

Osteoarthritis and Cartilage



Letter to the Editor

Development and preliminary evaluation of the OsteoArthritis Questionnaire (OA-Quest): a psychometric study: methodological issues. Response



Dear Editor,

We would like to thank Safiri *et al.*¹ for their careful reading of Busija *et al.* manuscript describing the development of the OsteoArthritis Questionnaire (OA-Quest)². We concur with Safiri *et al.* that it is not appropriate to conduct exploratory factor analysis (EFA) and confirmatory factor analysis (CFA) on the same dataset. We would therefore like to draw the authors' attention to page 1359 (Statistical analyses section) where we highlight this very issue, and describe the use of two separate subsamples in our study. One of these subsamples ($n = 394$) was used to conduct EFA and Rasch analysis and the second subsample ($n = 398$) was used to conduct CFA. Demographic and health characteristics of the two subsamples are clearly described on page 1362 (Questionnaire construction and evaluation subsamples section) and Table 3 of Busija *et al.* manuscript². Nonetheless, we unreservedly agree that questionnaire validation is an on-going process and fully acknowledge that psychometric properties of the OA-Quest warrant further evaluation in independent studies.

Author contributions

All authors were involved in conceptualising and drafting the response. All authors approved the submitted version of the response.

Conflict of interest

The authors have no conflict of interest to declare.

Acknowledgements

The authors received no financial assistance to undertake this work.

References

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2. Busija L, Buchbinder R, Osborne RH. Development and preliminary evaluation of the OsteoArthritis Questionnaire (OA-Quest): a psychometric study. *Osteoarthr Cartil* 2016;24(8):1357–66.

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19 October 2016