Reviewer’s report

Title: Progression of planovalgus deformity with age in patients with cerebral palsy

Version: 0 Date: 17 Jan 2020

Reviewer: Donald Lein Jr

Reviewer's report:

Please include all comments for the authors in this box rather than uploading your report as an attachment. Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included in a text format.

Please overwrite this text when adding your comments to the authors.

The authors described the method so that it could be replicated by another group of investigators. I do have three suggestions. First, I think that the authors should provide the reader the reason they had only one investigator perform testing for intrarater reliability. In addition, they should provide some explanation of their decision to have only two investigators perform the measurements for the study when four of the investigators were involved in the interrater reliability testing and analysis. Did you select the two investigators that had the best interobserver reliability? Finally, in your method section you should include what type of validity and reliability that you used and found to determine the radiographic indices that you used in this study.

I also have two addressable concerns about the interpretation of the results. First, you did not address in that No Tal/Stayer was statistically significant in the GMFCS levels 1 and 2 groups for both the talo-second metatarsal angle and talo-first metatarsal angle your result section or discussion section. I would address these findings. Second, in the first statement of your discussion, you stated that the single most important factor influencing the progression of PV was GMFCS levels. You never provided this data to support this statement. You did provide us data that supported that within these groups age and No Tal/Stayer did influence some of your results. Please modify this statement in the discussion, conclusion and conclusions of the abstract.

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

No

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.

No

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

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors'
responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal