Reviewer's report

Title: Variation in the CXCR1 gene (IL8RA) is not associated with susceptibility to chronic periodontitis

Version: 1 Date: 2 August 2011

Reviewer number: 2

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I have the following comments about the manuscript:

Major Compulsory Revisions

1. The authors describe chi-square was used to assess differences between cases ad controls. Why not a multivariable analysis taking into consideration gender and smoking status Table 1 clearly show cases had more smokers than controls.

2. A power calculation was not included to help the interpretation of the results. Is the study underpowered?

Discretionary Revisions

1. Brazilians are a tri-hybrid of White Europeans mostly of Portuguese origin, Africans, and Amerindians. How this variable was accounted for in the analysis? Data on this should have been presented and maybe included in the analysis.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.