

Review Form 3

Journal Name:	International Journal of Research and Reports in Hematology
Manuscript Number:	Ms_IJR2H_130038
Title of the Manuscript:	Toxicological Effects of Chronic Inhalation Exposure of 2-2 dichlorovinyl dimethyl phosphate on Haematological indices of New Zealand white Rabbits.
Type of the Article	Original Research Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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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</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.		The study was carried out using rabbits in order to extrapolate the effects in humans. It was observed that subtle exposure to this chemical overtime could result in haematological effects such as bone marrow depression and alteration in other blood indices.
Is the title of the article suitable? (If not please suggest an alternative title)		Toxicological Effects of Chronic Exposure by inhalation of 2-2 dichlorovinyl dimethyl phosphate on Haematological indices of New Zealand white Rabbits.
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.	Excellent abstract	Excellent abstract
Is the manuscript scientifically, correct? Please write here.	yes	Yes
Are the references sufficient and recent? If you have suggestions of additional references, please		Yes the references are recent and sufficient
Is the language/English quality of the article suitable for scholarly communications?	No improve grammatically error.	Thanks, I have gone through them and ensured the corrections
Optional/General comments	1 What were the long-term toxicological effects of dichlorvos exposure (10% LD50 dose) on the haematological indices of male New Zealand white rabbits over 30, 60, and 90 days? 2 What is the impact of dichlorvos (2,2-dichlorovinyl dimethyl phosphate) exposure on the haematological parameters of New Zealand white rabbits, given its widespread use and associated health risks? 3 What are the effects of chronic inhalation exposure to 10% of the LD50 dose of dichlorvos on the haematological parameters of New Zealand white rabbits over periods of 30, 60, and 90 days? 4 How does chronic exposure to dichlorvos influence haematological indices, including red and white blood cell parameters, platelet count, and indicators of anaemia, in New Zealand white rabbits, and what mechanisms are involved in these changes?	1. Dichlorvos exposure affected the haematopoietic system, hindering key enzymes that are involved in haeme synthesis pathway (aminolevulinic acid dehydratase). 2. Leading to suppression and damage which contributed to reduced life span of blood cells with increased fragility of cell membrane. The present result corroborates with the findings of Holy <i>et al.</i> (2015); Kanu <i>et al.</i> (2016).

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	No