

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.

Dear Authors,

I read with great interest the manuscript "Periodontal disease in association with Myocardial Infarction with Non-Obstructive Coronary Arteries and Microvascular Coronary Artery Disease".

The title catch attention, but the design of the study has some biases that undermine conclusions.

The population is not homogeneous and not adequately matched between the 2 groups (MINOCA vs normal): e.g. female frequency is different between the groups, as mellitus diabetes is.

Mellitus diabetes, peripheral artery disease, renal disease, smoking are all associated to periodontitis. These means that confounding could have undermined the results and the conclusions.

I suggest to strengthen the design by adequately matching the groups (MINOCA and controls).