Reviewer’s report

Title: A biological extract of turmeric (Curcuma longa) modulates response of cartilage explants to lipopolysaccharide

Version: 1 Date: 18 May 2019

Reviewer: Amr Amin

Reviewer's report:

The manuscript entitled "A biological extract of turmeric (Curcuma longa) modulates response of cartilage explants to lipopolysaccharide" and authored by Pearson and Kott showed that biological extract of turmeric reduces the LPS-induced inflammatory responses of cartilage and provides evidence for the common use of the spice to reduce articular inflammation and catabolism. The revised version is much improved, however, a few more comments need to be sufficiently addressed before any further consideration. On page 8 (results) quote "GAG release in explants conditioned with TURsim (15 µg/mL) was significantly lower than control explants, but there was no interaction of treatment with time (Figure 2A).", please review this phrase with data presented in the cited figure. Figure 4 should also show representations of the immunofluorescence images. In figure legends, identify what are "C" and "C+".

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.

No

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 recommend additional statistical review

Quality of written English
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