

Review Form 1.6

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_81351
Title of the Manuscript:	THE POSSIBLE ROLE OF NANOCURCUMIN IN EXPERIMENTAL STATIN INDUCED MYOPATHY
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:

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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)
Compulsory REVISION comments	<p>Comments on Ms_JAMMR_81351:</p> <p style="text-align: center;">THE POSSIBLE ROLE OF NANOCURCUMIN IN EXPERIMENTAL STATIN INDUCED MYOPATHY</p> <p>The authors have presented an interesting finding where they have shown nanocurcumin mediated amelioration on statin induce myopathy. Though the authors demand that nanocurcumin particles can attenuate the toxicity of the statin and after stoppage of atorvastatin some of histopathological changes can be recovered.</p> <p>The style, format, references cited in the text all are not uniformly described. Paragraphs are scattered in the manuscript.</p> <p>see below some examples,</p> <ol style="list-style-type: none">1. Different statins can induce apoptosis in the skeletal muscle. This result was explained by Rallidis et al., 2012 who found that statin induced myotoxicity through depletion of isoprenoids that control the rate of myofiber apoptosis. The depletion of isoprenoids are responsible for induction of apoptosis . Isoprenoids are also required for synthesis of ubiquinone which is a component of the electron transport chain. The reduction of isoprenoids associated proteins increases cytosolic calcium, which activates a cascade of events leading to the activation of caspase-3.2. Reference.<ol style="list-style-type: none">1. Abdel-Rahman, L.H., Abu-Dief, A.M., El-Khatib, R.M., Abdel- Fatah, S.M.(2016). Sonochemical synthesis, DNA binding, antimicrobial evaluation and in vitro anticancer activity of three new nano-sized Cu(II), Co(II) and Ni(II) chelates based on tridentate NOO imine ligands as precursors for metal oxides. J. Photochem. Photobio. B 162, 2016, 298–3082. Adel A. Marzouk, Ahmed M. Abu-Dief, Antar A. Abdelhamid, (2018). Hydrothermal preparation and characterization of ZnFe₂O₄ magnetic nanoparticles as	

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	<p>an efficient heterogeneous catalyst for the synthesis of multi-substituted imidazoles and study of their anti-inflammatory activity, Appl Organometal Chem. 2018;32, 1, e3794.</p> <p>The basic and major drawback of the manuscript is the dose selection. It is impossible for anyone to draw the conclusion of the study from the doses used in this study.</p> <p>According to the author, the study was performed by using nanocurcumin in a dose of 15ml/kg b.w. against atorvastatin in a dose of 40 ml/kg b.w.</p> <p>Any volume can contain varying quantity (concentration) of drug. So how the authors drew the conclusion by using such mysterious concentration of drug in their study?</p> <p>Also the figures and their labeling are poor .</p> <p>The authors should describe the manuscript properly with accurate concentration of the drug and rewrite the manuscript in according to the uniform format and style.</p>	
Minor REVISION comments		
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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