Reviewer's report

Title: Association of HLA-B*5801 Allele and Allopurinol -Induced Stevens Johnson Syndrome and Toxic Epidermal Necrolysis: A Systematic Review and Meta-analysis

Version: 1 Date: 5 May 2011

Reviewer: Wichittra Tassaneeyakul

Reviewer's report:

This study is a meta-analysis of the association of HLA-B*5801 and allopurinol-induced SJS/TEN. It has been shown in several studies that there are some association between HLA-B*5801 and allopurinol-induced SJS/TEN. Association between HLA-B allele and drug-induced SJS/TEN has also been reported with carbamazepine. Moreover, marked ethnic different in this association has been demonstrated. This review mentioned that there was no ethnic different in the association among HLA-B*5801 and allopurinol-induced SJS/TEN.

Major Compulsory Revisions

1. The major defect of this study is that the data that included in the study is not up to date. The review stopped at October 2009. Why the authors do not review the recent studies of these association. Several recent reports on this association in several ethnic have been published.

2. Discussion part is too long, authors specify several strengths of their research work which may not be necessary to here.

3. The reason why is no ethnic different in the association between HLA-B*5801 and allopurinol like carbamazepine and HLA-B*1502 need to be discussed.

4. This association is not limited to only SJS/TEN, it also association with DRESS induced by allopurinol, is it worth to mention in this study.

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' But I noticed that the authors acknowledged me in the acknowledgment section. Anyway I haven't read their manuscript before they submit to your journal.