Plaque Removal

_in vivo study_

Plaque removal efficacy of "new" vs. "old" Philips Sonicare ProResults brush heads


Objective
To compare the plaque removal efficacy and safety of an "old" (used for three months) Philips Sonicare ProResults brush head to a "new" ProResults brush head.

Methodology
A randomized, examiner-blinded, parallel-design study was conducted in a population of 72 healthy adults (56 females, 16 males) aged 18-60 years (mean age: 35) who were using Philips Sonicare FlexCare with ProResults brush head at home for three months, +/- 10 days. Following the three-month home-use period, subjects presented to the clinic with 24 hours of plaque growth and were randomized to utilize either a newly dispensed ProResults brush head or their home-use ProResults brush head from the preceding three-month period. Randomization was stratified by the pre-brushing plaque score (< 2.7 or ≥ 2.7) in an effort to mitigate treatment effect bias. A single-use pre and post-use plaque score was evaluated for each subject utilizing the Turesky-Modified Quigley-Hein Plaque Index. Safety was assessed in an oral soft tissue examination.

Results
A newly dispensed Philips Sonicare ProResults brush head removed more plaque than the brush head used at home for a three-month period for overall dentition and specifically in hard-to-reach areas. Both products were safe to use.

Conclusion
A new Philips Sonicare ProResults brush head is clinically proven to remove up to 28% more plaque as compared to a brush head that has been used for three months.