

Review of: "Ascorbic Acid Therapy in Hematological Malignancies - The Current Knowledge and Future Directions"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

In this review authors have made an attempt to summarize the potential of Ascorbic Acid (AA) in hematological malignancies from various perspectives starting from mechanism and have provided directions for future research which is highly imperative. I however feel the information is quite scattered and not organized systematically. There are missing links and connections in between and as a reader it is easy to get lost when there are no connecting links. There is a difference in the objective with which the authors begin a section and end it, leading to randomness; i.e., the authors set out to achieve something but land up somewhere else. In addition, there are minor grammatical errors like tense mismatch but can be conveniently ignored. kindly note the following. These might help in improving the article.

The abstract says that the article reviews the potential of AA in cancer treatment, however the authors don't discuss this explicitly in the review. Pls highlight the importance of plasma concentrations of AA. There is an irrelevant transition in introduction where the authors talk abt OAA and then move to plasma concentrations. Introduction can be more elaborative to include background and motivation for this review along with concerns that authors feel are important. I feel there is a missing link. I think figure 1 can be improved. The text mentions [Fig 3], while there is no such figure in the manuscript. It would be helpful if authors provide the physiological concentration range of AA in the section of selective toxicity of AA. The same section requires proper conclusion, a holistic summary. I feel the aim of the section is not reflected in the end of the same.

'Additive effect with ATO' in APL is systematically written and organized. The section: 'Synergy with hypomethylating agents in AML' doesn't capture the idea of synergy effectively. The conclusion is incomplete. I suggest the authors to consider the key points of all the sections in conclusion. The article requires major reference formatting. Kindly stick to one reference format. The authors are also advised to refer and cite some of the recent advances/articles.

Thanks and regards