Review of: "Anti-metastasis After Bee Venom and Melittin by Upregulation of BRMS1 and DRG1 Genes, With Downregulation of WNT7B in Breast Cancer Cells"

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Potential competing interests: No potential competing interests to declare.

Overall, the manuscript was well written. The abstract, along with other components in the manuscript were well addressed and reasonable to the title and its objectives. The tables and figures provided were also helpful to understand the discussed topic. The manuscripts addressed the cytotoxic potential, wound healing mechanism and expression profile of bee venom and melittin as compared to cisplatin. There are several comments that the authors needs to improvised in order for the manuscript to more understandable.

For example:

INTRODUCTION:

1. The author should put the current prevalence of breast cancer and the possible side effects of conventional treatments in order to highlight the importance of considering the alternative treatments, particularly apitherapy.

EXPERIMENTAL SECTION:

1. For the Bee Venom, Melittin and Cisplatin Treatments - It would be beneficial to put the incubation time and concentration of the treatment to each experiment (in MTT assay section itself etc….) so that it would be more understandable for the readers.
2. The calculation of cell viability percentage and selectivity index should be mentioned in the manuscript. You can use a manuscript (PMID: **33381215)** as an example to show the calculation.

RESULTS AND DISCUSSIONS:

1. The first sentence of this section is not required.
2. Kindly to elaborate and discuss more on the findings of MTT assay and wound-healing assay as I noted the discussion for these areas is lacking.
3. May I know, if the bee venom were used for wound-healing treatment is considered not safe? Since it was noted that there is still a delay of wound-healing progress in normal breast cells (MCF10A) beyond 24 hours.
4. Please consider to elaborate on the characteristics of bee venom and melittin that you think might influence their

difference in IC50 value since the melittin is also part of bee venom.

5. Kindly to enlarge the Figure 6 so that it can be viewed easily.

CONCLUSION:

Overall a good conclusion. I do think it would be beneficial if the author could emphasize the conclusion in regards to the cytotoxicity and wound-healing parameters too.