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Oral corticosteroids use in third molar surgery: A systematic review

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Introduction: In the field of oral and maxillofacial surgery, the removal of impacted third molars is considered a routine procedure. However, it is also associated with variable post-operative consequences like pain, swelling and trismus. Corticosteroids are some of the most common pharmaceutical agents employed to manage these complications.

Aim: The aim of the present study was to assess preemptively the effectiveness of oral corticosteroids used in controlling the above sequelae after third molar surgery.

Methods: A PubMed, Medline, Scopus, Sciencedirect, EBSCO and Google scholar search was carried out of all controlled clinical trials on the effects of oral corticosteroids on pain, swelling and trismus after lower third molar surgery. The review was limited to studies published over the last 10 years (2008-2017).

Results: The most relevant randomized controlled trials were selected from among 32 articles.

Conclusions: The results of this study suggest that a single preoperative weight-dependent administration of oral corticosteroids is a safe and effective concept for diminishing postoperative discomfort, pain intensity, and the total intake of analgesics after third molar surgery.

Biography

Akram Belmehdi is a dental doctor and specialist in the Department of Oral Surgery at faculty of dentistry of Rabat, Mohamed V University. He is the Member of the research committee of oral biology and pathology in the University of Mohamed V. He has published 6 papers in reputed journals and has been serving as a reviewer in the *Journal of Medical and Surgical research*. He has participated in more than 30 oral presentations and posters in national and international dental and medical conferences.

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