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| Journal Name: | [**International Neuropsychiatric Disease Journal**](https://journalindj.com/index.php/INDJ) |
| Manuscript Number: | **Ms\_INDJ\_134580** |
| Title of the Manuscript: | **MITOCHONDRIAL DYSFUNCTION IN CHLORPROMAZINE NEURODEGENERATION** |
| Type of the Article |  |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **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)* |
| **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.** | It is already a well known fact that ***CHLORPROMAZINE*** causes degeneration of neurons causing long term brain issues. In the manuscript: '***MITOCHONDRIAL DYSFUNCTION IN CHLORPROMAZINE NEURODEGENERATION***' , the research focus is on investigating the harmful effects of the drug CHLORPROMAZINE on the brain cells. The manuscript mainly investigates various pathways which gives a wealth of information on how the drug affects different pathways that may be connected in different ways that lead to neurodegeneration. This understanding is very useful for the scientific  community as it helps in finding ways to make these treatments safer in the future. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The article’s title is great. However, I would suggest a slight change and rename it towards ‘***MITOCHONDRIAL DYSFUNCTION IN CHLORPROMAZINE (INDUCED) NEURODEGENERATION.***  The rationale behind this is based on the main focus of the paper which is ‘*the role of mitochondrial dysfunction in CPZ-induced neurodegeneration*’. |  |
| **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 good. The context and background is clear, the scope, significance and mechanisms are mentioned. The abstract could be strengthened by writing a brief about translational research and the existing gap might make the manuscript stronger. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript looks scientifically correct. However, it heavily relies on animal models and literature studies, which is excellent. Mentioning lack of human data would be good, I think. Where possible, It also might be good to include dose-specific findings to lay stress on evidence based analysis. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References are sufficient, but rely heavily on animal models and in vitro studies.Human data based references will be great. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes, it’s good |  |
| **Optional/General** comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the 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 detail)** |  |

**Reviewer Details:**

**Suneeta Modekurty, Indiana University, United States**