Reviewer's report

Title: Correlation Between physical activity, eating behavior and Obesity among Sudanese Medical Students Sudan

Version: 1 Date: 02 Jun 2018

Reviewer: Apichai Wattanapisit

Reviewer's report:

The revised version is better than the previous one. The structures and details of each section are more informative. However, there is a need to improve the consistency of writing:

- Using capital letters (e.g., obesity in the Abstract, male in Table 1, moderate in Table 5)
- Decimal numbers (e.g., Table 1: row 1 and 2 - different from other rows)

The results should be critically reviewed to correct the data (Table 3 and Table 4). Overall, a major revision is needed to improve this manuscript.

Specific comments:

Background:

- Page 5, Line 3-4: 'In addition, no previous studies were conducted to assess the physical activity and eating behavior using IPAQ & TFEQ-R18.'

What is the importance of the sentence? Why IPAQ and TFEQ-R18 are important?

- What is different between paragraph 5 (page 5, line 8-23) and paragraph 6 (page 5, line 26-34)? Please rephrase or combine these two paragraphs.

Results:

- Page 8, Line 32: 'Majority' = 44.9%
Is it appropriate to use this word since it was less than half?

- Please insert one more subheading about eating behaviors.

- Table 3 and 4:
Table 3 shows 14 obese students (or 62 students included overweight) VS Table 4 shows 64 obese students

Please check and correct the data.

- Table 5: What is the definition of low, moderate, and high physical activity?
Please define this. Perhaps, it can be in the Methodology.

Discussion:

- Paragraph 2 (Page 9, Line 43-51): 'These discrepancies in results may be attributed to the differences in methods used to assess physical activity level and obesity. In investigation of such relationships, it is crucial to assess physical activity and obesity with the appropriate temporal sequence(18).'

The sentences are not clear and not relevant to the previous sentences in this paragraph. Please reorganise the paragraph.

- Paragraph 3 is not clear. The authors mentioned about the insignificant correlation between gender and obesity. However, the authors discussed about physical activity levels among males and females, which were not mentioned in this study. Please mention about the relevant data according to the findings of this study.

- Page 10, Line 41-43: 'This insignificant relationship had been documented by previous studies (25).'

The authors mentioned about previous studies (but this sentence refers to only one study).

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.

Unable to assess

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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