

**Prolidase activity in adult bipolar disorder patient: a case - control study**Joya JD et al. ([joya.joysree@gmail.com](mailto:joya.joysree@gmail.com))**Mechanical editing**

<b>Editorial office comments (16-Mar-23)</b>	<b>Author's response (18-Mar-23)</b> Respond and reflect it in your manuscript. Mention line numbers.
<p>The following are the observations upon initial screening. Please revise the manuscript and submit it again with the necessary corrections.</p> <ol style="list-style-type: none"> <li>The affiliation of the authors needs to be revised. The authors only need to mention the name of their affiliated institution.</li> <li>The title needs to be written using a sentence case.</li> <li>Abstract needs to be revised using a structured format i.e. with subheadings Introduction, Methods, Results, and Conclusion.</li> <li>Provide subheadings in the Method section as per journal's rules.</li> <li>Author contribution needs to be prepared following the instructions of the checklist.</li> <li>The references do not include DOI numbers. The authors need to add them.</li> <li>Provide filled up the EQUATOR checklist.</li> <li>The result section and conclusion have different information regarding the findings of the study.</li> </ol>	<ol style="list-style-type: none"> <li>The authors' affiliations have been revised.</li> <li>Reformatted using a sentence case as recommended.</li> <li>The abstract has been revised using a structured format.</li> <li>Subheadings have been included in the Method section.</li> <li>Author contributions have been prepared according to the checklist instructions.</li> <li>DOI numbers have been added to the references as requested.</li> <li>Provided.</li> <li>Have carefully reviewed and ensured consistency between the result section and the conclusion regarding the findings of the study.</li> </ol>

<b>Reviewer's information</b>			
Date review assigned	30-Apr-23	Date review returned	2-May-23
Reviewer name	Dr Md. Maruf Haque Khan	Affiliation	BSMMU
Email	drmaruf38@bsmmu.edu.bd	ORCID	0000-0001-8014-9638
Do you have any conflict of interest with the author/s?	No	Do you wish to be disclosed to the author?	Yes

<b>Reviewer's comments (22-May-23)</b> [Please select "Yes" or "No"]		<b>Author's response (28-May-23)</b> [Please write a response if the reviewer's comment is "No". You must change the manuscript as per your response. Mention line numbers.]
1. Is the title appropriate?	Yes	
2. Is the research question or study objective clearly defined in measurable terms?	Yes	
3. Is the abstract accurate, balanced and complete?	Yes	
4. Is the study design appropriate to answer the research question or achieve objective?	Yes	
5. Are the Methods described sufficiently to allow others to repeat it?	Yes	
6. Are the operational definitions and ascertainment of key variables given adequately?	Yes	

7. Are the outcomes clearly defined?	Yes	
8. Are statistics used appropriately and described fully?	Yes	
9. Do the Results address the research question or objective clearly?	Yes	
10. Are the tables and figures clear and appropriate to address the objective or research question?	Yes	
11. Does the Discussion cover the main points of the paper?	Yes	
12. Are the strengths and limitations addressed?	No	Strengths and limitations are now added in discussion section.
13. Are the conclusions justified by the results	Yes	
14. Are the references up-to-date, and appropriate?	Yes	
15. Is the standard of written English acceptable for publication?	Yes	
16. <b>Descriptive comments</b> to the authors (Divide it into MAJOR and MINOR points).		Respond and reflect it in your manuscript. If you refute, justify your argument using references. Mention line numbers.
<b>MAJOR points</b> 1. In several locations (example: line 3, 70 etc.) you mention a cross sectional study. However according to the methodology, it seems a case control study. Please check and change where needed. 2. Line 108: Rewrite the result section according to the table and figures. 3. Need to re-write the discussion to avoid redundancy. The repetition of the results needs to be avoided.  <b>MINOR points</b> 1. Line 31: Please use the full form of YMRS. 2. Line 47, 49 and 59, add references. 3. Line 76: Delete the elaboration from this place. 4. Line 107: Use the term <b>Statistical significance</b> instead of significant. 5. Line 111: Write as, Mean $\pm$ standard deviation (SD) following your data presentation. 6. line 240 (Table 1): Insert the number of the participants (n=) of each sub group). 7. Tab 1: Where needed Write as, Mean $\pm$ SD. 8. Table 1: Use the <b>same</b> number of digits after the <b>decimal point</b> . 9. Table 1; Mention clearly about the values (Male/Female, Yes/No), are those number (n) or percentages (%)? 10. Line 124: It already mentioned in the methods and result section. No need to repeat again. Remove it. 11. Line 126-127: "The results of this study were discussed and compared with previously published relevant articles to verify the findings of this study" We can write like this in the methods		<b>MAJOR points</b> 1. This is a case-control study and revised in the main text. 2. Revised the sentence in line 108. 3. Revised the discussion section and reduced the repetition of the results.  <b>MINOR points</b> 1. YMRS stands for Young Mania Rating Scale. Revised. 2. Added. 3. Deleted. 4. Revised. 5. Revised. 6. Provided. 7. Table 1 corrected. 8. Revised. 9. done 10. Line 124: Removed. 11. Omitted.

