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The Use of Amoxicillin (500mg) Plus Metronidazole (500mg) For 7 Days Adds Adjunctive Benefits For Non-Surgical Periodontal Therapy, But Limited Evidence Supports Higher/Longer Dose

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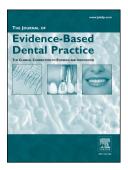
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ACCEPTED MANUSCRIPT

REVIEW ANALYSIS AND EVALUATION // DIAGNOSIS/TREATMENT/PROGNOSIS

DECLARATIVE TITLE:{

THE USE OF AMOXICILLIN (500MG) PLUS METRONIDAZOLE (500MG) FOR 7 DAYS ADDS ADJUNCTIVE BENEFITS FOR NON-SURGICAL PERIODONTAL THERAPY, BUT LIMITED EVIDENCE SUPPORTS HIGHER/LONGER DOSE

REVIEWER Chin-Wei (Jeff) Wang

PURPOSE/QUESTION:

The authors conducted a systemic review and meta-analysis of clinical studies to assess the optimal dose and duration of amoxicillin and metronidazole as an adjunctive to nonsurgical periodontal treatment

ARTICLE TITLE AND BIBLIOGRAPHIC INFORMATION: Optimal dose and duration of amoxicillin-plus-metronidazole as an adjunct to non-surgical periodontal therapy: A systematic review and meta-analysis of randomized, placebo-controlled trials. McGowan K, McGowan T, Ivanovski S. J Clin Periodontol 2018;45(1):56-67.

Strength of Recommendation Taxonomy (SORT) Grading

STRENGTH OF RECOMMENDATION GRADE: B

LEVEL OF EVIDENCE: 2

SOURCE OF FUNDING: Information not available

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

KEY WORDS: Amoxicillin, Metronidazole, Periodontitis

Summary

Selection Criteria: The search was conducted through the electronic database of Embase and MEDLINE (via OvidSP) from 1946 to April 2017 for randomized clinical trials on different combinations and modifications of the key words, including periodontitis, amoxicillin, metronidazole, and randomized controlled clinical trial. The Cochrane Central Register and the WHO International Clinical Trials Registry Platform were also searched for relevant clinical trials. The reference lists of all included studies and relevant

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