Reviewer's report

Title: Hearing impairment risk and interaction of folate metabolism related gene polymorphisms in an aging study.

Version: 1 Date: 9 December 2010

Reviewer: Nejat Mahdieh

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The review to manuscript entitled "Hearing impairment risk and interaction of folate metabolism related gene polymorphisms in an aging study by Uchida et al.

This study describes the effect of MTHFR C677T allele on age-related hearing impairment (ARHI). This study focused on clarifying the impact of this polymorphism on hearing impairment among wild-type homozygotes for MTR A2756G. Authors have show that MTHFR C677T has an favorable effect on HI among individuals with homozygous MTR A2756G. The question posed by the authors is well defined, but the methods should be described in details. The data are sound interesting but they should be completely discussed.

It is needless to say that some parts of the manuscript are too long and should be rewritten.

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.