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.

It is enthralling to see your write up on Cardiovascular Medicine and Periodontal Diseases.

However keep in mind that there are multiple observational studies on the same topic and it is imperative to bring in something new in this article which I feel has been done by comparing and correlating the characteristics of MINOCA with that of periodontal disease. I would suggest you to analyze the effect of periodontal treatment on MINOCA outcomes to understand the current trends in Periodontal Medicine and how periodontal treatment would reduce the risk of MINOCA with a reduced sample size as a future perspective.

I request the Authors to clear the following doubts and query and also have a look at the marked up PDF with the comments that I have added in the supplementary data section:

1. Kindy add references where and all I have asked for in the introduction subheading.
2. Kindly mention the source from where the age matched controls were recruited, as I feel that seldom would patients with no major issues even visit a hospital.
3. Requesting you to validate with a reason in the discussion as to why the PSI was made use of and no other index was taken into consideration. It needs to be kept in mind that the EFP/AAP World Work Shop Classification of 2017 is the gold standard in diagnosing periodontitis in today's date.
4. Number of cases and controls is not equal and a minimum ration of 1:1 should have been maintained. Kindly specify the reason for the same. I also request you to mention how the sample size was calculated prior to commencement of the study and whether any pilot study was performed or not.
5. Significant gender difference amongst the groups and if it has any impact on the outcomes of the study. I would like to know the effect of confounding factors on the results achieved like males vs. females by showing the Multiple Logistic Regression analysis for evaluation of the effect of male/female gender on the risk of development of MINOCA in periodontitis patients.

Message to the Publication Team:

Thank you sir for providing me with the opportunity to review the manuscript submitted to your journal. I request you to keep a close watch on this manuscript as it has to be scripted more appropriately with minor corrections.

Moving to the relevance of the topic written in the manuscript, Periodontal Medicine and the relationship between

periodontitis and MINOCA has never been a hot topic for research however the authors have tried to bring out something new and thoughtful. This is an evergreen topic in the vast expanse of literature available in the field of Periodontal Medicine. Hence I would encourage you to go ahead with the acceptance of the manuscript following a MINOR REVISION.

Thanking You and Awaiting a reply.