



## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Orthopedics*

**Manuscript NO:** 68031

**Title:** Paraspinal strength and electromyographic fatigue in patients with sub-acute back pain and controls: Reliability, clinical applicability and between-group differences

**Reviewer's code:** 05326654

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Nigeria

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2021-05-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-05-11 16:16

**Reviewer performed review:** 2021-05-14 06:53

**Review time:** 2 Days and 14 Hours

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 Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

## **SPECIFIC COMMENTS TO AUTHORS**

General comments: It is my pleasure to review this manuscript that aimed to investigate the reliability and discriminative validity of paraspinal strength and EMG-related fatigue in subjects with recurrent low back pain and healthy participants. The manuscript is clear and well-written. The manuscript adds to the body of the existing literature on the topic. However, I have a couple of observations for the authors as appended below. 1. The authors did not insert line numbers making it difficult to refer to specific lines in the manuscript. Abstract 2. "LBP" and "EMG" should be written in full before abbreviating subsequently. Introduction 3. Paragraph 4, "first time" should be written as "first-time" Materials and methods 4. "NHS" should be written in full before abbreviating subsequently. 5. Testing protocol and experimental design: "Participants' paraspinal muscle strength and fatigue performance was assessed..." replace "was" with "were" 6. "while EMG signal was acquired and on line transformed" on line or online? Please cross-check 7. Any picture (a figure) for the paraspinal strength measurements? it would be interesting to add this Discussions 8. The first paragraph seems to be repeated. Please modify or delete 9. The second paragraph is a bit lengthy. Please reduce the paragraph. Good luck.