Reviewer's report

Title: Influence of Sense of Coherence on adolescents' self-perceived dental aesthetics; a cross sectional study

Version: 0 Date: 30 Nov 2016

Reviewer: Shiqian Gao

Reviewer's report:

This is a hot topic and few literature was found in this area.

In general, the English is sometimes difficult to understand (e.g. line 34-35, 83-84, 86-87, 88). Some grammar error should be modified.

Abstract:

1. The aim of this study is to see "whether SOC influences the self-perception of dental aesthetics". But the author wrote in result as "adolescents had a negative self-perception of their dental aesthetics had a lower SOC …". Please keep the consistency of causality.

M&M:

1. Cross-sectional study should follow the STROBE statement. Please check it.

2. How were the subjects chosen from selected schools? Please specify. (line 90)

3. The sample size calculation was based on the prevalence of malocclusion. But the aim of this study is to investigate the association between SOC and self-perception of dental aesthetics.

4. Why "individuals with anterior tooth loss that hindered evaluation of malocclusion" were excluded? As all the missing teeth should be recorded for DAI. Please specify.
5. The Kappa value of clinical examination is 0.74. Please address it.

6. According to the DAI grade, there should be a Grade 4 as total score > 35. Please specify why the author combined Grade 3 and 4 together.

7. The author set the median of OASIS and SOC as the cut-off point for positive and negative self-perception. Please specify whether the median was included in the positive or negative part.

Result:

1. The result of DAI+OASIS in Table 1 and 3 was not consistent. Please double check all the numbers.

2. Please specify what (A) (B) and (AB) in Table 4 means.

3. What does the IOTN stand for in Table 5? Please check the format in Table 5 (the location of *).

Discussion:

1. Please justify the methodology in discussion.

2. Some information not related to the aim or the major outcome should be shortened. Duplicate information should be deleted.

3. Please specify the limitation of this study.
References:

1. Please check the format of reference to make them consistent.

2. When citing a website, please put the assessed date. (ref 19)

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
Declaration of competing interests

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