Reviewer's report

Title: Tachykinin receptors antagonism for asthma: a systematic review

Version: 2 Date: 12 June 2011

Reviewer: Linjie Zhang

Reviewer's report:

General comments:

This systematic review aimed to assess the effect of tachykinins receptors antagonism on asthma. A comprehensive search for randomized trials was performed. Meta-analysis was not conducted due to small number of trials and heterogeneity across studies. The results of the included trials were adequately summarized. This review provides current available evidence on this topic.

Special comments:

1. Page 2, lines 42-43: Abstract

"Symptoms, airway inflammation, lung function and airway inflammation were considered as outcomes" should be presented in the paragraph "Method" rather than in the "Results".

2. Page 2-3, lines 47-52: Conclusion

The conclusion based on the results of this systematic review should be " The limited available evidence suggests that tachykinin receptors antagonist may decrease airway responsiveness and improve lung function in patients with asthma. Further large randomized trials are still required."

3. Page 6, lines 112-118: Studies, participants, interventions and outcomes

Adverse events of the treatment should be considered as one of the outcomes.

4. Page 7, lines 130-142: Data collection and analysis

- The number of screened titles and abstracts and the number of studies finally included in the review should be presented in the "Results" rather than in this method paragraph. A flowgram showing selection process is strongly recommended.

- The authors stated that the methodological quality of the included trials was assessed with particular emphasis on allocation concealment and randomization. However, the authors used a grade system which evaluates the quality of a body of evidence rather than the quality of individual study. The reference for this grade system should be cited. The assessment of risk of bias for individual study according to Cochrane Collaboration should be reported.
- In this paragraph, the authors should state that meta-analysis was not conducted due to small number of included trials and heterogeneity across studies.

5. How many trials reported adverse events of treatment with tachykinin receptors antagonist? The results of this outcome should be reported in the "Results"

6. Page 14: Table 2

p values for comparision of two groups in individual trial should be presented in the table.

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Needs some language corrections before being published

**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