

Journal Name:	Journal of Disease and Global Health
Manuscript Number:	Ms_JODAGH_12710
Title of the Manuscript:	EVALUATION OF LIPID PARAMETERS IN TESTOSTERONE-INDUCED BENIGN PROSTATE HYPERPLASIA IN ALBINO RATS TREATED WITH PLANTAIN ROOT EXTRACT
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	<p>The manuscript titled "Evaluation of Lipid Parameters in Testosterone-Induced Benign Prostate Hyperplasia in Albino Rats Treated with Plantain Root Extract" provides valuable insights into the potential therapeutic role of plantain root extract in managing benign prostate hyperplasia (BPH). The study is significant because it investigates not only the effect of treatment on prostate-specific antigen (PSA) and malondialdehyde (MDA) levels but also explores the role of lipid parameters in the context of BPH. This work highlights the anti-inflammatory properties of herbal extracts and their potential to attenuate oxidative stress in prostate cells. Moreover, the findings contribute to the ongoing discussion about the relationship between lipid metabolism and BPH, offering clarity in an area with limited and conflicting data. Such research is essential for advancing knowledge in the development of safer and more effective treatments for BPH, particularly with the inclusion of natural remedies.</p>	Noted and revised
Is the title of the article suitable? (If not please suggest an alternative title)	<p>The title of the article, "Evaluation of Lipid Parameters in Testosterone-Induced Benign Prostate Hyperplasia in Albino Rats Treated with Plantain Root Extract," is descriptive and provides a clear indication of the study's main focus. It reflects the key elements of the research, including the condition studied (benign prostate hyperplasia), the experimental model (testosterone-induced in albino rats), and the treatment investigated (plantain root extract).</p> <p>A suggested alternative could be: "Assessment of Lipid Profile and Oxidative Stress in Testosterone-Induced Prostate Hyperplasia Treated with Plantain Root Extract."</p>	Noted and revised

	<p>This alternative title highlights the dual focus on lipid parameters and oxidative stress while maintaining clarity about the treatment and model used.</p>	
<p>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.</p>	<p>The abstract of the article is generally comprehensive and provides a clear overview of the study's objectives, methodology, and key findings. However, there are areas where it could be improved for greater clarity and completeness. Below are the suggestions for improvement:</p> <p>Suggestions for Addition:</p> <p>Phytochemical Analysis: The abstract does not mention the phytochemical analysis of the plantain root extract, which is an important aspect of the study. Including a brief statement about the presence of key phytochemicals (e.g., steroids, terpenoids, alkaloids) would add value.</p> <p>Highlight of Combination Therapy: The abstract does not emphasize the finding that the combination of herbal extract and Avodart did not lead to negative outcomes or side effects. This is an important result that could be briefly included.</p> <p>Statistical Significance of Results: The abstract could explicitly mention that PSA and MDA levels were significantly lower in the treated groups compared to the positive control, emphasizing the statistical importance.</p>	<p>Noted and revised</p>
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript is scientifically correct but could benefit from additional clarification and elaboration in specific areas, particularly regarding lipid metabolism and the mechanisms by which the plantain root extract exerts its effects. Addressing these points would strengthen the manuscript and increase its impact on the scientific community.</p>	<p>Noted</p>
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>While the existing references provide a solid foundation, they are not sufficient to fully support the manuscript's claims or to situate the study within the current scientific landscape. Adding recent and relevant studies, particularly those focusing on lipid metabolism, oxidative stress, and natural therapeutics, would greatly enhance the manuscript's credibility and</p>	<p>Noted</p>

	comprehensiveness.	
Is the language/English quality of the article suitable for scholarly communications?	The article's language is generally sufficient for scholarly communication but requires refinement in grammar, syntax, word choice, and overall clarity to meet the highest academic standards. With these improvements, the manuscript will be better suited for publication in an international scientific journal.	
<u>Optional/General</u> comments	This manuscript addresses an important topic—evaluating lipid parameters in testosterone-induced benign prostate hyperplasia (BPH) in albino rats and investigating the potential effects of plantain root extract as a treatment. The study design is well-structured, with appropriate group allocations, and the methodology appears to follow standard experimental protocols. The results are clearly presented, and the discussion provides valuable insights into the relevance of PSA and MDA levels in BPH treatment.	Noted

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	