

Waterpik® Fluoride Varnish is UltraThin for Greater Patient Comfort

Determine the thickness of one layer of commercially available 5% sodium fluoride varnish.

Gonzalez-Cabezas C et al. Indiana University, Oral Health Research Institute

Objective

The purpose of this in vitro study was to determine the thickness of one layer of Waterpik® UltraThin fluoride varnish. Then compare the thickness to the Omni™ Vanish® fluoride varnish.

Methodology

5 x 5 mm specimens of bovine teeth were cleaned ground and polished. The specimens were incubated in human pooled saliva for 1 h at 37° C to form a salivary pellicle and then rinsed in deionized water and blow-dried. One layer of varnish was applied to 5 specimens for each product. The specimens were air dried for 1 minute and then placed in pooled human saliva for 10 minutes with gentle agitation (100 rpm). The specimens were then gently rinsed with deionized water.

Results

The specimens were scanned with a non-contact profilometer to determine the thickness of the varnish layer. Three three-point scans per specimen were performed. The average thickness of the varnish layer and the highest point for each specimen was calculated. The mean, SD and SEM was calculated for each treatment group. The Waterpik® UltraThin varnish was significantly thinner than Omni™ Vanish® varnish.

Conclusion

The Waterpik® UltraThin varnish is thinner than Omni™ Vanish® for greater patient comfort.



¹Data on file. ²Omni™ and Vanish® are not trademarks of Water Pik, Inc.