SDI Review Form 1.6

Journal Name:	**International Journal of TROPICAL DISEASE & Health**
Manuscript Number:	**2014_IJTDH_14660**
Title of the Manuscript:	**ANTI PLASMODIAL ACTIVITY OF BEE STING IN *PLASMODIUM BERGHEI* INFECTED MICE**
Type of the 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.
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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	Line 6. *P. berghei* infected mice Line 7. Sixteen albino mice were.... Line 8 *P. berghei* strain and divided into four groups each consisted of four animals. Group 1 was.... Line 10 group III had suppressive treatment and group IV was administered curative treatment. Animals in group V were not infected nor treated. The thin blood..... Line 14. Suppressive and curative groups show longer... Line 17. experimental groups, whereas... Line 18. group shows significant increase Line 25. Antiplasmodial, bee sting, *P.berghei*, Mice Line 31. Cause of morbidity and mortality in tropical.... Line 32/33. Antimalaria drugs result in the death of millions of .... Line 34. Medicine have been used for treatment of malaria and they are... Line 35. Quinine derivatives. They are..... Line 37/38. Such as herbal remedy which are... Line 43. Bee sting is obtained from the tip of the abdomen of honey bee of the class insect. It is believes that the venom releases by bee.... Line 45. The bee dies Line 46. Stung and released it's .... This is due to... Line 48 and it acts as... Line 53 antimalaria activities... Line 56 MATERIALS AND METHODS Line 60. and maintained under... Line 63 (NIPRD) Idu, Abuja,	All comments are noted and corrected

	Line 65. Dam, Minna (not Dam,Minna without a gap) Line 66 honey and fruits Line 68. The groups were labelled as;.... Line 70. And group 4 (not group4) Note. Animal grouping does not correspond with that in the abstract. 20 mice were divided into 5 groups each consisted of 4 mice. Please include the fifth group that is the uninfected untreated group. Line 72. A donor mouse which had been infected with *Plasmodium berghei* was anaesthetized and the blood... Note. What was the percentage parasitaemia of the donor mice? How many parasites were contained in 0.2 ml? Please make it clear for readers. Note . Please know that thick smear is not use for parasitaemia counting. Kindly review this aspect and state the right thing. Line 82. The experimental mice were treate as follow:... Line 84. Please indicate the date of commencement of treatment with chloroquine and how was it administered? Line 85/86. Please indicate the date of commencement of treatment with bee sting and how was it administered? How safe is the administration of this bee sting without poisoning the animal? Treatment before infection is prophylactic test while infection and treatment on the same day is suppressive test. Please give detail of the method used for each group. Lines 90 and 91 should be deleted Line 93. Group 1 was the.....	

	Line 94. Group 2 was the..... Line 97. Microscopically at magnification of x100 to determine..... Note. Please indicate the date and duration blood from the tail of each mouse was collected for staining parasites counting. Lines 103 to 109 should be deleted Line 112. This period were recorded. The blood..... Note. Please indicate how you calculated the mean survival time for readers. Line 118. Dacie and Lewis 1991 is not in reference list. Line 148. Figure 1. Changes in parasitaemia of mice infected with *P. berghei* on day 0, treated on day 3 to day.... There should be detailed description of parasitaemia on daily basis. Please present the table showing the percentage chemosuppression of the curative as in table 1. The graphical result showed that bee sting is more effective than chloroquine. How true is it? Line 155. Table 1. *In vivo* antiplasmodial Activity of Honey Bee Sting Against *P. berghei* There should be a figure or table showing Changes in parasitaemia of mice infected with *P. berghei* on day 0, treated on same day (day 0 – ....) Line 166. Survival days of 17 and 15 days respectively (20 days not shown on table) Line 175. Indicate the values of the parameters in brackets. Line 176. Shows significant ($p<0.05$) increase Line 178. Statement is contradicts the values shown in	

	table 3. RBC in suppressive group is 6.50 which is lower than 6.90 . Please check this sentence Table 3 has values with superscripts a,b,c. Please indicate their meaning. Also find appropriate abbreviation for the groups. ICT not an abbreviation for curative please Line 197. Reported as phospholipase Line 199. The significant decrease in ..... Line 200 negative control reported in this study could be attributed to the potency of bee sting against *Plasmodium berghei*. Although, the initial..... Line 205. The negative control group further showed the efficacy of bee sting as an antimalaria agent Line 207 haematological parameters like anaemia Lines 208 - 210. Delete the sentence " One of the major.... (Kremsner et al., 2000)". Line 215. Administration of bee sting can not increase PCV. Please check this sentence. Lines 219-221. Delete the sentence " Therefore, from the result.....differ from chloroquine." This is a repeat of statement in the conclusion. Moreso the mechanism of action was not tested in this study. Authors should compare the report of other researchers with this result in discussion. Line 226 this study indicates that bee.... Line237 *in vivo* antimalarial and *in vitro* cytotoxic.... Line 240 separate the words on the Line 241 separate the words in human Line 250 (2002). Bee Line 251 Journal of Biological... Line 252 separate 43(1): 40839 - 40843 Line 256 italicize *Faidherbia albida* in rats. *Afr. J. Biotech*. Line 258 separate of honey Line 259 separate presence of	

	Line 260 separate Food Microbiology Line 263. 1147 – 1155. Note:Authors should strictly follow the citation of reference recommended by the journal.	
Minor REVISION comments		
Optional/General comments		