Reviewer’s report

Title: Caries experience and oral health-related quality of life (OHRQoL) of children and adolescents with cerebral palsy in a low-resource setting

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Reviewer: Guaré Renata De Oliveira

Reviewer's report:

This investigation was intended to evaluate the association between dental caries experience and oral health related quality of life (OHRQoL) among children with cerebral palsy (CP) in a low-resource setting. However, the age group is 2-17y, and should be add "children and adolescents with cerebral palsy (CP)". Also, the title should be revised.

This is an interesting paper with important applications in low-resource setting group with cerebral palsy.

1. The abstract should be rewritten and remove page 3 and line 23. "No studies focusing on the Oral health conditions on the OHRQoL with CP children" is not true. Also, on discussion this information remains confused- page 8 line 190- "one of the first studies"- (reference 4 ). It is important to rewrite and check this information.

2. The Introduction is well structured and presents the subject in an engaging manner.

3. Regarding the methodology section some questions must be clarified:

- Studied population - The studied population included 90 children and adolescents with CP. The inclusion criteria should add that all individuals included in present study had a clinical medical diagnosis of cerebral palsy (International Classification of Diseases and Related Health Problems 10th, ICD-10)”, for example.

- Data collection. The classification of cerebral palsy varies a lot, and the authors should present in this paper the CP classification based on. The authors mention GMFSC but the information about CP type is not presented. It should be interesting once the CP’s quality of life could be different according to muscular problem.

- CPI index- This index should be better described. Also, the kappa index to this variable. (Only DMFT kappa was described).
4. The results are well presented with qualified statically analyses. However, CP type based on GMFSC could be presented in a table with correlations to OHRQoL also.

5. Discussion

Regarding to FIS questionnaire some answers about "drinking, eatings or chewing foods" seems some bias to cerebral palsy condition/ oral health condition. The authors should highlight these limitations about this questionnaire in this population. The answer on caregiver perception sometimes is about cerebral palsy condition - muscle condition and not dental condition(DMFT/CPI). This is important to be mention in my opinion.

**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.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
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I am able to assess the statistics

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