Reviewer's report

Title: Influence of type 2 diabetes on local production of inflammatory molecules in adults with and without chronic periodontitis: a cross-sectional study

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Reviewer: Fawad Javed

Reviewer's report:

This manuscript addresses an interesting issue but needs major revisions before it can be considered further. I regret to say that the manuscript is carelessly written and many important references have been skipped. First of all, the title does not match with the objectives. Let me remind you that the aim, conclusions and title should match. Moreover, your title is incomplete. From a well-written title, the reader should be able to understand the objectives of a study. There are undefined abbreviations throughout the manuscript. What is the difference between DM and T2DM? The results in the abstract reflect that HbA1c levels were assessed but your methodology does not mention that this parameter was assessed. Please read and revise your abstract. Methodology is also poorly expressed in the abstract. The introduction merely repeats well known facts and fails to explain what is lacking or needs to be known/clarified in this area of research. There is no hypothesis either. The methodology is poorly expressed. How was chronic periodontitis defined? Various parameters (such as chronic periodontitis, measurement of glycemic levels and demographic characteristics of the study population are mixed up. Use of separate subheadings could have eased comprehension and could have given a flow to this manuscript. How as the sample size estimated? Why didn’t the authors perform a power analysis? The results are presented in a very complicated manner……very difficult to interpret. In the discussion, the authors have strived hard to support their results by comparing them with other studies. It remains unclear what this study adds. All facts reported here are already known. What is new here? What are the limitations of this work? What are the future perspectives? Would there be a difference in nonsurgical periodontal therapy is performed in chronic periodontitis patients with and without diabetes? Can these immunological markers be used as diagnostic tools for detection of diabetes? This manuscript should be revised and rewritten by a professional scientific writer under professional supervision.

Level of interest: An article of importance in its field

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests