Reviewer's report

Title: Hepatoprotective effect of curcumin and alpha-tocopherol against cisplatin-induced oxidative stress

Version: 2 Date: 7 February 2014

Reviewer: George Asare

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REVIEWER’S COMMENTS
Hepatoprotective effect of curcumin and alpha-1 tocopherol against cisplatin-induced oxidative stress

MAJOR ISSUES
1. What was the rationale behind selecting 200 mg/kg b.wt curcumin when all others are 250 mg/kg b. wt.

2. What is the therapeutic dose of cisplatin in cancer treatment and what was the rationale behind the selected dose?

3. Cisplatin is used in the treatment of cancers which is a chronic condition. Why was an acute study designed for a chronic condition?

4. For animal studies, the standard statistics should be mean ± SEM and not mean ± SD. The statistics should be done again.

MINOR ISSUES
Line 51......may be involved in abrogate oxidative….change to may be involved in abrogating.

Line 65. ......in treatment of various cancers…change to…..in the treatment of various cancers

Line 67...... however, many evidences showed ….change to……however several evidence have shown….

Line 74. ......which has ability to generate…change to….which has the ability to generate

Line 84-85.. Change to …leads to oxidative stress by increasing lipid peroxidation as demonstrated in mice

Line 89/90.. Change to….which has been demonstrated to posess antioxidant activity in vivo

Line 94/95… we aimed to gain insight and to understand the biochemical,…..change to….

The study aimed at gaining insight into the understanding of the
biochemical,…….

Line 104. …Inc (………………, USA). Always state Town and Country.
Line 112/113….. were conducted to the Guide for the Care and…..change to…were conducted according to the Guidelines for the Care and
Line 117….. before the researcher performed….change to……before the commencement of…..
Line 122….. Change to were treated with a single dose
Line 128. After opening the abdominal cavity, the liver was collected and………change to….After opening the abdominal cavity, the liver was harvested
Line 152. Was homogenized to……change to…..was homogenized to give a final concentration of……
Line 155. Town and Country of kit.
Line 236. cisplatin significantly demonstrated the reduction….change to cisplatin significantly led to the reduction (Change similar phrases throughout)
Line 265/266. The up-regulation of NADPH oxidase gene expression indicates the molecular alterations. REPHRASE

271/272. The inefficiency and the insufficiency of antioxidant defense system were concerned in various pathological conditions. STATEMENT NOT CLEAR
Line 280. Delete….been…….
Line 295. The pre-treatment with combined curcumin and #-tocopherol illustrated the….change to……Pre-treatment with combined curcumin and #-tocopherol led to the
Line 310. …involved in abrogate oxidative stress…..change to……involved in the abrogation of oxidative stress
Line 322. ANOVA, One-way analysis of variance. ANOVA mean….analysis of variance.

Level of interest:An article whose findings are important to those with closely related research interests

Quality of written English:Needs some language corrections before being published

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