Reviewer’s report

Title: Impact of a structured multicomponent educational intervention program on metabolic control of patients with type 2 diabetes

Version: 0 Date: 06 Feb 2017

Reviewer: Miguel Goncalves

Reviewer’s report:

Major Compulsory Revisions

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Table 2: Not sure what are the purpose of the R squared values for the statistical significant values. This is simply a squared of the intercorrelation values and it would be applicable to all values in the table. I would just remove. In addition, some of the correlations are obvious - BMI is correlated with obesity and overweight.

Multiple comparisons: There are plenty of t-tests and therefore they need to be controlled for multiple comparisons. For example, all of those in tables 1 and 2. This can lead to false positives or Type I errors. I would recommend some sort of correction on the p-value (e.g. Bonferroni correction) to establish whether any of the tests show statistically significant results.

Longitudinal analysis: The paper would benefit from the output of the ANCOVAs ran on the 4 dependent variables. I mainly ask for this as the reader would be surprised about some statistical significant differences and their meaning - for example, the BMI effect goes from 30.8 to 30.3. Is such a small reduction have any statistically or clinical significance?

Minor Essential Revisions

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There needs to be consistency across the paper (including tables) whether the decimal marker is a '.' or a ','.

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?
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Unable to assess

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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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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