Reviewer’s report

Title: Effects of computerized cognitive training on neuroimaging outcomes in older adults: A systematic review

Version: 0 Date: 02 Mar 2017

Reviewer: Leon Flicker

Reviewer's report:

Overall this is a well conducted systematic review albeit on a narrow topic. I would have preferred slightly more detail as to whether these neuro imaging techniques have been shown to correlate with more obvious cognitive and quality of life measures in older people. Could the authors provide this summary?

There are relatively few included studies and many of the included studies are not RCTs. Nevertheless did the authors consider quantitative meta-analyses using standardized mean differences? If not why not?

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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