Reviewer's report

Title: Altered regional gray matter volume in Chinese female patients with bulimia nervosa

Version: 1 Date: 08 Dec 2019

Reviewer: Stefan Buchmann

Reviewer's report:

General Comments:

Thank you for giving me the opportunity to review your manuscript.

The topic is especially regarding the age and comorbidities of rc repair patients very interesting. Despite the activity maybe the combination with sleepless nights du to orthosis and/or pain might also be taken in consideration for negative postoperative effects.

The methods are clearly described, the results are rather clear. In the conclusion I would add a paragraph of 3 to 4 lines about maybe patient screening (who is the patient with the biggest loss of activity) and possible interventions for gaining more activity (ergometer/self-exercise program,...) to increase the clinical relevance of the data.

Abstract:

Line 43: Please specify „activity was measured" - which variables did you document?

Line 44: What kind of questionnaire did you use - a standardized available or an individual questionnaire for this study

Line 48: Please mention the total number of gait cycles in both groups

Background:

Line 69-85: Please shorten - general knowledge is repeated here without focussing on the main topic.

Line 97-98: The sentence does not clearly fit into the context - this is another interesting topic but in my eyes not related with general activity.
Method:

Line 140-148: Please explain the questionnaires more in detail or provide it as figure/supplement

Results:

Clearly described.

Discussion:

Line 243: You included young and healthy subjects - the concerning population in my eyes are rc patients with an average age of maybe 65 years. Why did you choose the young population? In the Hatta study the focussed on instability patient that are normally young and active. Please add as limitation.

Also the measuring of „only" two days should be mentioned as limitation as individual activity differences e.g. on one day might change the results significantly.

Additionally the probands know that activity is measured - that might influence the activity in either one ore another way. Did you consider to measure e.f. 4 days an randomly choose twice 10 hours?

References:

Well chosen.

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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