

BioMin® F clinically proven to provide longer lasting relief and protection from dentine hypersensitivity

VANITA GAUTAM HEMANT KUMAR HALWAI

IJSR - INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH VOLUME-6 | ISSUE-2 239-40 (2017)

Method

A total of **160 patients** clinically diagnosed with dentine hypersensitivity were randomly divided into four groups:



Group A 5% potassium nitrate

Group B 5% fluorocalcium phosphosilicate (BioMin® F)

Group C 10% strontium chloride

Group D Herbal formulation

The patients' dentine hypersensitivity scores for tactile, thermal, and evaporative stimuli were recorded on a visual analog scale at baseline, 2 weeks, 1 month, and 2 months.

Sensitivity was measured using a cold blast spray and cold air spray to stimulate effect.

Conclusion

BioMin® F resulted in **more improvement** than other toothpastes offering **long lasting relief and protection** from dentine hypersensitivity in the following four steps:

1. **Chemical bonding:** its particles chemically bind to the tooth surface.
2. **Release of minerals:** components slowly dissolve to release calcium, phosphate and fluoride ions into saliva.
3. **Rapid apatite formation:** formation of fluorohydroxyapatite, highly acid resistant crystals, providing effective occlusion within dentinal tubules.

[Read More](#)