



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_35021
Title of the Manuscript:	COMBINATION THERAPY OF METHANOLIC LEAF EXTRACTS OF <i>Anogeissus leiocarpus</i> AND <i>Terminalia avicennioides</i> ON MALARIA PARASITE COUNT AND ITS EFFECT OF BIOCHEMICAL PARAMETERS IN MICE INFECTED WITH <i>Plasmodium berghei</i>
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/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	Results, paragraph starting with "Table 1 shows the effect of combined methanolic leaf extracts...". The unit of measure to express parasitaemia is not described in the text (same remark for Table 1). Please explain what MP stands for in the table legend. It may be mistaken for "mean percentage" which is in Table 2 legend. Tables 1 and 2 present the same results. One of the two tables should be eliminated (or the two tables can be combined into a single table). Likewise, in the Results section, one of the two paragraphs can be eliminated since they describe the same results expressed in a different manner (either the one starting with the sentence "Table 1 shows the effect of combined methanolic leaf extracts..." or the other starting with the sentence "Table 2 shows the mean percentages increase and suppression..."). Figure 1. What do the numbers in the y-axis (0 to 8) represent? What is the unit of measure? The y-axis legend should be incorporated in the figure. This figure needs a legend to explain what the bars represent (SEM). Table 3 does not provide the unit of measure. Discussion. Please justify why the authors did not include haematological effects of the leaf extracts.	This has been indicated under materials and methods sub section 2.5. MP stands for malaria parasite Table 2 has been deleted This has been corrected accordingly This has been indicated in the legend under the table. This study is still on. The results presented here are part of the study.



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Minor REVISION comments	Introduction, "It is estimated that malaria IS responsible... mostly IN African children..." Introduction, "The remedy against malaria infection has been sought for over a decade..." Antimalarial drug treatment has been sought since several centuries (quinine, methylene blue in the late 19th century, and others). Introduction, "Although diagnosis...method, this laboratory tool is commonly used in research laboratories..." Introduction, "The discovery of chloroquine... before the report of drug resistance was confirmed." Introduction, "The introduction of ACT...its derivativeS and their drug partners" Introduction, "In addition, these drugs are expensive..." Yes, but in many countries, ACTs are provided either free of charge by the governments or at a subsidized price (usually with grants from the Global Fund). Introduction, "Historically, many drugs...quinine and artemisinin (9)" A more appropriate reference should be cited here. Introduction, "It has been reported that malaria infection could BE responsible...sometimes it affectS..." Introduction, "It has been reported that...other ectopic organs..." The term "ectopic organs" is not used correctly in the text. Introduction, "SGOT and SGPT" are old terms. Please	The correction of IS has been effected The remedy mentioned in our write up has summarised the 'treatment of malaria drugs' The correction has been effected The correction has been effected The correction has been effected I am living in one of the malaria endemic areas and I know what is happening in most malaria endemic areas as regards to the purchasing of artemether-lumenfatrine. The correction has been effected The correction has been effected The correction has been effected The correction has been effected
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	use the more modern terms: AST (for SGOT) and ALT (for SGPT). Also in section 2.7.6 in elsewhere. Methods, 2.4. inoculum 1×10^7 (7 in superscript) Methods, what is “combisunate”? Please provide the international nonproprietary name (international common denomination), which is artemether-lumefantrine. “Combisunate” is available in only a few countries (Nigeria, Benin, Democratic Republic of Congo). Most readers do not know what it is. Methods, 2.4. Please indicate clearly that “combisunate” and leaf extracts were administered per os. Methods, 2.4 “Blood was collected into EDTA... by HEART puncture” We can also say cardiac puncture. Methods, 2.7. The numbering is confusing. Under 2.7.1 “Determination of lipid profile” should include 2.7.2 to 2.7.5, which should be, strictly speaking, 2.7.1.1 to 2.7.1.4, followed by 2.7.2 “Determination of creatinine, ALT, and AST.” Since each sub-section (2.7.2 to 2.7.6) has only one sentence (two sentences for 2.7.6), the authors can eliminate the sub-section titles and present one paragraph under 2.7 “Biochemical assays.” Results. Please correct the syntax of the statement “Though the HDL level was higher in the group treated with 100 mg/kg body weight than...not statistically different.” Results, “The level of SGOT and SGPT WAS also significantly higher...”	The correction has been effected The correction has been effected The correction has been effected The correction has been effected The correction has been effected The correction has been effected The correction has been effected The correction has been effected
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	Table 4. CreatiNINE Discussion, "my group." Unless this is a single author paper, it should be written as follows: "Our group..." Discussion, "The result showed that there was a DRASTIC suppression..." Discussion, "The increase in parasite inhibition rate in the group treated with 200 mg/kg body weight...contained higher secondary metabolites..." Please provide a reference citation supporting this claim. Ref 4. The latest World Malaria Report 2016 should be cited. Same comment for Ref 5 and Ref 7.	The correction has been effected The correction has been effected The correction has been effected This has been effected This has been where it is necessary
<u>Optional/General</u> comments	The authors assessed the antimalarial activity and biochemical effects of leaf extracts combined from two plants, Anogeissus leiocarpus and Terminalia avicennioide, using the rodent malaria model (Plasmodium berghei). The plant specimens were properly identified and deposited, and extraction using methanol was performed according to standard procedure. Experiments seem to have been performed with rigor, including controls.	