Reviewer's report

Title: Centella asiatica Juice effects on DNA damage, Apoptosis and Gene Expression in Hepatocellular carcinoma

Version: 5 Date: 26 August 2013

Reviewer: Siavash Talebi Taher

Reviewer's report:

This study is about the effect of Centella asiatica Juice on hepatocellular carcinoma. The project showed that the juice can decrease the number of cell through apoptosis. However, there are several issues that need further consideration:

Abstract
Please write the full name of words like RT-PCR and MTT

Background
Please write full name of words like HCC for the first time

Methodology
page 4: full name of DMSO
page 5: full name of TAE
page 6: Leica Epifluorescence microscope (Company name?)
Please delete that was in sentence : One Step RT-PCR that was based on RT-PCR Premix

Results
How the result is showing a significant difference. Please include statistical analysis and p value

Page 8:
The juice had a significant chemoprevention activity (Please mention p value)
The juice significantly increased DNA damage (Please show significant result)

Discussion
Please rewrite the sentence of : The Centella asiatica compounds can cause apoptosis [20, 21], protect against neurotoxicity as well as inhibit promotion [22] and invasion [23] of tumors [24, 25].

Thank you

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