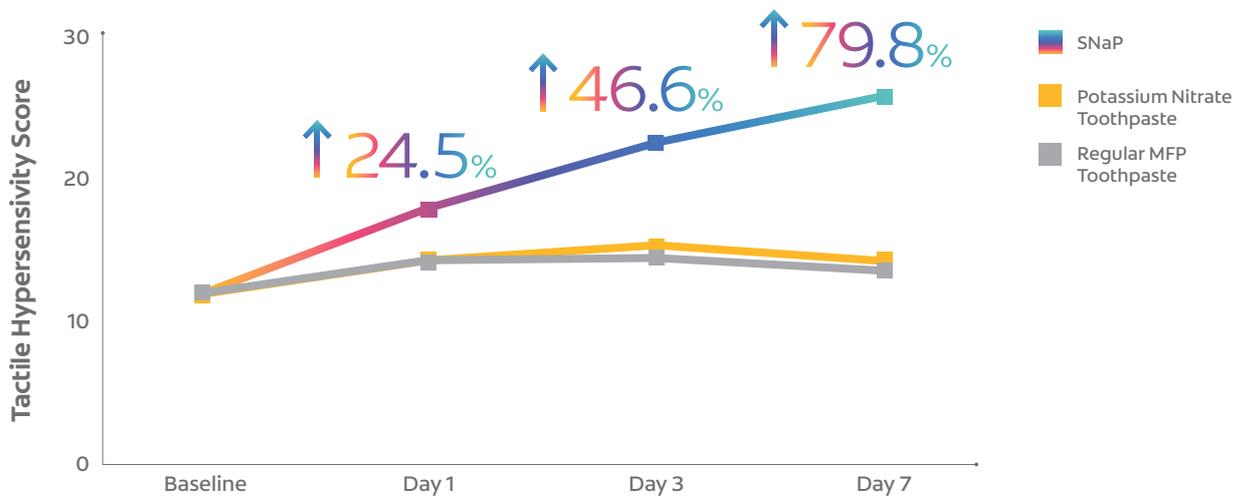




# Efficacy of a Stannous Fluoride Toothpaste Stabilised With K<sup>+</sup> and Polyphosphates (SNaP) on Immediate Tooth Sensitivity Relief

The Stannous Fluoride Toothpaste Stabilised With K<sup>+</sup> and Polyphosphates (SNaP) formulation is highly effective in providing significant sensitivity relief starting at day 1.

A 0.454% stannous fluoride stabilised with nitrate and phosphates (SNaP) toothpaste showed superior efficacy in reducing dentin hypersensitivity compared to a potassium desensitising toothpaste and a fluoride toothpaste, starting at day 1.



After 7 days of product use, subjects in the SNaP group exhibited statistically significant improvement in tactile hypersensitivity and in air blast hypersensitivity.

## HYPERSENSITIVITY REDUCTION



## CLINICAL STUDY ESSENTIALS

- Type of Study: Randomised Parallel Group Study
- Number of Participants: 120
- Duration of the Study: 7 days
- Gittins A, et al. J Dent Res. 2022;101(Spec Iss A):0512

## IMPLICATION FOR PRACTICE

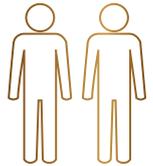
A 0.454% stannous fluoride stabilised with nitrate and phosphates toothpaste (SNaP) is highly effective in coating the dentin surface, occluding exposed dentin tubules, and can provide significant relief for individuals suffering from dentin hypersensitivity already after day 1.

# SUPPLEMENTARY STUDY INFORMATION



## Products under investigation

- SNaP: 0.454% stannous fluoride dentifrice stabilised with nitrate and phosphates
- NaF + KNO<sup>3</sup>: 0.24% sodium fluoride desensitising dentifrice containing 5% potassium nitrate
- MFP: non-desensitising regular fluoride dentifrice containing 0.76% sodium monofluorophosphate



## Study participants

120 subjects with dentin hypersensitivity. This group was divided into 3 smaller groups with 40 participants each.



## Methods

Measurement of dentin hypersensitivity through tactile and thermal sensitivity tests.



## Trial procedure

- Participants were randomised into 3 groups
- Study subjects brushed twice daily for 2 minutes with their assigned dentifrice for 7 days
- Sensitivity tests were conducted after 1, 3, and 7 days
- Data was collected and analysed to assess the reduction in dentin hypersensitivity



## Conclusion

The 0.454% stannous fluoride stabilised with nitrate and phosphates toothpaste provided a statistically significant dentin hypersensitivity improvement already after 1 day, with further relief after 7 days of use (as compared to a commercially available potassium-based dentifrice and a non-desensitising regular fluoride dentifrice containing 0.76% sodium monofluorophosphate).