Reviewer’s report

Title: Feasibility of designing, manufacturing and delivering 3D printed ankle-foot orthoses: a systematic review

Version: 0 Date: 19 Dec 2018

Reviewer: Heidi Siddle

Reviewer’s report:

This systematic review by Wojciechowski and colleagues is very well written and provides evidence to support further research in this important clinical field. Please find listed below my recommended minor revisions.

Abstract:

Line 34: It would be useful for the authors to provide the search period rather than the date it was conducted.

Line 42: The use of the word 'unimpaired' is not consistent with the term 'healthy' used in the methods of the abstract or through the manuscript, please consider changing.

Background:

Lines 71-72: Please provide a reference or rephrase using 'clinical experience informs us…'

Method:

Line 102: Please state the date the searches were concluded.

Line 133: Please write GRADE in full first.

Results:

Line 144: Please consider replacing orthotic with AFO.

Line 152: Reference to Line 114 I understood that CAD manufacturing techniques were excluded, therefore is it possible to assess this outcome?

Discussion:
You aim (Lines 86-89) states that you will investigate the feasibility of 3D printing for the design, manufacture and delivery of AFOs by evaluating biomechanical effects, mechanical properties and fit of 3D printed compared to traditionally manufactured AFOs. However, only 5 of the 11 studies make this comparison. You have acknowledged the low numbers in sample sizes but it would be useful to highlight in the first paragraph of the Discussion that not all 11 studies made this comparison.

Line 334: Please consider revising the term 'some sort of'.

Table 1: Please include the reference number to the references listed in column 1.

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Please indicate how interesting you found the manuscript:

An article of importance in its field

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

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