

Review Form 3

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| Journal Name: | International Neuropsychiatric Disease Journal |
| Manuscript Number: | Ms_INDJ_130955 |
| Title of the Manuscript: | Management of Bipolar Affective Disorder: Drug Interactions and Toxicity |
| Type of the Article | Original Research Article |

PART 1: Comments

| | Reviewer’s comment | Author’s Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| 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 study confirms the toxic effects of lithium carbonate at various concentrations, reinforcing the need for regular serum lithium level monitoring and renal function assessment to prevent adverse effects. Highlights the narrow therapeutic index of lithium, emphasizing the importance of precision in dosing to minimize risks such as nephrotoxicity, thyroid dysfunction, and cardiac issues. Provides evidence-based recommendations for managing BAD, advocating for individualized treatment plans and proper medication adherence monitoring. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | The title does not explicitly mention lithium carbonate, the main drug investigated in the study.The use of the Osmotic Fragility Test is a key aspect but is not reflected in the title. Suggestion: Osmotic Fragility Test for Lithium Toxicity: Implications in Bipolar Disorder Management | |
| 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 aim of the study is well-stated—evaluating commonly prescribed medications for BAD, their drug interactions, and lithium toxicity.It successfully conveys the toxicity of lithium carbonate, showing significant hemolysis in the tested concentrations.The abstract stresses the need for lithium level monitoring and regular testing for safer treatment. However Lack of participant details, and instead of stating confirmed lithium toxicity at all concentrations, author add exact statistical results or a summary of key numerical findings. | |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is mostly scientifically accurate but has some inconsistencies, minor errors, and areas needing clarification. Data collection is mentioned as occurring from December 2023 to March 2022 (an impossible timeline).The Osmotic Fragility Test (OFT) was conducted on only three participants , which is too small for generalization.The manuscript uses “ lithiumemia ”, which is not a standard medical term .The study mentions a control group but does not clearly describe its selection criteria or handling .Minor typos such as “ tris study ” instead of “ this study ”. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | yes | |
| Is the language/English quality of the article suitable for scholarly communications? | No | |
| Optional/General comments | PLEASE SEE ATTACHMENT | |

Review Form 3

PART 2:

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| | 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? | (If yes, Kindly please write down the ethical issues here in details) | |

Reviewer Details:

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|----------------------------------|--------------------|
| Name: | S. Karthik |
| Department, University & Country | SRIHER (DU), India |