Reviewer's report

Title: Hypertension after preeclampsia in relation to the C1114G polymorphism (rs4606) in RGS2: data from the Norwegian HUNT2 study

Version: 1 Date: 13 January 2014

Reviewer: Tzu-Hao Wang

Reviewer's report:

In the paper titled as “Hypertension after preeclampsia in relation to the C1114G polymorphism (rs4606) in RGS2: data from the Norwegian HUNT2 study”, the authors described a significant association between the GG genotype of rs4606 and severe hypertension later in life, defined as systolic blood pressure greater than 160 mmHg. However, the polymorphism was not associated with diastolic hypertension alone. In this study, the question to be addressed was important, the numbers of studied populations were sufficient- 934 cases and 2011 controls, the technology of SNP genotyping was reliable, the methods of statistical analyses were standard, and some associations were significant. However, the summary of results, especially in Table 2, was not clear enough to convince readers.

- Major Compulsory Revisions

The results in Table 2 are the essence of this study. However, I found Table 2 to be confusing to understand. For instance, I expected the sum of % of CC, CG and GG to be 100% for each row of Table 2, but they were not: 65.3% for Controls, 120.6% for preeclampsia... etc..

For each row of this Table, “what was denominator and what was numerator” should be explicitly clear to understand, but they were not. Therefore, the following analyses in this paper using the data of Table 2 lost their credibility.

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

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