Reviewer’s report

Title: The association between Interleukin-28B gene polymorphisms as a potential biomarker and the risk of Chronic Periodontitis in an Iranian population

Version: 1 Date: 17 Apr 2017

Reviewer: P Vaz

Reviewer's report:

In the Introduction the authors should review the references presented. In fact they referenced some recent work but there are more recent and international one about genetics and chronic periodontitis. To make the work more independent and scientifically correct, they must be more international in the reference selection as well as in the cited journals.

The state of the art needs to be improved!!

In the Study subjects the sentences "Study population was selected from outpatient department of the Periodontology, Dentistry Clinic of Zahedan University of Medical Sciences, Zahedan, Iran, as previously described [17]. In summary, a total of 210 patients with CP and 100 healthy controls were recruited." need to be reformulated.

The authors have to explain what is "outpatient" as well as the sample selection - Why were 210 patients and not 100?, Why they choose the control group with 100 patients?

The authors should explain the sentence "All volunteers were nonsmokers, had at least 20 teeth and were Iranian ethnicities from the South East of Iran". Iranian ethnicities is not clear...

The English has to be improved!!

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal