

Waterpik® Whitening Water Flosser: Improved stain removal over tooth brushing alone.

Evaluation of Tooth Whitening using a Liquid Dentifrice Delivered by the Waterpik® Whitening Water Flosser.

Milliman JL, Milleman KR, Battershell K, Lyle DM. Study conducted at Salus Research, Fort Wayne, IN. 2014

Objective

To evaluate the effectiveness of an experimental 'liquid dentifrice' delivered using a Waterpik® Water Flosser in removing stain from approximal and marginal areas of the tooth by patients over a 2 week period compared to brushing alone.

Methodology

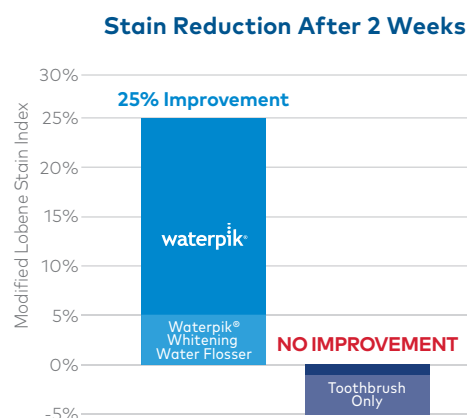
Extrinsic tooth stains on the facial approximal and marginal surfaces of the four mandibular incisors were scored using the MacPherson modification of the Lobene Stain Index. This index assesses both the intensity and area of stain present on the mesial and distal regions of each tooth, which are prime locations for stain formation. For each case study subject a color photograph of the mandibular anterior teeth was made before and after the supervised and assisted flossing. The photographs were used for supporting documentation and not for data analysis.

Results

After 2 weeks, the Waterpik® Water Flosser treatment group using the liquid dentifrice experienced a reduction in extrinsic stain of 25% as measured by the Modified Lobene Stain Index. The Toothbrushing group saw no improvement, as measured by the same index.

Conclusion

Daily use of the Waterpik® Water Flosser with a liquid dentifrice removes more extrinsic stain than tooth brushing alone.



Before.



After 2 Weeks of Using the Waterpik® Water Flosser with a Liquid Dentifrice.