section not in the discussion. Better to avoid this type of statement in the discussion.	
12. Table 1 (Line 240): Add the p-values of the variables in the table.	12. Given the <i>P</i> value.
13. Show the p-values in the Figures 1 and 2	13. Given.
<b>Reviewer's Recommendation</b>	Minor revision

<b>Editor's comments (22-May-23)</b>	<b>Author's response (28-May-23)</b> Please respond to all comments from the editor and reviewer(s). Indicate the line number(s) of the manuscript where the changes are done.
1. Need to change the title. It should be "Prolidase activity in adult bipolar disorder patient: a cross sectional study"	Changed the title as advised.
2. What is the number of cases? How did you calculate the sample size?	N=35, Sample size calculation for two sample mean test $n = \frac{(\sigma_1^2 + \sigma_2^2)(Z_{1-\frac{\alpha}{2}} + Z_{1-\beta})^2}{(\mu_1 - \mu_2)^2}$ Bernard Rosner, Fundamentals of Biostatistics (2015)
3. Line 79: What was age criteria: exact age? or something else?	Age was ≥18 years.
4. Line 105: You should use paired t-test, Wilcoxon and McNemar test.	Revised accordingly. Now it looks as below: "In case of normally distributed variables, the significant differences between the groups were estimated by t-tests. Mann-Whitney U test was done for skewed data. Correlation of serum prolidase with YMRS score was determined by Spearman rank correlation co-efficient test."
5. You have not cited any table and figures within text properly.	Now mentioned.
6. Line 111, 112, 127, 128 131 etc. (±SD): Please use uniform representation of mean and SD, Somewhere you write mean±SD and elsewhere mean (±SD).	Corrected accordingly.
7. Line162 (Therefore, sample may not be representative of the whole population of the country): Please mention you did not target for Bangladesh representation. Tell us of your sample representative patients going to tatram care in Bangladesh.	Corrected.
8. Line 163 ("Lack of measurement of proline level alongside prolidase): Please mention why proline level is important.	Mentioned. "Increased proline level indicate that prolidase activity is increased. Endogenous proline is provided by prolidase activity."
9. In conclusion, please do not repeat the results but provide the information generated.	Revised.
10. Format authors contribution as per our requirement	Formatted as per journal's rules.
11. Add P-value in Table 1. Since data is skewed and non-normal, please use Wilcoxon, McNemar test	<i>P</i> value added, used Wilcoxons test.
12. Combine figure 1 and 2 and use subfigure as Figure 1(a) and Figure 1(b). Change the figure reference in text as well.	Revised.
13. Use zero decimal points in Figure 3 (line 259)	Used as advised.
<b>Editor's Decision</b>	Major revision