Reviewer’s report

Title: Reliability and validity of a Novel Kinect-based Software Program for Measuring a Single Leg Squat.

Version: 0 Date: 28 Nov 2019

Reviewer: Clint Hansen

Reviewer's report:

Dear authors,

first of all congratulations on this very impressive work and the rigorous application of the COSMIN and QUADAS standards. The study is well conducted and refreshingly shows the pro and cons of using technology in clinical assessment. While the authors emphasize the importance of objective tools in clinical practice they also point out the pitfalls that can occur when "simply" using new technologies. Having worked on Kinect systems in a very similar setting the technology is promising but much more work needs to be done in order to improve the overall quality of the systems.

As the study not only well designed but also extremely well documented and executed I need to urge the editor to accept the manuscript in its current form. I only have one minor remark with regards to competing interests. At least one of the authors "Wim" appears in the youtube-video of the company (https://www.youtube.com/watch?v=CEE5nH6kn9M). The content is rather trivial but I would urge to declare somehow that you are not affiliated with the company or at least declare what kind of work or development you have done for them. Also I would urge you to declare if you have received the system by the company e.g. as a loan or if you have bought the system just to avoid any issues.

Kind regards from Kiel,

Clint Hansen

Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?  
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?  
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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