

# Review of: "Neurotherapeutic Comparison of Aripiprazole and Ethanolic Extract of *Fragaria Ananassa* on Cerebrum and Amygdala of Methamphetamine Intoxicated Male Wistar Rats"

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Potential competing interests: No potential competing interests to declare.

1. The article lacks justification for its sample size, which is crucial for ensuring statistical power.
2. More information is needed on why specific doses were chosen for each experimental group.
3. The method for preparing the ethanolic extract of *Fragaria ananassa* is inadequately detailed, limiting reproducibility.
4. The paper should specify which statistical tests were used and if corrections for multiple comparisons were applied.
5. There's no mention of controlling for variables that could affect the results, such as rats' age or environmental factors.
6. A rationale for choosing specific oxidative stress markers (SOD, MDA, CAT) would strengthen the study.
7. The significance of unchanged oxidative stress markers across groups needs further discussion in the context of existing literature.
8. The histological analysis lacks detail on staining methods and criteria for assessing neuronal degeneration.
9. The relevance and significance of the chosen neurobehavioral tests to the study's objectives should be clarified.
10. While acknowledging limitations, the paper could benefit from a deeper discussion on the challenges of translating findings from animal models to humans.