Reviewer’s report

Title: A Danish Version of the Life-Space Assessment (LSA-DK) – Translation, Content Validity and Cultural Adaptation Using Cognitive Interviewing in Older Mobility Limited Adults

Version: 0 Date: 23 Sep 2019

Reviewer: Scott Kehler

Reviewer's report:

Thank you for the opportunity to review this manuscript. Pedersen et al., underwent a systematic and thorough process to translate the Life-Space Assessment tool into Danish. The primary report here is with respect to the content-validity analysis of the tool through 30 interviews with mobility-limited older adults from outpatient rehabilitation, medical wards, and assisted living. Based on these interviews with participants who reported challenges with processes related to comprehension, memory and decision, the authors modified the Life-Space Assessment with the intention of using the Life-Space Assessment tool in clinical practice.

Major comments

- I am wondering why the authors did not interview healthcare providers who may be administering the Life-Space Assessment tool in clinical practice? What if there are errors related to the people delivering the tool? You may expect that the people administering the questionnaire will need to address questions from interviewees. This should be discussed within the manuscript.

- Since the authors want to implement the Life-Space Assessment tool in clinical practice, the authors should comment on the feasibility of doing so, particularly in the Danish context.

- Based on some of the responses from interviewees, it sounds like some challenges with responding to questions may be context dependent based on differing responses across outpatient rehabilitation, medical wards, and assisted living. I think the authors should comment on this and how it was addressed in the manual.

Minor comments

- Lines 38-39: "Further, physical performance tests are often performed in stable environments where real life distractions are reduced." - I am not sure that this is accurate, speaking directly about accelerometry. These devices can be administered in acute care (e.g., see PMID: 29077906) which could be argued that is not a stable environment. I suggest revising this statement.
-for the levels of the Life-Space Assessment questionnaire, can the authors please provide these in a table format? I think it may be easier to refer back to for readers of the manuscript.

**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.

Unable to assess

**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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