Reviewer’s report

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

Version: 1 Date: 6 August 2011

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Minor Essential Revisions

The authors should clarify whether the lack of differences are really due to lack of genotype effects or to an interaction with the smoking status.

This is because the % of smokers is statiscally significant when the patients and controls are compared (22% and 9%, respectively; P<0.05).

Therefore, becuase smoking is a risk factor for periodontitis, it is possible that the disease is due to smoking or to an interaction with the smoking status. A multivariate analysis could let us know the final answer.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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