

Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_76979
Title of the Manuscript:	Transmitted HIV-1 drug-resistance mutations among newly diagnosed Patients of the North West Region of Cameroon
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)
Compulsory REVISION comments	<p>Title: Transmitted HIV-1 drug-resistance mutations among newly diagnosed Patients of the North West Region of Cameroon to Transmission of HIV-1 drug-resistant mutations among newly diagnosed Patients of the North Western Region of Cameroon</p> <p>Abstract:</p> <p>Background: first sentence with “reverse transcriptase inhibitors (RTIs)”. I think we should be specific and say NTRIs (nucleoside reverse transcriptase inhibitors). There 2 RTIs (NRTIs and NNRTIs). The backbone of most ARTs are 2NRTIs and 1 other drug from the remaining classes.</p> <p>Introduction:</p> <p>Second sentence: Cameroon like most of the ...</p> <p>The sentence with the first-line drugs consists of two nucleoside reverse transcriptase inhibitors (NRTI) plus one non-nucleoside reverse transcriptase inhibitor (NNRTI)...I think the new first line consists of INSTI drug and 2 NNRTIs. (TLD) -tenofovir, lamivudine and dolutegravir?? I think the sentence is a bit outdated.</p> <p>ART was introduced in Cameroon in 2002 where patients had to pay the US \$23–\$100 for their drugs monthly. Please cite this sentence.</p> <p>As such ART has also been extensively used among HIV pregnant and lactating women and individuals at risk of contracting HIV infection. I think we should omit the last part of individuals at risk. This category often takes Prep.</p> <p>With increased treatment coverage, HIV drug resistance (HIVDR) and onward transmission of drug resistance mutations (DRMs) are expected to increase. Cite this sentence material and methods</p> <p>Study Population</p> <p>A total of one hundred individuals were consented and enrolled into this study from HIV comprehensive clinics in the northern region of Cameroun. Please add the number of individuals from whom data was collected (81).</p> <p>CD4⁺ T cell counts</p> <p>Correct the spelling of manufacturers.</p> <p>DISCUSSION</p> <p>This section needs significant revision. The first paragraph should recapitulate or summarize the results. the subsequent paragraphs should provide an interpretation of the results. A significant rewrite of the discussion section is required</p> <p>The majority of participants (59.2%; 48/81) had low rate of CD4 count (<200 cells/ μL) and belonged to WHO stage 1 and 2 (60.5%; 49/81) can be explain by the fact that more than half of the participants were already at an advanced stage of the epidemic according to WHO classification. Are stages 1 & 2 the advanced stages?</p>	
Minor REVISION comments	<p>Choose Cameroon or Cameroun, you use them interchangeably in the text. One would think its two different things.</p> <p>I would recommend using formal English language editing services for this manuscript.</p> <p>I wish you could shade light on the results where you did a subgroup analysis between TRD and the who stage. Then explain your findings in the discussion. E.g. 25% for stage 4.</p> <p>What are the reasons for delayed testing or start of ART until one is in stage 4?</p>	

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Optional/General comments	The manuscript describes a technically sound piece of scientific research. The topic is of keen interest to the field & the statistical analysis has been performed appropriately Some statements need to be cited like ART was introduced in Cameroon in 2002 where patients had to pay the US \$23–\$100 for their drugs monthly. – www.msf.org , www.jstor.org , Rougemont <i>et al</i> With increased treatment coverage, HIV drug resistance (HIVDR) and onward transmission of drug resistance mutations (DRMs) are expected to increase. – www.ncbi.nlm.nih.gov	
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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:

Name:	Violet Dismas Kajogoo
Department, University & Country	Mafia District Hospital, Tanzania