



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Neuropsychiatric Disease Journal</a>
Manuscript Number:	Ms_INDJ_42792
Title of the Manuscript:	Weight gain and obesity among out-patients with schizophrenia on antipsychotic medications in Uyo, South-South 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://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>In this paper the authors have performed a cross-sectional study to determine the prevalence of overweight and obesity in 106 subjects diagnosed with schizophrenia on antipsychotic medications and associated risk factors, in a Nigeria population sample. In general, this field is of high scientific interest, given the fact that weight gain under antipsychotic treatment is complex and heterogeneous. However, there are several concerns that should be addressed:</p> <ol style="list-style-type: none"> <li>1) The introduction is a little repetitive (for example, first and third paragraph). The fourth paragraph should be more explored. The last sentence in introduction should include that the study was designed to determine the prevalence of overweight and obesity in schizophrenia patients under antipsychotic treatment.</li> <li>2) Material and methods section is not well described. One of the most important description is missing. The authors should provide a description about the obtention of patient's weight: no information about how they collected the weight data and which criteria was used to categorize patients as normal or low weight, overweight and obesity. They mentioned this classification only in the Results.</li> <li>3) The results show several missing information. Tables were not cited in the text. Table 2 should be placed right before "Patient characteristics and body mass index". Maybe the inclusion of a new column with total values will help in the interpretation of the data.</li> <li>4) In 3.1, lines 112 and 116, 27.5% of subjects were on conventional antipsychotics and 40.5% of the subjects were on atypical antipsychotics. What about the remaining 32%?</li> <li>5) There is a problem in interpretation of data from <math>\chi^2</math> tests. The authors conclude that when there is statistical difference, this difference is in overweight and obesity. However, this is not the case in some results, since most analyses show two degrees of freedom. For example, in lines 165-167, the authors concluded that "The glycaemic status of subject in this study showed significant association with the degree of overweight and obesity (<math>P=.03</math>)". If you look at Table 2, only obesity show a higher frequency in hyperglycaemia patients (40% versus 14.8% in no hyperglycaemia patients). Overweight is in fact higher in no hyperglycaemia patients (67.9%) than in hyperglycaemia patients (44%). <b>The authors should revise all results and refine the analyses with more than two degrees of freedom to detect in which category the statistical difference really is.</b></li> <li>6) In "Patient characteristics and body mass index": "Relative to men, women were more likely to become overweight and obese following 155 antipsychotic use (<math>p=.03</math>)", however in Table 2 is <math>p=0.04</math>. "There was no association found between BMI values and age of participants, employment status, and class of antipsychotic medication", however no association was also detected with duration of illness and marital status (see Table 2).</li> <li>7) The authors affirm there was a correlation between period of antipsychotic use and weight gain (<math>r=0.23</math>, <math>P=.03</math>), but the authors did not mention anything else about that. It is 0.23 a good correlation?</li> <li>8) In Discussion, lines 212-214, the authors affirm that "Treatment with atypical antipsychotics had more remarkable impact on weight of participants than the conventional medications". In the way it is written, it seems that this conclusion is from their study; however, they did not observe that.</li> <li>9) The study has limitations that were not mentioned in the text.</li> <li>10) <b>There are several English mistakes throughout the text that difficult its understanding. Language should be revised throughout the text.</b></li> </ol>	<p>New paragraphs have been introduced to replace the repetitions of words and sentences.</p> <p>The description of the weight and height measurement has been materials and method section and the WHO classification criteria used to categorize patients.</p> <p>Tables are now cited in the result section. Oversight errors and mistakes in figures and percentages especially in table 2 are corrected</p> <p>Attention have been given to result interpretation and correct percentages inserted after a repeat of the statistical analysis of the data</p> <p>This has been corrected.</p> <p>The limitations of the study have been included. The text has also been Revised to correct notable mistakes and typographical errors</p>
<b>Minor</b> REVISION comments	-	
<b>Optional/General</b> comments	-	