Reviewer's report

Title: Curcumin supplementation could improve diabetes-induced endothelial dysfunction associated with decreased vascular superoxide production and PKC inhibition

Version: 2 Date: 22 June 2010

Reviewer: Sorimuthu Subramanian

Reviewer's report:

I have gone through the revised manuscript submitted by the authors as well as the comments of the reviewers. The following are my comments on the revised manuscript.

1. The manuscript needs English correction.
2. The authors have evaluated the effect of curcumin supplementation on DIABETES induced endothelial dysfunction. However, the results presented in the table 1 clearly shows that the curcumin administration both at low and high concentration did not control the plasma glucose and HbA1c(%)levels. Thus, the primary objective of the study was not substantiated.
3. Most of the sentences in the revised manuscript was confusing. For instance, in page No. 2 under the head "methods" it has been stated that "daily curcumin oral feeding was started six weeks after STZ injection, 12 weeks after STZ".
4. In all the figures, the interpretation of significance is not understandable.

In the light of above, the present manuscript requires MAJOR REVISION.

Level of interest: An article of limited interest

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

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