Reviewer's report

Title: Cathepsin D C224T polymorphism and risk of Alzheimer's disease: An update meta-analysis

Version: 1 Date: 29 September 2013

Reviewer: Lan Tan

Reviewer's report:

Minor Essential Revisions
1. As a function variant might contribute to AD susceptibility, further discussing its potential role in AD pathogenesis is needed.
2. In the Discussion section, this sentence “…, suggesting that EAOD patients and LAOD patients had the same genetic background” (on Page 12 line 9) seems unsuitable.
3. The authors evaluated the interaction of the CathepsinD with APOE#4 allele. However, only stratified analysis by the APOE#4 status was shown; the possible interaction role tested by logistic regression was not analyzed in the manuscript.
4. The English should be improved in the paper.

Level of interest: An article whose findings are important to those with closely related research interests

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

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

Declaration of competing interests:

No competing interests in relation to the paper we are reviewing