Reviewer's report

Title: Homocysteine and Cardiovascular Disease

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Reviewer: Vishal Singh

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Summary:
This is an interesting review article on possible role of homocysteine in cardiovascular complications. In this review article authors put emphasis how homocysteine modulate the cardiovascular function by involving nervous system. However, the link between nervous system and cardiovascular function specifically in terms of homocysteine is not explained well. Before getting into the publication authors need to majorly revised this manuscript.

Major Compulsory Revisions
1- The review article has very little nutritional accent. Therefore the nutritional dimension has to be stressed across the review article.
2- Over-long paragraphs in article make difficult to follow the information.
3- Conclusion need to rewrite since the available information is completely redundant and does not match with the theme of the review article.
4- There are multiple opinions including the American Heart Association have not yet considered hyperhomocysteinemia a major risk factor of cardiovascular disease. Specifically, AHA don’t recommend the widespread use of nutritional supplements such as folic acid and vitamin B, known to elevate homocysteine level, to reduce the risk of cardiovascular diseases. The above mention aspects should be critically discussed in the review article.

Minor Essential Revisions
- Abstract is too elaborative; would benefit from being shortened

Quality of written English: Not suitable for publication unless extensively edited

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.