

Review Form 3

Journal Name:	Journal of Complementary and Alternative Medical Research
Manuscript Number:	Ms_JOCAMR_127642
Title of the Manuscript:	Oral Biopharmaceutics and In Vitro Pharmacokinetics of Commercially Available Pharmaceutical Formulations of Paracetamol: Implications in Paediatric Medicine
Type of the Article	

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The manuscript is important regarding dose manipulation of paracetamol & its effect concerning efficacy of drug & patient safety. The author used the in vitro dialysis membrane dissolution method to compare the efficacy of different commercial Nigerian paracetamol dosage forms. He proved that adult-dose-crushed paracetamol tablet reconstituted in water does not elicit better therapeutic outcome to the paediatric syrup dosage form & it is better to use paediatric syrup formula designed for children.	
Is the title of the article suitable? (If not please suggest an alternative title)	I recommend that the title is changed to "In Vitro Pharmacokinetics of Commercially Available Pharmaceutical Formulations of Paracetamol in Nigeria: Implications in Paediatric Medicine"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive, but I have some notices: 1- It is better to change "dispersible tablets" with "adult-dose-crushed paracetamol tablet" as dispersible tablets are a different dosage form which disperse in water to give dispersion without crushing. 2- The author did not follow the conditions of USP methods as the method used dissolution apparatus & he used beaker, also the method used 900 ml & he used 500 ml volume. So, it is better to remove "The sink condition followed the Conventional USP dissolution method" 3- It is better to Add Dissolution curve for each dosage in each dissolution medium was drawn & AUC were calculated. In replacement of "At predetermined time intervals, 5 ml of the dissolution medium was drawn out from the system, diluted appropriately, while a fresh volume of 5 ml of dissolution medium was introduced into the dissolution vessel after each withdrawal."	
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically correct	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient & recent	
Is the language/English quality of the article suitable for scholarly communications?	Yes, English quality of the article is suitable for scholarly communications	
<u>Optional/General</u> comments	1-I recommend adding tables describing the pharmaceutical quality of the different products concerning appearance, viscosity of syrup & content uniformity of the tablets as viscosity off syrups affects the dissolution as well as content uniformity of tablets affects the dissolution 2-It is better to add some more details about dialysis method & why the author chooses it as method of choice. 2- It is better to add the UV spectrum of Paracetamol. 3-In figure 2, 3 & 4 one of dissolution curves is missing 4-In statistical analysis, I recommend writing types of statistical tests used in details & levels of significance 5-I recommend to add ANOVA table it will give more details than figure 7	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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