**Reviewer’s report**

**Title:** Dental and Medical Health Status and Oral Health Knowledge among Visually Impaired and sighted Female Schoolchildren in Riyadh: A Comparative Study

**Version:** 0  **Date:** 12 Jan 2017

**Reviewer:** Sujal M Parkar

**Reviewer's report:**

Reviewers’ Comments

<table>
<thead>
<tr>
<th>No.</th>
<th>Comments</th>
<th>Page number and line number</th>
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<tr>
<td>1</td>
<td>Change Title: Dental and medical health status and oral health knowledge among visually impaired school going female children in Riyadh</td>
<td>Page 1</td>
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<tr>
<td>2</td>
<td>Background is not mentioned in the abstract, directly started with aim</td>
<td>Page 1</td>
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<td>3</td>
<td>Abstract: Method: 79 and 83 how matching is done? Even it not mentioned in materials and methods section</td>
<td>Page 1</td>
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<td>4</td>
<td>Abstract: Result: Heavy accumulation of plaque..... Reframe the sentence</td>
<td>Page 1</td>
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<td>5</td>
<td>Abstract: Conclusion: worse oral health status..... change to poor dental health status</td>
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<td>6</td>
<td>Change to: the maintenance of oral hygiene practice among visually impaired children is quite challenging...</td>
<td>Page 3; Line 23</td>
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<td>7</td>
<td>No need to write World Health Organization</td>
<td>Page 3; Line 29</td>
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<td>8</td>
<td>Introduction: Nothing mentioned about medical conditions as it is include in aim of the study</td>
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<td>9</td>
<td>--conducted among this age group.... which age group it means?</td>
<td>Page 4; Line 8</td>
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<td>10</td>
<td>How sample size was determined?</td>
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</table>
What type of examination form was used? What it includes, provide details

Replace the word periodontal to "gingival status"

Author is totally confused. Why these particular indices were used? Are these are similar to the most standard indices are OHI-S (Green and Vermillion, 1964), Gingival index (loe and Silness, 1963) and Plaque (Silness and Loe 1964). If yes make changes in reference. If no provide the scoring criteria for the indices what has been mentioned in the methodology as these indices are not popular...

Pearson's Chi-square test was used to know the association not the correlation

Comparison was made between 2 groups than why author used ANOVA? ANOVA is not applicable here

Describe the result in terms of mean and SD not in proportion and the P value is for unpaired t test (as only 2 groups were compared) not for ANOVA Table 2, 3

What is meant by positive behavior? How the positive behavior was assessed?

Reference?

Reference?

No need to repeat the same sentence (already mentioned in starting of paragraph)

"In general, both groups exhibited unmet dental treatment needs and lack of accessibility toward dental care facilities" How authors gave such statement? Nothing has been mentioned in the result section regarding treatment.
Reference?

Concerning plaque removal... why author is concern for plaque removal as it is not mentioned anywhere for plaque removal

Change et al

Bekiroglu et al Cross check for spelling with the reference

How authors have assessed the positive behavior?

Replace Poorer with Poor

Change the references to Vancouver style of citation. Many references not written in scientific convention

Reframe the title of Table 2: Comparison of mean scores of oral hygiene, plaque and gingival status among visually impaired and sighted children

Reframe the entire Table 2 as one has to apply t test not ANOVA. Again no need to mention the proportions

Reframe the title of Table 3: Comparison of caries status among visually impaired and sighted children

Table 3: ANOVA can't be applied

Figure 1: Axis title not mentioned

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.

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 recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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