Reviewer's report

Title: Anti-inflammatory and antioxidant effects of Tualang honey in alkali injury on the eyes of rabbits: Experimental animal study

Version: 2 Date: 13 May 2011

Reviewer: Lourdes Rodriguez-Fragoso

Reviewer's report:

Major Compulsory Revisions

Authors studied the antiinflammatory and antioxidants effects of Tualang honey by a clinical and histopatological examination and evaluating the antioxidant status and the amount of lipoperoxidation products following established methods. However, in order to complete and improve the results it would be recommendable that the authors include some data from animals just with alkali injury (positive control). It is important to know the grading of the features of alkali chemical injury in cornea induced by themselves, with their experimental conditions, not according with previous reports. Otherwise, author should say way they did not include

Authors indicates that the histopathological examination of the cornea showed the number of polymorphonuclear leucocytes was below 50 for both groups (mild grade). However, in order to complement the results would be important to include photographs of histopathological analysis showing the presence or absence of inflammatory cells.

Although the authors indicate that there was also no significant difference in the level of total antioxidant status as well as lipid peroxidation. However, again they need to include in Table 3 the values of the oxidative status and the lipid peroxidation observed from animals with alkali injury in order to be more clear and know the changes produced by each treatment.

Minor Essential Revisions

Authors indicate in Results section that they used a Mann-Whitney for the statistical analysis. It would be convenient that they include in Material and Methods the statistical method and the significance level (p =, < ?).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

'I declare that I have no competing interests'