Reviewer’s report

Title: Associations of Noise Kurtosis, Genetic Variations in NOX3 and Lifestyle Factors with Noise-induced hearing loss

Version: 0 Date: 04 Dec 2019

Reviewer: Qing Chen

Reviewer's report:

This paper aims to explore the interaction of noise temporal structures (kurtosis), gene polymorphisms, and life style to noise-induced hearing loss among industrial workers, which has good innovation point.

However, there are still some problems in the paper that need to be revised:

1. The English of the manuscript must be improved before resubmission. In the methods of abstract section, it is appropriate to use the passive voice.

2. In the methods of abstract section, the relationship between GT genotype and NOX3 should be explained.

3. It is suggested to modify the keywords as follows: noise; kurtosis; NOX3; lifestyle; interaction; hearing loss

4. The definition of complex noise needs to be further clarified.

5. Line 78 "law of equal energy" should be replaced with "equal energy hypothesis (EEH)". The hypothesis assumes that regardless of the type of noises, if the equivalent sound levels of noises are the same, the noise-induced hearing losses are equivalent.

6. In the Subjects section, how is the 307 controls selected?

Level of interest

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Quality of written English

Please indicate the quality of language in the manuscript:

Needs some language corrections before being published
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