Reviewer’s report

Title: Effect of an Interactive E-learning Tool for Delirium on Patient and Nursing Outcomes in a Geriatric Hospital Setting: Findings of a Before-After study

Version: 0 Date: 12 Jul 2017

Reviewer: Fabio Guerini

Reviewer's report:

The subject of this study is of interest to readers of BMC Geriatrics: educational strategies to increase delirium knowledge among nurses are desirable.

Substantial methodological and other formal clarifications are needed.
Specific comments follow:

- Major Compulsory Revisions

1. Results section, 1st paragraph, study participants: almost half of the admitted patients refused to give consent to the study. It is questionable to calculate a prevalence of delirium as a primary outcome of the study with such a refusal rate, due to an inevitable detection bias.

2. Discussion section, 1st paragraph: the authors admit they did not find impact of the delirium e-learning tool on prevalence, duration, severity of delirium, nor on mortality and nursing knowledge. They also hypothesize that the effect of e-learning tool could be more effective on wards less experienced on delirium management. This could be interpreted as a substantial admission of a wrong design of the study.

- Minor Essential Revisions

1. Methods section, baseline data paragraph: the cited version of the Katz index ADL should range from 0 to 6, and not 0 to 12.
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.

No

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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