Reviewer's report

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

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Reviewer: Nejat Mahdieh

Reviewer's report:

Introduction is too long. Figure 1 and the following paragraph should be deleted: "A simplified scheme showing the role of MTHFR and MTR in folate metabolism and the one-carbon transfer reactions involved in DNA synthesis and methylation reactions is presented in Fig. 1. 5,10-methyleneTHF is a methyl donor for the nonreversible methylation of deoxyuridine-5-monophosphate to deoxythymidine-5-monophosphate [10]. 5,10-methyleneTHF is also oxidized to 10-formylTHF for de novo purine synthesis [11,12]."

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.

Declaration of competing interests:

I declare that I have no competing interests