Reviewer’s report

Title: Development of a Greek Oral Health Literacy Measurement Instrument: GROHL

Version: 0 Date: 09 Sep 2019

Reviewer: Ricardo Cartes-Velásquez

Reviewer's report:

This paper aims to develop and test of the Greek language oral health literacy measurement instrument (GROHL).

Title is adequate and informative.

Abstract must to be improved, as the results does not include all relevant information, especially those relate with IRT and validity measures.

Introduction includes many relevant facts about OHL, but fails to support the election of REALD-30 as a basis for the development of GROHL.

Sample selection is clearly described, but is not clear why they choose private dental clinics as a setting.

Data collection is well described.

Development of GROHL is not well described. It is not clear why they choose 44 words, nor why two dental professional was enough to determine face validity, nor how they determine the pronunciation quality. Moreover, is quite confuse why they mixed IRT and CTT approaches in this study.

Statistical analysis is adequate.

Results are adequate and consistent with Methods.

Discussion is fair, but fails to explore the implications of all statistical measure they got, especially those related to IRT approach.

Conclusions are well supported by results.
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.

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:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organisation that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?
If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal