

Review of: "Periodontal disease in association with Myocardial Infarction with Non-Obstructive Coronary Arteries and Microvascular Coronary Artery Disease"

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Potential competing interests: No potential competing interests to declare.

The subject is very interesting and brings more information between the association of periodontal disease with cardiovascular disease.

Introduction:

- a direct causal relationship between periodontal disease and cardiovascular disease was not yet demonstrated, although there are facts that suggest a potential association and they share some common risk factors, please review available literature and reformulate eventually
- the introduction should be formulated according to the aim of your paper

Methods:

- you should clearly formulate inclusion/exclusion criteria
- you should clearly explain how the dental assessment was performed; please use the latest classification of periodontal disease
- age and gender matched population would have been preferred

Results

- how do you define physical exercise? what about smoking? Define regular dental visits (cf WHO recommendations if no national available)
- did you exclude patients with other oral health problems? Be more generous with your study group details please
- why did you include diabetes mellitus patients? Why did you include chronic kidney disease? Both are seen as potential risk factors for periodontal disease (review literature), you create a confusion factor in your analysis.
- You said that group 2 include a healthy population. Please review your statements.
- please review your result display, there can be some confounding factors in the way you present your observations

Discussions

- the aim of your study was not to describe a physiopathological mechanism and the results you presented do not allow you to elaborate such a mechanism, please refrain from giving too much details, this could be eventually an objective for your future research

- compare your results with those found in literature in order to improve your discussions chapter

Best regards