

Review Form 3

Journal Name:	Asian Journal of Cardiology Research
Manuscript Number:	Ms_AJCR_130051
Title of the Manuscript:	Effects of Dichlorvos Oral Treatment on Cardio protective and Atherogenic Indices of New Zealand White Rabbits.
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the toxicological impact of chronic dichlorvos exposure on cardiovascular health. Given the widespread use of this organophosphate pesticide, the study highlights essential public health implications by illustrating potential cardiovascular risks associated with its prolonged exposure. The findings contribute to toxicological knowledge, offering a foundation for future research on environmental toxins and their metabolic consequences.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is mostly appropriate but could be more focused and specific. Suggested title: "Chronic Oral Exposure to Dichlorvos and Its Impact on Cardioprotective and Atherogenic Indices in New Zealand White Rabbits"	

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<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>You have to rewrite your abstract correctly. Some abbreviations were not previously defined in the abstract.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>I read through the background of the study and did not find significant citations (Only Arthur et al., 2017) on previous toxicity studies on DDVP. Please note that numerous studies have assessed the toxicity of DDVP on different organs. Consider citing them, especially studies that must have used a similar brand of DDVP you used in your study. Examples are the following.</p> <p>The toxic effect on hematological parameters: Ige et al. (2021) doi:10.4314/jasem.v25i3.27</p> <p>Toxic effect on liver: Ige et al. (2024) doi: 10.9734/ajmah/2024/v22i81067</p> <p>Toxic effect on kidney: Ojo et al. (2014) doi: 10.13040/IJPSR.0975-8232.IJP1(7).429-37</p> <p>Secondly, the research gap in your study is not clear enough. In your methodology, you need to explain your animal grouping clearly. You did not cite any study on the LD50 of ddvp and how you decided on your dosage. I observed you used a similar dose as found in Ige et al. (2021). You may consider citing the study. You have a lot to do in your discussion section. There is a weak synthesis of your data, and the findings are not well compared with previous studies. Did you find 10% of LD50 you used to produce similar effects in other studies on the heart, liver, blood, etc? Consider comparing your study findings with some of the references I suggested above.</p> <p>Finally, from the results obtained, dichlorvos induced morphological damage and increased lipid profiles and atherogenic indices, with a decrease in the antiathrogenic index (AAI). How did you establish dichlorvos caused morphological damages in your results? There were no morphological findings presented in your study.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<ol style="list-style-type: none"> 1. Toxic effect on the liver: Ige et al. (2024) DOI: 10.9734/ajmah/2024/v22i81067 2. Toxic effect on hematological parameters: Ige et al. (2021) DOI: https://dx.doi.org/10.4314/jasem.v25i3.27 3. Toxic effect on kidney: Ojo et al. (2014) doi: 10.13040/IJPSR.0975-8232.IJP1(7).429-37 	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>You need to highlight these studies and other similar studies that assessed toxicological effect of ddvp on various internal organs.</p>	

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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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