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| Journal Name: | [**Journal of Complementary and Alternative Medical Research**](https://journaljocamr.com/index.php/JOCAMR) |
| Manuscript Number: | **Ms\_JOCAMR\_136964** |
| Title of the Manuscript: | **Telfairia occidentalis seed extract and fractions mitigated liver and kidney injuries in rats with testosterone-induced benign prostatic hyperplasia** |
| Type of the Article | **Orginal research 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** (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.** | This manuscript holds significant importance as it scientifically validates the traditional use of Telfairia occidentalis in treating prostate disorders, supporting the integration of traditional knowledge into modern therapies. It also addresses a prevalent health issue (BPH) and offers a promising natural alternative. The study contributes to new drug discovery by identifying phytochemical components and their proposed mechanisms of action , and highlights a multi-organ protective effect (liver, kidney, and prostate). |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is highly suitable. It is accurate, informative, and precisely reflects the core findings and scope of the study, clearly identifying the experimental agent, observed effects, animal model, and induced condition. |  |
| 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 comprehensive and well-organized, effectively summarizing the study's objectives, methodology, key findings, and conclusions.  Suggestions for Additions/Deletions: No major deletions are necessary. Minor additions could include specifying the "Wistar" rat strain, briefly mentioning the 28-day treatment duration, and clarifying "total bilirubin" to "direct bilirubin" for consistency. |  |
| Is the manuscript scientifically, correct? Please write here. | **Materials and Methods:** This section demonstrates exceptional detail and high precision, making it highly reproducible. Plant collection and extraction, animal handling and ethics, BPH induction and study design, sample collection and analytical methods, histopathological studies, and statistical analysis are all clearly and accurately described.  **Presentation of Results:** Results are generally presented clearly and consistently across tables and figures, with appropriate statistical analysis. However, there are inconsistencies in dose-response for some liver and kidney function parameters , a direct contradiction between the text and Table 2 regarding hematological parameters (especially MONO %) , and some discrepancies in histological interpretations (e.g., "severely affected" for certain treated groups).  **Discussion Section:** This section effectively interprets the results, strongly links them to existing literature, and proposes plausible mechanisms of action. However, a notable weakness is the complete absence of an explicit "Study Limitations" subsection, which is crucial for critical self-assessment. | The results were not said to be dose dependent nor the word dose-dependent mentioned in the tex. It was observed ab initio that the diferent doses produced variable results and these were taken into consideration when scripting the manuscript |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The "References" section appears largely sufficient and recent. However, there are minor inconsistencies in formatting and some hyperlinks are inactive or improperly formatted. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The English language quality of the article requires significant improvement. There are numerous grammatical errors, spelling mistakes (e.g., "signifiCan'tly," "a poptosis"), and unclear or informal phrasing. A critical error is the presence of a completely irrelevant sentence , raising concerns about manuscript preparation. A thorough professional English language review is strongly recommended. |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (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)* | No |