Reviewer’s report

Title: Vasorelaxant effects of Angelica dahurica on isolated rat aortic rings

Version: 2 Date: 18 June 2015

Reviewer: swati Omanwar

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Major Compulsory Revisions:

1. The authors say in material and methods that ACh was added, when tension reached peak, this is not indicated in figures 2 A and 2 B.

2. The methodology does not state how the data was recorded. A more detailed methodology would be appreciated.

3. What was the rationale of using 0.03, 0.1, 0.3, 1 and 3mg/ml concentration of ADE for the present study?

4. The methodology for Effect on ADE on extracellular calcium and SR calcium release is so ambiguous that it becomes difficult to interpret the result. Nowhere in the Effect on ADE on extracellular calcium, it is mentioned whether calcium free kreb’s was used or not.

The author must respond to these before a decision on publication can be reached. For example, additional necessary experiments or controls, statistical mistakes, errors in interpretation.

1. The authors have not mentioned what they used for control.

2. The authors have not mentioned anywhere in the manuscript the number of rats they have used. In the legend they have indicated that n ranges from 4 to 8. If n is the number of aortic rings studied, then 4 is not statistically significant and the results can be suggestive but not conclusive.

We get about 8 to 12 thoracic aortic rings from a single rat. If the authors have used only 4-8 rings, it means the animals used was only one for a single set of experiment. This does not give diversity to the study and the results are only pilot studies and can not be authentic.

Minor Essential Revisions

There are several minor corrections to be made like nowhere in the manuscript full form of ADE is given

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited
Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
'I declare that I have no competing interests'