

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

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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 Grade E: Do not publish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 type="checkbox"/> Grade A: Priority publishing <input checked="" 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 statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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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.