

Review Form 1.7

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_101059
Title of the Manuscript:	Possible ameliorative and preventive effect of leaf extract of <i>Andrographis paniculata</i> on atherosclerosis: an experience with isoproterenol induced wistar rats.
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:

(<https://www.journaljocamr.com/index.php/JOCAMR/editorial-policy>)

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? yes (Please write few sentences on this manuscript) Is the title of the article suitable? yes (If not please suggest an alternative title) Is the abstract of the article comprehensive? Yes but its better to be more informative rather than descriptive. Are subsections and structure of the manuscript appropriate? to some extent. The result section must be revised. Do you think the manuscript is scientifically correct? to some extent. The result section must be revised. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. to some extent <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Materials and methods:</p> <ul style="list-style-type: none"> The research should mention the ethical code regarding the use of animal models. The reason for air-drying the leaves under shade for 21 days should be explained. Explanation is needed for choosing the specific solvent system of ethanol and water (7:3) for extraction. More details about the maceration process, including temperature and agitation, should be provided. Clarify if the crude ethanol extract was obtained directly after filtration or if further evaporation was required. Specify the gender of the Wistar albino rats used in the study. Provide information about how the animals were housed, including temperature, humidity, and lighting conditions. Clarify if the three divided doses of the hydro-ethanolic leaf extract (100, 200, and 400 mg/kg) were administered separately or concurrently. Justify the selection of Atorvastatin as the reference drug and explain the use of distilled water as the vehicle control. Specify the route of administration for the extract and drugs (e.g., oral, intraperitoneal). Clarify the frequency and timing of extract/drug administration in relation to the isoproterenol injections. Include information on the volume of blood collected from each animal. Provide the specific assay kits used for measuring LDL-C, HDL-C, triglycerides, and total cholesterol levels. Mention any modifications made to the manufacturer's instructions, if applicable. <p>Results:</p> <ul style="list-style-type: none"> The orientation of the arrows linking steps of plant material preparation should be corrected. Clarify the reference point and/or the identity of the lower-case letters on the figures' error bars. Consider including an ANOVA table for the multiple groups in the result section. Specify whether the mean \pm S.D values represent triplicate determinations within each group or the mean and standard deviation of each group's measurements. Provide more context and interpretation of the observed effects when discussing the results, including their alignment with previous studies or theoretical mechanisms. Correct the last sentence of the "Results" section to accurately convey the significance level. 	

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	Discussion: <ul style="list-style-type: none">• Include a brief summary of the key findings before discussing each specific result to help readers understand the main outcomes at a glance.• Support the statements made in the discussion with more citations to strengthen the scientific basis.• Clarify the source of the flavonoid mentioned in relation to LDL clearance and provide supporting evidence if it is present in <i>Andrographis paniculata</i>.• Explain in more detail how LCAT activity relates to the observed increase in HDL levels and elaborate on its significance in the context of atherosclerosis.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?		
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>	

Reviewer Details:

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