Reviewer’s report

Title: Gait characteristics of CKD patients: a systematic review

Version: 0 Date: 17 Jan 2019

Reviewer: Brandon Kistler

Reviewer's report:

I believe that this is an important paper that will be of interest to the readers of this journal. I do not see obvious issues with methodology or conclusions, but offer a few minor suggestions in hopes that the authors might find them helpful in revising their manuscript.

It is unclear from the description of the data analysis if there was a statistical comparison between the groups that would allow for the conclusion that they are different.

How did standing data compare to flying start?

Line 265, I would suggest clarifying that DTC has not been evaluated in CKD patients who are not on dialysis.

I would be interested in a discussion on the relationship between dialysis modality and gait.

Please confirm that you have included your review in the ‘Comments to Author’ box?
As a minimum standard, please include a few sentences that outline what you think are the authors’ hypothesis/objectives, their main results, and the conclusions drawn. Your report should constructively instruct authors on how they can strengthen their paper to the point where it may be acceptable for publication, or provide detailed reasons as to why the manuscript does not fulfill our criteria for consideration. Please supply appropriate evidence using examples from the manuscript to substantiate your comments. Please break your comments into two bulleted or numbered sections: major and minor comments.

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Are the methods appropriate and well described to allow independent reproduction of experiments?
Please state in the ‘Comments to Authors’ box below what you think are the strengths and weaknesses of the methods (study design, data collection, and data analysis), and what is required, if anything, to improve the quality of reporting.
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- Are the statistical test(s) used in this study appropriate and well described?

- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?

- Are the description of any error bars and probability values appropriate?

- Are all error bars defined in the corresponding figure legends?

- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

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No

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