



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Advances in Medical and Pharmaceutical Sciences</a>
Manuscript Number:	Ms_JAMPS_49734
Title of the Manuscript:	Effects of melatonin on metabolic abnormalities in HIV patients treated with antiretroviral drugs
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. 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)
<b>Compulsory</b> REVISION comments	<p>The author should know that the precise statistical preparation of the RCT must taking account of the selection criteria and the power needed to obtain valuable results this was not the case here</p> <p>A sufficient sample size is fundamental to detect a reliable statistical difference among the study groups. The sample size needed to reach an adequate power in a study is inversely proportional to the intervention effect squared how was this done?</p> <p><b>It is important to note that an insufficient sample size is a frequent problematic issue in several published RCTs.</b></p> <p><b>A key aspect of RCTs is the method of randomization. Random allocation of patients in the study or in the control group assures that all participants' known and unknown characteristics are similar and balanced between groups at the beginning of RCT</b></p> <p><b>NOT A GOOD RESEARCH STUDY but the inspiration was good. The author need to know more about the following</b></p> <ol style="list-style-type: none"> <li><b>1) Good food balance diet and life modification will perform better than the melatonin avoiding excessive alcohol that is what we do over here.</b></li> <li><b>2) HIV drugs and some of the side effect the drug ZIDOVUDINE</b> should not be used as the first line drug. If Lesotho is almost at the point of doing away with the drug Brazil should look critical into this?</li> <li><b>3) The selected participant was their alcoholic habit studies</b></li> <li><b>4) TDF/3TC is use in the management of hepatitis</b></li> <li><b>5) Was any of this patient known diabetic or on medication for medication</b></li> <li><b>6) The natural occurring Melatonin in our system is it a disadvantage or an Advantage?</b></li> </ol> <p><b>7) How the sample size calculated or the author was just used the number of available participant present at the institution?</b></p>	<p>With regard to the sample there is the difficulty of the disease that is stigmatizing and of difficult contact with the patients. Therefore a convenience sample was performed.</p> <p>Certainly diet, exercise, use of substances and drugs are all important factors that were evaluated but it would not fit in this study to do this analysis. This is an initial study that suggests an effect that should be done in other populations with greater approaches to the effects of melatonin.</p> <p>There was no calculation of the sample. A convenience sample was used</p>
<b>Minor</b> REVISION comments	<p>The author need to know what Literature review / Introduction is all about in research study (A literature review is "a critical summary and assessment of the range of existing materials dealing with knowledge and understanding in a given field you are dealing with ) Melatonin and HIV drugs and the Virus ) Proper study was not done.</p> <p>Does the author think that socio economic condition of the participant play any part in the outcome of the study?</p>	<p>There are no studies addressing melatonin and HIV in this way we can not yet draw many conclusions. More studies are needed on this topic.</p> <p>I think that the socioeconomic condition could influence but this evaluation was not</p>
<b>Optional/General</b> comments	<p>Most of the fact under the discussion should be moved to literature review section</p>	



**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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	