

REPORT ON

Clinical Evaluation of the Efficacy of Theodent Toothpaste for Dentin tubule Occlusion

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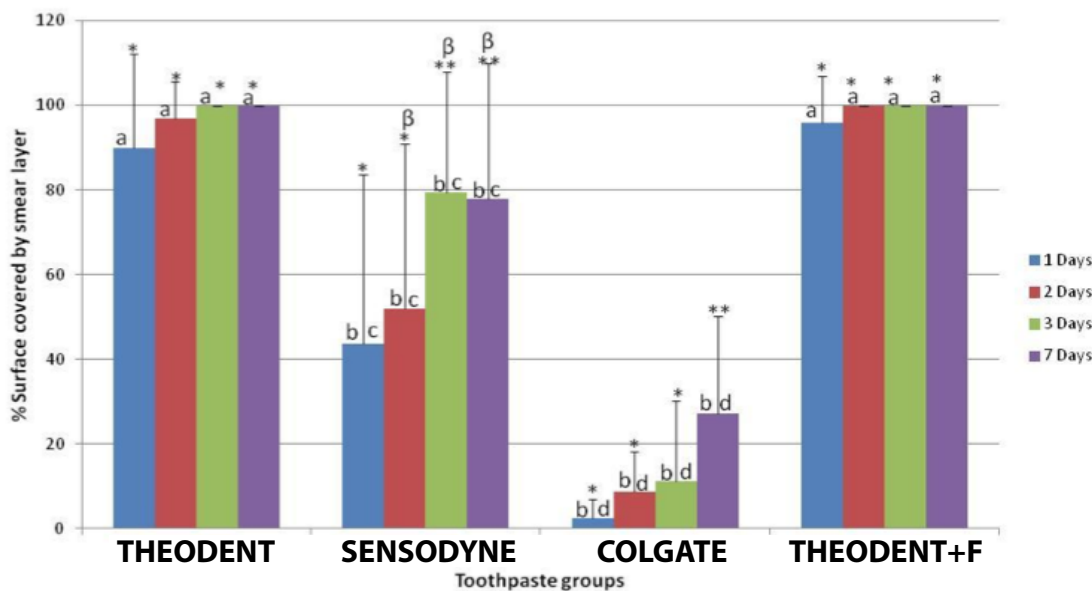


Figure 4: The % of surface area covered by deposited smear layer after 14 uses of the four toothpastes T1=Theodent-NF, T2= Sensodyne, T3=Colgate and T4=Theodent-F. Letters compared the efficacy of the four toothpastes at each usage time point (1, 2, 3 & 7 days). Different letters (a, b, c, d) denote significantly different ($p < 0.05$) % of completely occluded tubules, while similar letters means not significantly different. Symbols (*, **, β) compared the efficacy of the same toothpaste after different lengths (1, 2, 3 & 7 days) of usage. Different symbols denote significantly different ($p < 0.05$) % of completely occluded tubules, while similar symbols means not significantly different.

CONCLUSION:

The result of this clinical study on antihypersensitivity demonstrates that Theodent Classic, Theodent Classic with fluoride, and Sensodyne Nupro 5000[®] toothpastes are efficacious in occluding dentin tubules as well as depositing smear layers on the dentin surface in one week but Colgate toothpaste was not. **Theodent Toothpastes** (non-fluoride and fluoride containing) **were both more effective in a shorter period of time than Sensodyne Nupro 5000[®]** when measuring full tubule occlusion, reduction of fully open tubules, partial tubule occlusion, and smear layer deposition. **Both Theodent Classic and Theodent Classic with Fluoride toothpastes were both equally more efficacious than Sensodyne Nupro 5000[®] with NovaMin on all measurements affecting dentine hypersensitivity.**