

CLINICAL STUDY

15-year study demonstrating increased patient compliance

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Abstract:

The goal of this 15-year retrospective study looked at patient compliance in a periodontal practice between manual brushing and use of a powered rotary brush as part of daily oral hygiene.

Methodology:

Group 1:

- 121 patients, whose mean initial study age was 41.6 +/- 8.7 years
- Patients used an assortment of nonspecified manual and powered brushes
- All received oral hygiene instructions and monitoring at each recare visit

Group 2:

- 111 patients, whose mean initial study age was 40.3 +/- 9.6 years
- Patients used Rotadent® rotary powered brush
- All received appropriate instruction with emphasis on linking their daily plaque control with the professional care received at the office

Results:

- At recall, 69% of rotary brush patients and 23% of assorted group presented with good to very good plaque control/oral hygiene
- Rotadent group maintained a 90% level of recare compliance (6 months or less) while 49% of the assorted group remained compliant with recare schedules
- Rotadent group showed clinically less tooth loss over the 15-year period

Conclusion:

The results suggest that patients who used the rotary-powered brush as dispensed to them in the office as part of a protocol for management, maintain a better level of disease control than patients using an assortment of other techniques.

