Reviewer's report

**Title:** Relationship between serum uric acid and internal carotid resistive index in hypertensive women: a cross-sectional study

**Version:** 1  **Date:** 26 May 2012

**Reviewer:** qin li

**Reviewer's report:**

The authors have demonstrated that serum uric acid (SUA) levels are associated with internal carotid artery resistive index (ICRI) in hypertensive women by analyzing the data from a cross-sectional study. The overall writing style, study methodologies and statistical analysis are excellent. Due to the topic and the data I think the data are interesting and this ms should be considered for publication, however, I have several concerns.

**Major critiques**

1. Were study participants randomly selected? However, the selection of the participants is not clearly indicated. Authors should clearly describe this point.

2. As mentioned in the ms that SUA is associated with intracranial microvascular damage, then how the prevalence of subjects with brain infarction in this research?

3. How the prevalence of subjects with anti-uremic medication (for example, Allopurinol, Benzbromarone) were evaluated?

4. In my opinion, the therapeutic potential in this research area should be discussed. For example a discussion concerning the current knowledge from trials about the effect on CVD/risk factors when reducing SUA by treatment with allopurinol.

**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.