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| Journal Name: | [**Asian Journal of Research in Medical and Pharmaceutical Sciences**](https://journalajrimps.com/index.php/AJRIMPS) |
| Manuscript Number: | **Ms\_AJRIMPS\_134203** |
| Title of the Manuscript: | **Impact of Testosterone propionate on semen quality and endocrine profile in male Wistar Rats** |
| Type of the Article | **Original 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***(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 minimumof 3-4 sentences may be required for this part.** | **The dosage ad treatment duration of Testosterone propionate has its influence on sperm count, sperm motility, sperm morphology as well as testicular function and exogenous administration of Testosterone propionate does have its impact on endocrine profile of the body also. Hence its research on these parameters are important in order to reduce the infertility cases to some extent.** | We thank the reviewer for their contribution and suggestion is highly commendable which should put into consideration |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | We thank the reviewer for confirming that the title of the article is suitable. No changes have been made to the title in response to this comment |
| **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.** | **Yes** | The authors thank the reviewer for their positive feedback regarding the abstract. As confirmed by the reviewer, the abstract is comprehensive, and no changes were necessary in this section |
| **Is the manuscript scientifically, correct? Please write here.** | Yes | The authors thank the reviewer for their positive feedback regarding the abstract. As confirmed by the reviewer, the manuscript is scientifically correct, although a few changes were made to improve as seen in the discussion section on pages 16-17 |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | It would be better to add some more references | We thank the reviewer for the feedback on the references  additional references were added to the reference page as highlighted in the reference section on page 20 |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language quality can be improved in conclusion section | The authors appreciate the reviewer's feedback and have revised the conclusion section to improve its clarity and quality for scholarly communication. These changes are highlighted in the Conclusion section on page 18 |
| **Optional/General**comments | **This is a novel and quality research and can be recommended for publication after necessary corrections** | The author thank the reviewer for their comments |

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| **PART 2:** | | |
|  | **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)* |

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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | No there are no ethical issues in this manuscript |