Reviewer's report

Title: The Application of Different Appendicular Skeletal Muscle Cutoff points and Research Definitions Associated with Health-Related Quality of Life in Korean Older People: Data from KNHANES 2008-2011

Version: 4 Date: 21 August 2014

Reviewer: David Scott

Reviewer's report:

The authors have addressed most of my previous comments, however the text of the manuscript is still difficult to follow in a number of sections and should be carefully edited. The following revisions need to be made:

Minor Essential Revisions:

1. My previous comment regarding the poor description of results for HRQoL has not been adequately addressed. In the results, please clarify that higher cumulative odds ratios indicate poorer HRQoL with lower muscle mass. Also the titles in Tables 4-7 are unclear; "Univariate analysis of male older study participants by ordinal logistic regression analysis" gives no information on the outcome or predictor variables. You also did not correct the sentence "older men with a low SMI were found to be significantly associated with the three domains...". This should be re-worded as "Low SMI was associated with the three domains in older men".

2. You still have not reported the number of participants excluded due to missing DXA measurements. This data should be available and needs to be reported.

3. You have included a copy of the EQ-5D questionnaire; this appears to be the original version not the Korean version you mention in the methods. My original comment may not have been clear but I was requesting information on the Korean version (i.e. has this been validated and please provide a reference).

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests: I declare that I have no competing interests