Reviewer's report

Title: Immunological response in mice bearing pulchellin-treated breast tumor

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Reviewer: Jong-Hwei Pang

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In this manuscript, authors studied the effect of pulchellin on the immunologic response in mice bearing LM3 tumor. The NO production in isolated peritoneal macrophages, levels of various cytokines in PEC cells or spleen cells, and distribution of immune cells were analyzed and compared among three different groups of mice (normal, tumor and tumor+pulchellin).

Comments

1. This study aimed to study the potential effect of pulchellin on treating tumor, however, it did not have the data regarding the change of tumor in mice by treating with pulchellin.

2. The present manuscript showed only some preliminary observations which were difficult to reach conclusion.

3. It is better that these data should also be studied in normal mice with pulchellin treatment.

4. Authors should pay more attention on preparing their figures. In Figure 3, data for IL-10 and IFN-γ were not found. Instead, same figure from Figure 2 was shown in Figure 3 twice?

- Major Compulsory Revisions

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

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

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