PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 64348

Title: Technological advancements in the analysis of human motion and posture management through digital devices

Reviewer's code: 05866820

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-15

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-08 11:38

Reviewer performed review: 2021-03-08 11:53

Review time: 1 Hour

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

new posture analysis techniques are emerging,The evolutions of these methods aim to standardize measurements and provide manageable tools in clinical practice for the early diagnosis of musculoskeletal pathologies and to monitor daily improvements of each patient.Movement, gait, and posture analysis are increasingly crucial in the clinical setting and everyday life. This review aims to resume the currently used motion and posture analysis systems, clarify and suggest the appropriate approaches suitable for specific cases or contexts.

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 64348

Title: Technological advancements in the analysis of human motion and posture management through digital devices

Reviewer's code: 03067673

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor, Physiotherapist

Reviewer's Country/Territory: United States

Author's Country/Territory: Italy

Manuscript submission date: 2021-02-15

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-03 21:29

Reviewer performed review: 2021-03-09 14:55

Review time: 5 Days and 17 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

The manuscript is well written overall. This article will be better suited for a basic science, or biomechanics related journal. Its clinical implication is not strong. For the introduction section, I don't see the purpose of the paragraph about Covid-19 and physical activity level. It is described that "the optoelectronic stereophotogrammetric multi-camera capturing system is the gold standard for motion analysis". The authors must provide strong reference for this statement. How about other motion analysis systems such as those electromagnetic systems (such as Polhemus, Ascension)?