar Acid Neutraliser™ Technology to a 1450ppm fluoride toothpaste



## Products under investigation

- 1450ppm fluoride (MFP) + Sugar \*Acid Neutraliser Technology™
- 1450ppm fluoride toothpaste (NaF)



## Study subjects

5669 male and female subjects (aged 7-12 years) with at least four permanent molars fully erupted and at least one permanent central and/or lateral erupted incisor completed the study



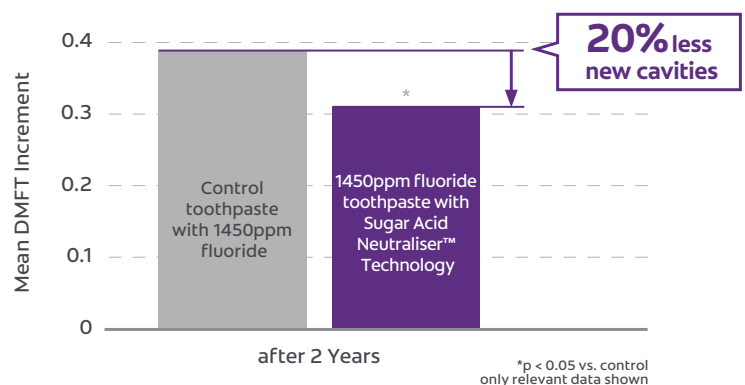
## Method

A randomised, controlled double-blind parallel clinical trial where each group brushed their teeth 2x daily with their assigned toothpaste. Decayed, missing, and filled teeth at baseline, after 1 year and 2 years use. The DMFT were calculated for permanent teeth in each participant (with the exception of third molars) and then the mean DMFT were calculated for each



## Results

A 1450ppm fluoride toothpaste with Sugar Acid Neutraliser™ is shown to provide significantly greater cavity protection by giving 20% less new cavities after 2 years compared to a traditional 1450ppm fluoride toothpaste.



## Implications for practice

This study demonstrates that by changing from a traditional 1450ppm fluoride toothpaste to brushing with a 1450ppm fluoride toothpaste with Sugar Acid Neutraliser™ technology the number of new cavities can be reduced up to 20% without an additional oral hygiene step

*\*This study summary covers only after 2 years and products relevant for the Northern European markets. For entire study see reference*

### **Further published studies with this product**

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3. Kraivaphan P, Triratana T, Mateo L.R, Ellwood R, Cummins D, DeVizio W, Zhang YP. Fluoride. Caries Res 47 (2013), 582-590
4. Srisilapanan P, Korwanich N, Yin W, Chuensuwonkul C, Mateo LR, Zhang YP, Cummins D, Ellwood RP. J Dent 41 Suppl 2 (2013), S29-34
5. Souza ML, Cury JA, Tenuta LM, Zhang YP, Mateo LR, Cummins D, Ellwood RP. J Dent 41 Suppl 2 (2013), S35-41
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7. Yin W, Hu DY, Fan X, Feng Y, Zhang YP, Cummins D, Mateo LR, Pretty IA, Ellwood RP. J Clin Dent 24 Spec no A (2013), A15-22
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9. Petersen PE, Hunsrisakhun J, Thearmentree A, Pithpornchaiyakul S, Hintao J, Jürgensen N and Ellwood RP. Community Dent Hlth 32 (2015), 44-50