



SDI Review Form 1.6

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| Journal Name: | British Journal of Medicine and Medical Research |
| Manuscript Number: | 2014_BJMMR_13820 |
| Title of the Manuscript: | Dose-dependent Modulation of Lipid Parameters and Inflammatory Biomarkers by δ-Tocotrienol in Hypercholesterolemic Subjects |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| <p>Compulsory REVISION comments</p> | <p>1- Abstract: please differentiate between miRNA and mRNA [<u>please mention this difference in mat & methods</u>] micro ribonuclear acids and messenger RNA????????????????????</p> <p>The present study is a dose-response study examined the effects of δ-tocotrienol free from tocopherols on serum lipid parameters and several inflammatory biomarkers (TNF-α, IL-4, IL-6, IL-8) including circulating miRNAs expression in hypercholesterolemic subjects for 30-weeks</p> <p>However, the conclusion The present results confirm that consumption of <u>δ-tocotrienol plus AHA</u> Step-1 diet causes significant therapeutic effects → Title include only <u>δ-tocotrienol → the authors should change the title to “ a combination bet. δ-tocotrienol and AHA step 1 diet” to be more representable to the results of the study.</u></p> <p>2- Introduction is good with a clear research question at its end</p> <p>3- At line 113: give a title of a paragraph <u>materials</u> : as the authors mentioned some of their materials and their source. Then at the same paragraph, they should mention the</p> | |



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| | <p>commercial kits [name, company, country] of all the measured parameters in the study.</p> <p><u>Line 114: please mention your reference of serum total cholesterol level > 5.50 mmol/L that means = a hypercholesterol. Patient.</u></p> <p>Mention type of consent: oral or written</p> <p>At line 124: they mentioned exclusion criteria with no obvious inclusion criteria. I preferred under study design to place 2 titles: inclusion criteria (1,2,3.....) then exclusion criteria (1,2,3,.....) then causes of termination of study: death- severe illness- hospitalization etc... I think that these 3 subtitles are very important for any clinical trial.</p> <p>Sample size: please justify the number of 30 patients- your randomization method- the computer program used , if any, its version, company and country</p> <p>In figure 2 , in title of the study, in methodology : the authors must place AHA step 1 diet + <u>δ-tocotrienol to avoid any confusion [I went up and down to understand the presence of this combination]</u></p> <p><u>Results are well explained and self explanatory.</u></p> <p><u>Discussion is good and explains results in relation to other studies in a good manner</u></p> <p><u>Up-to-date and relevant references</u></p> | |
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| Minor REVISION comments | | |
| Optional/General comments | . A good research question with a well-done laboratory work. But we need justification of sample size and the method of randomization | |

Reviewer Details:

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| Name: | Sahar Mohamed Kamal Shams El-Dine |
| Department, University & Country | Pharmacology Department, Ain Shams University, Egypt |