Reviewer’s report

Title: Acacia hydaspica R. Parker ameliorates Cisplatin induced Oxidative stress, DNA damage and Morphological alterations in Rat Pulmonary tissue

Version: 0 Date: 10 Sep 2017

Reviewer: Hung-Rong Yen

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BCAM-D-17-00698

Acacia hydaspica R. Parker ameliorates Cisplatin induced Oxidative stress, DNA damage and Morphological alterations in Rat Pulmonary tissue

Reviewer's Assessment:

The authors aimed to investigate the protective potential of A. hydaspica polyphenol rich ethyl acetate extract (AHE) against cisplatin (CP) induced pulmonary toxicity. Generally, the studies were well done and the results confirmed the protective effect of AHE, especially before the administration of CP.

A few concerns were raised as followings:

Major issues:

1. Please add a section of limitation in the last paragraph of conclusion.

2. In the materials and methods section, the authors extracted A. hydaspica methanol extract and used the ethyl acetate extract (AHE) for the in vivo experiments. The control group included a group of rat given saline only. Did the authors dissolve the AHE in saline in the AHE treated groups?

3. As the authors mentioned in the discussion section, the CP-induced lung toxicity is similar to the bleomycin-induced lung fibrosis. Indeed, in the H&E staining, there were some fibroblast aggregations. Did the authors also stain the collagens?
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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