



SDI Review Form 1.6

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| Journal Name: | Asian Journal of Biology |
| Manuscript Number: | Ms_AJOB_60533 |
| Title of the Manuscript: | HAEMATOLOGICAL AND HISTOPATHOLOGICAL EFFECTS OF ARTEMISININ-BASED COMBINATION THERAPY IN HEALTHY MICE. |
| 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/journal/10/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) |
|-------------------------------------|---|--|
| Compulsory REVISION comments | no | |
| Minor REVISION comments | <p>Introduction :</p> <p>Artemisinin is considered as a perfect replacement for chloroquine because it is a potent and rapidly acting blood schizonticide, eliciting shorter parasite clearance time and rapid symptomatic response than chloroquine and other antimalarial drugs. [5].</p> <p>Take off the point after drugs</p> <p>Despite its efficacy, artemisinin is not soluble in water or oil; it has poor bioavailability, and a short elimination half-life in vivo (~2.5 h),and a high recrudescence rate of infection [6][7].</p> <p>Add and in these sentence</p> <p>ACT is a combination of rapidly acting artemisinin derivatives with a longer-acting partner drug- lumefantrine, amodiaquine, mefloquine, piperazine and sulphadoxine/pyrimethamine [1]. The artemisinin component rapidly clears parasites from the blood; it is also active against the sexual stages of parasite [1]. The partner drug clears the remaining parasite and provides protection against development of resistance to the artemisinin derivatives [1].</p> <p>Put [1] in the end and don t repeat it 3 times</p> <p>2.3 Experimental Animals Adult albino mice of 8 weeks old with average weight between 23.5 ± 5.7g were used for this study. The animals were procured from the animal house of the Faculty of Veterinary Medicine, University of Nigeria, Nsukka.</p> <p>Please mention that NO studies or experimentation done before on these mice</p> <p>Add real PHOTOS</p> <p>2.14 Histopathological Analysis</p> <p>What is the Size, dimension of the tissue block collected from liver and kidney and photos ?</p> <p>Table 1 Effects of Artesunate/amodiaquine and dihydroartemisinin/piperazine on hematological parameters of mice.</p> <p>Add the group names A B C.. in the table 1</p> <p>Discussion: is short compared to results</p> <p>References : Please ADD MORE RECENT references</p> | |



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| Optional/General comments | | |
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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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