Reviewer's report

Title: In vivo dual targeting of the oncogene KCNH1 by calcitriol and astemizole results in enhanced antineoplastic effects in breast tumors

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Reviewer: hemant kumar bid

Reviewer's report:

This is an interesting study with respect to “In Vivo ----- breast tumors”. I have number of comments, which need to be address before, consider this study for publication:

1. Study design is poorly discussed
2. Reason to select MBCDF and T-47D cell lines for this study is not explained well
3. Along with the weight loss authors should also need to show the H and E of various organs for Toxicity
4. Authors should also determine Vit D in the serum
5. Limitations and future implication of the study is not well described in the conclusion section
6. End of the invivo study CD34 and TUNEL in the tumors will be more meaningful
7. What is the effect of this combination in resistant breast cancer cell lines as well ER negative conditions
8. EAG1 expression profile in clinical samples in different subset of patients will be a very informative data for this study
9. Its good to put IHC pictures with graph data
10. Future implication and clinical utility of this study is poorly described
11. How important EAG1 in Vitamin D metabolism

Level of interest: An article whose findings are important to those with closely related research interests

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:
No Conflict of interest