Reviewer's report

Title: Associations between genetic polymorphisms and temporomandibular joint disorder

Version: 1 Date: 29 November 2010

Reviewer: KeWei Wang

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This manuscript describes the analysis of genetic polymorphisms located on 17 genes of oral mucosa samples from 86 TMD patients. Authors performed the genotyping of over 220 individuals on 17 genes. They identified five polymorphisms that involve folate deficiency, psycho-physical stress and oxidative metabolism, and showed their strong association with TMD. Although those identified 5 polymorphisms need to be further confirmed, the overall findings of this study are interesting. I have a few comments/questions:

1, What was the OR value for the DRD4 gene analyzed?
2, First paragraph of Method, page 5, at least needs rewording (including grammar) and requires careful revision.
3, Table 1 includes 26 SNPs studies, not 27 SNPs?

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.