

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 80828

Title: Foot and Ankle Surgical Implications in Obese Population: A Review Article

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06403983

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2022-11-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-11-14 23:01

Reviewer performed review: 2022-11-23 23:47

Review time: 9 Days

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Obesity is associated with a variety of orthopedic problems, with a significant proportion of individuals requiring surgical intervention and increased risk of post-surgical complications. Although the relationship between obesity and orthopedic problems is well known, a comprehensive understanding of best practice treatment and surgical management in this specific population group and the impact of obesity-associated co-morbidities on surgical outcomes remains incompletely understood. The manuscript under review entitled; 'Foot and Ankle Surgical Implications in Obese Population: A Review Article,' aimed to provide an overview of major foot and ankle pathologies and obesity related risk factors and subsequent management as well as examine the impact of obesity on foot and ankle surgical outcomes when operating on obese patients. Overall, the manuscript is well written, cohesive and summarises a very pertinent and important topic, given the escalating rates of obesity and orthopedic surgical interventions and associated medical complications and costs. The manuscript however could be enhanced by better highlighting how this review article aims to fill the gaps in the literature and provides novelty/originality as well as more clearly demonstrating the clinical implications of findings and future research that is needed to build on knowledge and understanding in this field. Some suggestions to help achieve this are outlined below: Firstly, the authors could better demonstrate how their work is different to other reviews on similar topics by highlighting the potential impact of obesity-related co-morbidities and risk-factors that complicate orthopedic surgical outcomes in the obese population. This could be achieved by providing some statistics in the introduction, outlining the rates of co-morbidities such as diabetes in the obese population group and associated problems



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with wound healing as well as briefly delving into the role of chronic inflammation in complicating post-operative outcomes. Secondly, the conclusion could be enhanced by spelling out the clinical implications of the findings - how an increased awareness of the implications of obesity and obesity-related co-morbidities and management pre- and post-operatively is essential to ensure successful orthopedic surgical outcomes in this population group. Moreover, ending the conclusion with future steps for researchers in the field, such as the need for more high-quality studies examining how obesity and associated complications may contribute to unwanted orthopedic surgical outcomes and how these risks can be managed could ideally be provided.

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Reviewer's code: 05086048

Position: Editorial Board

Academic degree: PhD

Professional title: Postdoctoral Fellow

Reviewer's Country/Territory: Germany

Author's Country/Territory: United States

Manuscript submission date: 2022-11-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-08 10:59

Reviewer performed review: 2022-12-20 14:45

Review time: 12 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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statements	Conflicts-of-Interest: [] Yes [Y] No
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SPECIFIC COMMENTS TO AUTHORS

It was a pleasure to read this article. Though I enjoyed reading it, there are several problems with the manuscript which i feel should be corrected before accepting it. 1. Grammatical and punctuation error in almost sentence/paragraph that sometimes make it hard to understand what the sentence means. 2. As a reader, I would love to see one image describing the summary of the paper and also one table which relevant information 3. Conclusion is very short and don't convey much information 4. Also, the Authors must state the limitation and future perspective of the study (a separate heading before conclusion) 5. Also., Acknowledgement section need to either removed or something must be written