Reviewer's report

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

Version: 0 Date: 23 Mar 2018

Reviewer: Neha Rathi

Reviewer's report:

There are grammatical errors throughout the manuscript. I have highlighted two below:

1. Abstract opening statement could be written as: 'Obesity has emerged as major public health problem,'
2. Page 2; Line 9 - Instead of 'data was', use 'data were'

Background:

Page 3 - Lines 36-37 - From where is the definition of obesity derived? Reference needed
Page 3 - Lines 45-46 - You need to insert references for strengthening your argument i.e. 'Reduction in physical activity level in developing countries' Also you need to provide few examples of developing countries.
Page 4 - Line 47 - Provide examples of chronic diseases
Page 4 - Line 48 - Poor countries?? Do you mean low-income countries?
Page 4 - Line 49 - Adults? What is the age group? I don't understand the mention of adults here? This paper is based on university students i.e. young adults?
Page 4 - Lines 56-65 - The description of the two questionnaires is not relevant here. It should be discussed in the Methods section.
Page 4 - Line 67 - bad dietary habits - not clear? Did you mean unhealthy dietary habits?
Page 4 - Line 68 - Give the reference
Page 4 - Line 70 - There is a need to provide a stronger rationale for studying medical students. Is there a high prevalence of obesity in Medical students?
Page 5 - Line 72 - Check spelling for activity
Methodology:

Page 5 - Line 83 - Background data were collected? e.g. gender, age??

Page 5 - Line 84 - Reference for questionnaire needed

Page 5 - Line 85 - What were the seven questions?

Page 5 - Line 90 - Reference for questionnaire needed

Page 6 - Line 99 - "The type that had highest score is the participant eating pattern" - Not clear

Page 6 - Line 100 - A sample size of 5 students was used for pretesting. Is it an adequate sample size for a pilot study?

Page 6 - Line 103 - Check spelling 'weighted'

Page 6 - Lines 105-109 - Reference needed for BMI

Page 6 - Line 110 - Word missing - Descriptive…. - Insert data

Page 6 - Line 111 - Check spelling 'chi-squared' It will be 'chi-square'

Results:

This section seems a bit sketchy! It could have been written more comprehensively. Also, it would be interesting to observe gender differences.

Discussion:

Page 7 - Line 140 - Try to write in third person. Avoid using first person 'our'

Page 8 - Line 148 - 'nearby'? Did you mean neighbouring? It is a bit confusing as you compare nearby with developed countries. So do you want to say that the nearby countries are developing or under-developing countries?

Page 8 - Line 156 - 'Insignificant correlation between gender' This has not been reported this in the Results section.

Page 8 - Lines 165-167 - Rephrase the sentence. There are extra words.

Overall, the discussion section is very speculative. There is a need to suggest some recommendations for improvement in physical activity levels and dietary behaviour among students.

No discussion of strengths and limitations. What about future research pathways?
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

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?
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I recommend additional statistical review

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Not suitable for publication unless extensively edited

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