Reviewer’s report

Title: Comparison between logbook-reported and objectively-assessed physical activity and sedentary time in breast cancer patients: an agreement study

Version: 0 Date: 20 Oct 2016

Reviewer: Irene Cantarero-Villanueva

Reviewer's report:

This is an agreement study that compares objective (SenseWear Professional Software) with subjective (logbook) measures of physical activity level (moderate and vigorous) and sedentary time in breast cancer patients scheduled to undergo adjuvant treatment. The results show a limited agreement between both measurement methods. In general, this study is made with enough scientific rigour and it is easily readable. Nevertheless, being two instruments that tend to overestimate and underestimate those measures of valuation, could be difficult using both to have data objectives to determine the level of expenditure energy and time sedentary. Some comments are as follows:

The introduction presents an interesting argument about the importance of this study. Nevertheless, it might be advisable to add studies that used the SenseWear Professional Software in cancer to justify the need for study.

Please, check table 1 because it has several errors: age is showing as mean (sd) or n (%) ?; 18 people are working (29%) and 20 on sick leave (3%) ?; are there errors in scheduled adjuvant treatment regime data?.

I hope this revision could help to reinforce the paper.

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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