

Slackline : NS-LBP Ms# 61188

To The Editor-in-Chief,
World Journal of Orthopaedics

Jan 6 2021

Dear Editors;

Thank you for the review of our manuscript submitted to World Journal of Orthopedics. We are pleased to provide the following response to the Reviewers on our manuscript.

Journal title: World Journal of Orthopedics. **Manuscript NO:** 61340. **Column:** Review

Title: Slacklining: an Explanatory Multi-Dimensional Model Considering Classical Mechanics, Biopsychosocial Health and Time

Authors: Charles Philip Gabel, Hamid Reza Mokhtarinia, Bernard Guy and Markus Melloh

Reviewer #1:

Conclusion: Accept (High priority)

Specific Comments to Authors: This is an interesting study, which deserves full attention. I would strongly encourage the presentation of the manuscript in the present form.

Reviewer #2:

Conclusion: Minor revision

Specific Comments to Authors: The purpose of this study was to overcome slacklining's limited formulated explanatory models. Slacklining is an activity with increasing recreational use, but also has progressive adoption into rehabilitation. The content is innovative and interesting. The structure of the proposed article is more related to a literature review (or book-chapter). This work could be a special issue. The document is complex and very long, with a high number of words (more than 10,000 words). However, there are some minor mistakes. Slacklining is achieved through self-learned strategies that optimize energy expenditure without conceding dynamic stability, during the neuromechanical action of balance retention on a tightened band. From my point of view, in the future different types of "tightened band" could be developed to train balance, stability, motor control for rehabilitation medicine. Therefore, this article could be interesting for clinicians and researchers.

(1) Science editor:

1 Scientific quality: The manuscript describes a review of the slacklining. The topic is within the scope of the WJO.

(1) **Classification:** Grade A and Grade C;

(2) **Summary of the Peer-Review Report:** The purpose of this study was to overcome slacklining's limited formulated explanatory models. Slacklining is an activity with increasing recreational use, but also has progressive adoption into rehabilitation. The content is innovative and interesting.

- The questions raised by the reviewers should be answered; and

(3) **Format:**

- There is 1 table.

- A total of 74 references are cited,

- including 18 references published in the last 3 years.
- There are 3 self-citations.

2 Language evaluation:

1. Classification: Grade A and Grade B.
 2. The authors are native English speakers.
 - 3 Academic norms and rules: No academic misconduct was found in the Bing search.
 - 4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJO.
- 5 Issues raised:
 1. The "Author Contributions" section is missing. provide author contributions;
 - The Author Contribution section is now complete
 2. PMID numbers are missing in the reference list. Please provide PubMed numbers to the reference list
 - References include all PMID
 3. DOI numbers are missing in the reference list. Please provide numbers to the reference list
 - DOI where available and are in the WJO format
 4. List all authors of the references.
 - All authors are now listed
 5. Please revise throughout.
 - The anuscript has been thoroughly revised throughout
 - Recommendation: Conditional acceptance.

Company editor-in-chief: I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, 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.

All response to the noted sections are addressed above. We trust that the manuscript is now acceptable to the Editorial team. However, if any areas require additional editing or work please advise us at your convenience.

Sincerely

Dr C Philip Gabel

Corresponding Author