

Plaque Removal

in vivo study

Comparison of plaque removal by Sonicare FlexCare and Oral-B Triumph®

Schaeken M, Sturm D, Master A, Jenkins W, Schmitt P. A randomized, single-use study to compare the plaque removal ability of two power toothbrushes, the Sonicare FlexCare and the Oral-B Triumph Professional Care 9000. *Compend Contin Educ Dent.* 2007;28 (suppl 1):29-34

Objective	To compare the plaque removal efficacy of the Sonicare FlexCare and Oral-B Triumph toothbrushes.
Methodology	Ninety-one healthy subjects, aged 18-53 years participated in a single-blind, randomized, crossover-design study to assess the plaque removal efficacy and safety of the Sonicare FlexCare (ProResults brush head) and Oral-B Triumph (FlossAction brush head) power toothbrushes. Each toothbrush was used for one week at home for familiarization. At the end of each period, subjects presented with 24 hours plaque using the Turesky-Modified Quigley-Hein Plaque Index before and after a two-minute supervised brushing session with the assigned toothbrush. Safety was assessed in oral soft tissue examinations prior to all assessments of plaque.
Results	Sonicare FlexCare removed significantly more plaque than Oral-B Triumph from the dentition overall ($p < 0.0001$) as well as in hard-to-reach areas, i.e., the posterior teeth ($p < 0.0001$) and the interproximal spaces ($p < 0.0001$). Both toothbrushes were safe to use.
Conclusion	Sonicare FlexCare was found to remove significantly more plaque than Oral-B Triumph when assessed over the entire dentition (overall) as well as in hard-to-reach areas.

