Reviewer's report

**Title:** Major inducing factors of hypertensive complications and the interventions required to reduce their prevalence: an epidemiological study of hypertension in a rural population in China

**Version:** 2 **Date:** 3 January 2011

**Reviewer:** Alejandro Marfil

**Reviewer's report:**

**Major compulsory revisions:**

1. It is not well established in the paper the methodology of the survey. The statistical analysis used (i.e., GEE) is intended for longitudinal measurements, and this is stated only in Table 3, but not in the methodology section. Which variables were measured and how many times? Which was the interval of these measurements?

2. It is not clear if the study subjects are a sample of the entire population of the four villages or only those who have access to medical services. It has implications for the calculation of the prevalence figures.

3. There is not a clear reason to have excluded from the analysis if enrollment to NRCMS or hypertensive treatment were beneficial for hypertensive control.

4. The endpoints for brain damage (i.e., TIA) are not well specified.

5. Conclusions should be revised after these clarifications.

**Minor essential revisions:**

1. It is not clear why lab studies were done to hypertensive patients only. There is not a control population to make comparisons.

2. Alcohol intake should be expressed in grams per day.

3. Figure 1 should specify the elements of compound medications.

4. **Level of interest:** An article of limited interest

**Quality of written English:** Acceptable

**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.