Reviewer’s report

Title: Associations between health-related quality of life, physical function and pain in older women with osteoporosis and vertebral fracture

Version: 0 Date: 30 Apr 2019

Reviewer: Charlotte Beaudart

Reviewer's report:

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Associations between HRQoL, physical function and pain on older women with osteoporosis and vertebral fractures.

This is an interesting manuscript with appropriate statistics. Nevertheless, the reviewer has some comments in order to improve the manuscript. Authors are invited to review their manuscript.

- Introduction should be reduced. The funnel of the introduction is good but too much details are given with some of them deserving to be presented in the discussion section instead. Information should be synthesized. Moreover, the plus-value of the manuscript is not clearly presented through the introduction.

- It is not clear why authors are presenting some psychometric properties such as internal consistency and floor and ceiling effects in this manuscript. This is out of topic. Moreover, results of the internal consistency are given in method section, which is unappropriated, and results of floor and ceiling effect are not reported at all.

- Were the measures of physical function standardized? Were these tests assessed by different clinical researchers?

- Why did the authors not investigate results for the MCS and PCS scales of the SF36 questionnaire?

- From a clinical point of view, it could be interesting to have a comparison between the generic tool used and the specific tool used. Is the specific tool more associated with physical function?
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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