

Dear Dr. Vicente Pinto, Gean Erick , Dr. Hellíada , Virgílio , Ana Kércia , Dr. Mirna, Dr. Alrieta:

Your submission Apical periodontitis, atherosclerosis, and hypertension: correlation between inflammatory mechanisms and systemic repercussions : integrative review to Brazilian Dental Science, has been revised and according to reviewers' comments, there are questions to be addressed and/or points to be clarified/corrected.

Please answer the reviewers considerations point-by-point in a separate document and also please make all the corrections in the text highlighted in yellow.

Deadline: 30 days

Thank you for considering Brazilian Dental Science for publishing your research.

We are looking forward the revised version of you manuscript.

Sincerely,

Profa. Dra. Renata Falchete do Prado

Departamento de Biociências e Diagnóstico Bucal

Instituto de Ciência e Tecnologia da UNESP - São José dos Campos

Department of Biosciences and Oral Diagnostics

UNESP Institute of Science and Technology - São José dos Campos

Reviewer F:
Recommendation: Accept Submission

Questionnaire

Does the manuscript contain new and significant information to justify publication?*

Yes

Does the Abstract (Summary) clearly and accurately describe the content of the article?

Yes

Is the problem significant and concisely stated?

Yes

Are the methods or research design described comprehensively? Is the statistical analysis adequate?

Not Applicable

Are the interpretations and conclusions justified by the results?

Yes

Is adequate reference made to other work in the field?

Yes

Is the language acceptable?

Yes

Manuscript Structure

Length of article is:*

Adequate

Number of tables is:

Adequate

Number of figures is:

Adequate

Please state any conflict(s) of interest that you have in relation to the review of this paper (state “none” if this is not applicable).

No conflict of interest has been detected.

Rating

Interest*

Excellent

Quality

Good

Originality

Good

Overall

Excellent

Recommendation

Accept

Would you be willing to review a revision of this manuscript?

No

Comments

Comments to the Author

This review is crucial for providing solid information on the clinical importance of removing periapical infection foci as a way to minimize atherogenesis. The impact of inflammatory stimuli on the pathophysiology of endothelial disease is an universal consensus. Although essential arterial hypertension is a multifactorial disease, including genetic and epigenetic, psychological, and environmental factors, this review demonstrates that the stimulus of chronic inflammation of odontogenic origin has a clear and important synergistic effect. It is worth noting that arterial hypertension has enormous epidemiological significance and that cardiovascular disease is the leading cause of mortality in humanity. Therefore, any contribution to minimizing morbidity and mortality from cardiovascular diseases is of paramount importance. I believe that a statistical meta-analysis could further enrich this paper.

Reviewer J:

Recommendation: Revisions Required

Questionnaire

Does the manuscript contain new and significant information to justify publication?*

Yes

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Is adequate reference made to other work in the field?

Yes

Is the language acceptable?

Yes

Manuscript Structure

Length of article is:*

Adequate

Number of tables is:

Adequate

Number of figures is:

Adequate

Please state any conflict(s) of interest that you have in relation to the review of this paper (state “none” if this is not applicable).

None

Rating

Interest*

Excellent

Quality

Excellent

Originality

Good

Overall

Good

Recommendation

Minor Revision

Would you be willing to review a revision of this manuscript?

Yes

Comments

Comments to the Author

The manuscript addresses a relevant and timely topic, exploring the relationship between apical periodontitis and cardiovascular diseases, particularly hypertension and atherosclerosis. The integrative review is well structured, with a clear methodology, updated references, and a coherent discussion.

I suggest minor revisions:

Provide more detail on the exclusion criteria and the rationale for restricting the search to PubMed and Lilacs.

Include a brief section on study limitations.

Expand the critical discussion by comparing divergent findings among the included studies.

Revise minor grammatical issues to improve text flow.

Overall, this is a valuable contribution that deserves publication after small adjustments.
