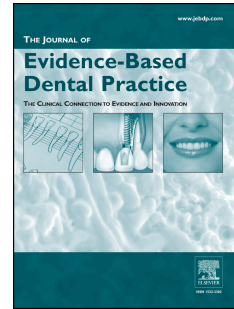


Accepted Manuscript

Insufficient Evidence to Compare the Efficacy of Treatments for Medication-related Osteonecrosis of the Jaws

Kelly McGowan, Reviewer



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Review Analysis and Evaluation

DECLARATIVE TITLE: Insufficient evidence to compare the efficacy of treatments for medication-related osteonecrosis of the jaws.

REVIEWER: Kelly McGowan

PURPOSE/QUESTION: The authors conducted a systematic review and meta-analysis of prospective cohort studies, non-randomized trials, and randomized controlled trials to compare the effectiveness of different therapies used to treat patients with medication-related osteonecrosis of the jaws (MRONJ).

ARTICLE TITLE AND BIBLIOGRAPHIC INFORMATION: Effectiveness of treatments for medication-related osteonecrosis of the jaw: A systematic review and meta-analysis. El-Rabbany M, Sgro A, Lam DK, Shah Ps, Azarpazhooh A. J Am Dent Assoc 2017;148(8):584-94

Strength of Recommendation Taxonomy (SORT) Grading

STRENGTH OF RECOMMENDATION GRADE:

Grade B Inconsistent or limited-quality patient-oriented evidence

LEVEL OF EVIDENCE:

Level 2 Limited-quality, patient-oriented evidence

SOURCE OF FUNDING: Non-profit: Canadian Association of Oral & Maxillofacial Surgeons and the Alpha Omega Foundation of Canada

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

KEY WORDS: Jaw diseases, Osteonecrosis, Bisphosphonate-associated osteonecrosis of the jaw, Bone, Bone density conservation agents, Angiogenesis inhibitors

Summary

Selection Criteria: Three electronic databases (MEDLINE, Embase, and the Cochrane Library) plus Scopus and Google Scholar were searched for prospective cohort studies, non-randomized trials, and randomized controlled trials that evaluated the effectiveness of therapies used to manage MRONJ, as defined by the American Association of Oral and Maxillofacial Surgeon's 2014 diagnostic criteria.

Key Study Factor: This review did not set any limitations on the type of intervention used to manage MRONJ and instead used the type of study as the key inclusion factor. All prospective cohort studies, non-randomized trials, and randomized controlled trials whose participants were receiving any type of treatment for their diagnosed MRONJ were eligible for inclusion.

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