Reviewer’s report

Title: Development of a scale to evaluate medical professional identity formation

Version: 0 Date: 29 Jan 2019

Reviewer: Ian Wilson

Reviewer's report:

May I congratulate the authors on an important piece of research. Finding a measure of professional identity has proven problematic with little in the way of validation. This study presents the first steps in developing a valid and reliable instrument. It is soundly based in the literature and theory but it needs to be remembered that there are multiple different theories.

The methodology is sound and the analysis and interpretation are appropriate. My only misgiving is that the process of reducing statements from 51 to 31 is not explained. It would have been powerful to have the face validity of the statements reviewed. While I do not think there is an instrument in use that has validity it would have been nice to have seen some comparisons. These may be suitable studies for the future.

All in all this is a significant step forward.

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:

Needs some language corrections before being published

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