

Review Form 1.6

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| Journal Name: | Journal of Advances in Microbiology |
| Manuscript Number: | Ms_JAMB_77853 |
| Title of the Manuscript: | DETERMINATION OF DENGUE VIRUS IGM SEROPREVALENCE, MALARIA POSITIVITY AND SOME HAEMATOLOGICAL PARAMETERS OF HIV INFECTED INDIVIDUALS IN AWKA, NIGERIA. |
| 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://peerreviewcentral.com/page/manuscript-withdrawal-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) |
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| Compulsory REVISION comments | <p>Title Authors should modify the title as followed: Determination Of Dengue Virus IGM Seroprevalence, Malaria Parasitaemia And Some Haematological Parameters Of HIV Infected Individuals In Awka, Nigeria.</p> <p>Introduction Kindly mentioned the burden of malaria and HIV in the South east region of Nigeria. Your introduction has 678 words of which 595 has been assigned to dengue fever and virus only. You did not mention malaria and HIV particularly in the South east region of Nigeria. The authors should state the gap in the study towards the end of your introduction The significancy of the research need to be added at the end of Introduction The Authors should note that in the scientific literature there are currently a lot of articles on Dengue. Of particular interest is this paper entitled " DENGUE VIRUS is Hyperendemic in Nigeria from 2009 to 2020: A Contemporary Systematic Review "</p> | <p>Well noted. Correction effected.</p> <p>Mentioned</p> <p>Gap has been stated.</p> <p>We used the ones we chose and could access.</p> |
| Minor REVISION comments | <p>Abstract: Pease give the percentage and remove the number Where is proof of this statement' This study suggests that Dengue maybe the emerging cause of fever of unknown origin among populations ' Authors should check the grammatical errors of this statement ' been published thus far '</p> <p>Study Area What is populace? Is it difference from the word 'population?'</p> <p>Study Population 'seeking medical assistance' I suggest ' seeking medical care'</p> <p>Sampling Technique and Sample Size Determination Please clearly define the sampling technique. Was it, by simple random technique or purposely sampling technique? Kindly justify the wide difference between the test and the control group. The test group is nearly two times the control group.</p> <p>Research Design Change the title ' Research Design ' to 'study design'</p> <p>Ethical Approval Change 'Ethical Approval' to ' Ethical Considerations '. ethical issues in research are not limited to approval.</p> <p><u>2.8.3 Estimation of full blood count (FBC) and Principles of haemoglobin measurement</u> paragraph should be discarded.</p> <p>Haematological parameters were determined using heamatology auto analyser (PE-6800 fully auto heamatology analyser procan) and following the manufacturer's instructions.</p> | <p>Well taken and corrected.</p> <p>We don't need a proof for this statement. We were only making a suggestion from the study.</p> <p>Populace is the same as population and could be used interchangeably.</p> <p>Correction effected.</p> <p>Correction effected. We were just interested in the test group. We only added few non HIV patients as a control. The cost of running the experiment is quite high so we concentrated on the test group.</p> |

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| | <p>Statistical analysis Using t-test table Or student t- test This section is too scanty and need clarification.</p> <p>Results The Prevalence of dengue virus seropositivity study participants based on their demographic characteristics or the based on Enzyme-linked immunosorbent assay (ELISA) techniques,</p> <p>The prevalence of malaria among the study participants based on their demographic characteristics is or based on microscopy</p> <p>Please do not discuss results in the results section</p> <p>Table 8: Distribution of some risk factors associated with dengue infection and malaria co-infection among the participants. Rephrase the title of this table 8. Suggest title is' Demographic factors associated with dengue infection and malaria co-infection among the participants '</p> <p>Discussion Kindly update the scientific literature.</p> <p>Reference The authors should properly quote the reference in the text. Citations in the text are inconsistent.</p> | |
| Optional/General comments | <p>General comments</p> <p>I read with interest the article entitled “Determination Of Dengue Virus Igm Seroprevalence, Malaria Positivity And Some Haematological Parameters Of HIV Infected Individuals In Awka, Nigeria” attempting to determine the prevalence of dengue fever, malaria and co-infection dengue fever and malaria and compare these findings between HIV positive and HIV negative groups. The authors mentioned that the dengue virus has been considered an important flavivirus that exhibits a protective role against HIV by transiently inhibiting its replication. The authors try to do same in case of dengue fever malaria co-infection in HIV positive patients.</p> <p>The Authors should remember the history of Julius Wagner-Jauregg (1927) for his discovery of the therapeutic value of malaria inoculation (hyperpyrexia) in the treatment of other diseases. Wagner hypothesized the curative role of fever on the basis of the observation that terminal manifestations of progressive paralysis due to syphilis were found very rarely in countries where malaria was endemic (PMID 1619744). Similar phenomenon could occur in dengue fever malaria co-infection</p> | All meaningful corrections have been effected. |

PART 2:

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| | 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? | (If yes, Kindly please write down the ethical issues here in details) | |