

Date: January 28, 2024

To,
Editor-in-Chief
World Journal of Orthopedics

Re: Manuscript Number: 91898

Dear Sir/Madam,

Thank you for giving us the opportunity to submit the revised version of the above manuscript. Please find below the point by point response to the editors' and reviewers' comments. The changes made in the text in the manuscript are highlighted in yellow.

We hope that the changes implemented will obtain the favour of the Reviewers, and that the manuscript has now reached the standard necessary to be accepted for publication in the *World Journal of Orthopedics*.

Sincerely,

Dr. Ashim Gupta, MS, PhD, MBA, DABRM, FABRM
Editorial Board Member (**Reviewer's code: 05077162**)
World Journal of Orthopedics
Email: ashim6786@gmail.com

Reviewer # 1 Comments

Scientific Quality: Grade E (Do not publish)

Language Quality: Grade D (Rejection)

Conclusion: Rejection

Specific Comments to Authors:

I apologize, but I cannot give feedback on this manuscript until I can see the findings and research from the original manuscript that this editorial was based on. This manuscript is not available in Pubmed or the World Journal of Orthopedics.

Thank you for the comment. I agree with the reviewer that the original article is not available in the PubMed or the World Journal of Orthopedics, as it is not published yet. Respectfully, please note that this is an invited editorial sent to me as an Editorial Board Member to get my perspective on an in-press article.

Reviewer # 2 Comments

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors:

This editorial emphasizes on evaluating the efficacy of weight-adjusted antimicrobial antibiotic prophylaxis regime on incidence of surgical site infections and post-operative dosage reduction compared to conventionally used regime during total joint arthroplasty. The results demonstrated similar efficacy between both regimes with respect to incidence of SSI. In addition, weight-adjustment led to reduced post-operative dosage and has the potential to reduce chances of achieving lower therapeutic concentration, drug resistance, drug toxicity and costs.

Thank you for the comment.

EDITORIAL OFFICE'S COMMENTS

Authors must revise the manuscript according to the Editorial Office's comments and suggestions, which are listed below:

Thank you for the comment. Please see below our responses to your individual comments.

(1) Science editor:

1 Conflict of interest statement: Academic Editor has no conflict of interest.

Thank you for the comment.

2 Manuscript's theme: The topic is within the scope of the journal.

Thank you for the comment.

3 Scientific quality: The authors submitted an editorial of effect of weight-adjusted antimicrobial antibiotic prophylaxis on post-operative dosage and surgical site infections incidence in total joint arthroplasty. The manuscript is overall qualified.

Thank you for the comment.

(1) Advantages and disadvantages: The reviewers have given positive peer-review reports for the manuscript. The reviewer believes that the author should supplement and revise the main content and conclusions of the editorial, and explain the fundamental concepts and ultimate objectives of joint replacement surgery. Secondly, the author should explain the potential further research on joint replacement surgery using computer/computational simulation. Lastly, the author should pay attention to grammatical and spelling errors.

Thank you for the comment. The suggested changes have been made in the manuscript.

(2) Main manuscript content: The authors state the purpose of the study clearly, the study design is appropriate and feasible, and the statistical methods used are correct. However, the manuscript still require a further revision according to the detailed comments listed below.

Thank you for the comment. All the below comments are addressed.

(3) References: A total of 10 references are cited, including 2 published in the last 3 years. The author does not have self-cited references. The cited references are overall sufficient and reasonable. The reviewer requests the authors to cite improper references published by him. The authors have the right to refuse to cite improper references recommended by the peer reviewer, especially those published by the peer reviewer.

Thank you for the comment. We have added two new citations required to address the reviewers' comments.

4 Language evaluation: The English-language grammatical presentation needs to be improved to a certain extent. There are many errors in grammar and format, throughout the entire manuscript. Before final acceptance, the authors must provide the English Language Certificate issued by a professional English language editing company. Please visit the following website for the professional English language editing companies we recommend: <https://www.wjgnet.com/bpg/gerinfo/240>.

Thank you for the comment. Respectfully, the corresponding author belongs to an english speaking country, United States, and have checked for and corrected all grammatical mistakes.

5 Specific comments:

(1) Please provide the PubMed numbers (<https://pubmed.ncbi.nlm.nih.gov/>) and DOI citation numbers (<https://doi.crossref.org/simpleTextQuery>) to the reference list and list all authors of the references. If a reference has no PMID and DOI, please provide the source website address of this reference.

Thank you for the comment. The suggested information has been provided.

(2) Please upload the approved grant application form(s) or funding agency copy of any approval document(s).

Thank you for the comment. This is not applicable.

(3) The article discussed in this editorial needs to be included in the reference list in the following format (Ref. 9)<Okoro T, Wan M, Mukabeta TD, Malev E, Gross M, Williams C, Manjra M, Kuiper JH, Murnaghan J. Assessment of the effectiveness of weight-adjusted antibiotic administration, for reduced duration, in surgical prophylaxis of primary hip and knee arthroplasty. *World J Orthop* 2024; In press>.

Thank you for the comment. The suggested change has been made in the manuscript.

6 Recommendation: Conditional acceptance.

Thank you for the comment.

Language Quality: Grade B (Minor language polishing)

Thank you for the comment.

Scientific Quality: Grade B (Very good)

Thank you for the comment.

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report, full text of the manuscript, all of which have met the basic publishing requirements of the *World Journal of Orthopedics*, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors.

Thank you for the comment. All the suggested changes have been made in the manuscript.

I hope that the changes implemented have improved the quality of the manuscript, and that it has now reached the necessary standard to be formally accepted for publication in the *World Journal of Orthopedics*.

We look forward to hearing from you.

Sincerely,

Ashim Gupta, MS, PhD, MBA, DABRM, FABRM