Author's response to reviews

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

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Reviewer 1: George Asare

MAJOR ISSUES

1. What was the rationale behind selecting 200 mg/kg b.wt curcumin when all others are 250 mg/kg b.wt. (The rationale behind the selected dose based on previous studies including Palipoch et al., 2013)

2. What is the therapeutic dose of cisplatin in cancer treatment and what was the rationale behind the selected dose? [1) Therapeutic dose is 20 mg/m2/day for 5 days, 20-30 mg weekly for 3-4 weeks, or 100 mg/m2 given once every 4 weeks. 2) The rationale behind the selected dose based on my previous study, Palipoch and Punsawad, 2013 and Palipoch et al., 2013 which enough to induce hepatic injury]

3. Cisplatin is used in the treatment of cancers which is a chronic condition. Why was an acute study designed for a chronic condition? (Although cisplatin is used in the treatment of a chronic condition, however its clinical toxicities can occur in the first 24-96 h after administration)

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

MINOR ISSUES

Line 51……may be involved in abrogate oxidative….change to may be involved in abrogating.(Ok)

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

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

Line 74. …..which has ability to generate…change to….which has the ability to generate.(Ok)
Change to …leads to oxidative stress by increasing lipid peroxidation as demonstrated in mice.

Change to….which has been demonstrated to possess antioxidant activity in vivo.

we aimed to gain insight and to understand the biochemical,

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

Inc (………………, USA). Always state Town and Country.

were conducted according to the Guidelines for the Care and.

before the researcher performed….before the commencement of……

were treated with a single dose.

After opening the abdominal cavity, the liver was collected and…….After opening the abdominal cavity, the liver was harvested.

Was homogenized to……was homogenized to give a final concentration of……

Town and Country of kit.

cisplatin significantly demonstrated the reduction….cisplatin significantly led to the reduction (Change similar phrases throughout)

The up-regulation of NADPH oxidase gene expression indicates the molecular alterations.

The inefficiency and the insufficiency of antioxidant defense system were concerned in various pathological conditions.

Pre-treatment with combined curcumin and #-tocopherol led to the.

involved in the abrogation of oxidative stress.

ANOVA, One-way analysis of variance.

Reviewer 2:Somchai Pinlaor (All comment already edited in the earlier review)

Reviewer 3:P. S. Bedi

Major Compulsory Revisions:
1. No compulsory revisions have been done as recommended
2. Background needs to be given in brief.(Ok)
3. No additional experiments are required.(Ok)
4. Statistical data has not been given. It was asked in the earlier review as well. .(Ok)

1. Major compulsory revision
Data should be presented in the table form so that statistical analysis of the data shall be checked. It gives more authenticity to your work. .(Ok)

2. Minor essential revision
No need to give reference after each disease in background, the same may be given in the last of the sentence for eg. Various diseases including liver, neurodegenerative, cardiovascular, lungs and kidney [1-5]. .(Ok)

3. Discretionary revision
Background should be brief. Previous studies reported in the text related to various parameters studied may be used in discussion. .(Ok)