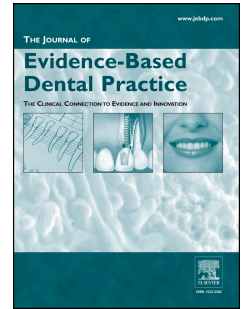


# Accepted Manuscript

Short-term and long-term effectiveness of powered toothbrushes in promoting periodontal health during orthodontic treatment: a systematic review and meta-analysis

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## Review Analysis and Evaluation – Diagnosis/Treatment/Prognosis

**DECLARATIVE TITLE:** Insufficient evidence supports powered toothbrushes over manual toothbrushes for soft tissue health during orthodontic treatment

**REVIEWERS** Terri Tilliss  
Clifton M Carey

**PURPOSE/QUESTION:** The authors conducted a systematic review and meta-analysis to assess the quality of evidence comparing the effects of powered and manual toothbrushes on inflammatory status of the periodontal tissues during orthodontic treatment.

**ARTICLE TITLE AND BIBLIOGRAPHIC INFORMATION:** Short-term and long-term effectiveness of powered toothbrushes in promoting periodontal health during orthodontic treatment: a systematic review and meta-analysis. Al Makhmari SA, Kaklamanos EG, Athanasiou AE. Am J Orthod Dentofacial Orthop 2017;152(6):753-66 e757.

### Strength of Recommendation Taxonomy (SORT) Grading

Sort Score

Grade B Inconsistent or limited-quality patient-oriented evidence

Level of Evidence

Level 2 Limited-quality, patient-oriented evidence

**SOURCE OF FUNDING:** None identified

**TYPE OF STUDY/DESIGN:** Systematic review with meta-analysis

### KEY WORDS

Meta-analysis, Systematic review, Power toothbrush, Orthodontics, Periodontal health

## Summary

**Selection Criteria:** The search was conducted using 8 databases (PubMed, Cochrane Central Register of Controlled Trials, Cochrane Database of Systematic Reviews, Scopus, Web of Science Core Collection, Arab World Research Source, Clinical Trials.gov, ProQuest

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