Reviewer’s report

Title: Association between Paraoxonase gene and stroke in the Han Chinese Population

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Reviewer: Xingyu Wang

Reviewer’s report:

Authors described the association of PON genes and stroke in whole and ischemic stroke in Chinese population.

There are several questions need to be clarified;

1, control subjects are younger than cases, but with much higher prevalence of hypertensions. The stroke cases have 17% of hypertension is also questionable. What is the proportion of recurrent of stroke? What is the proportion of cases taking anti-hypertensive medications?

2, all subjects recruited in the study have 76% and 74% of diabetes, that is exceptionally high. I wonder if stroke cases were from consecutive patients and control subjects were randomly recruited from the clinic?

3, the rs705381 is associated ischemic stroke, since authors have reread removed cerebral embolism and other rare cases, it would be interesting to know the association of SNPs with large vessel and small vessel strokes.

4, does rs705381 associate with HDL level? Does HDL attenuate the association of rs705381 with ischemic stroke?

5, English should be improved.

6, there are some redundancy of reference, number of reference should be reduced.

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

Declaration of competing interests:

I declare that I have no competing interests