Reviewer’s report

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

Version: 0  Date: 05 Aug 2019

Reviewer: Hai Ming Wong

Reviewer's report:

This is an interesting paper aiming at developing and testing of the Greek language oral health literacy measurement instrument (GROHL). Oral health literacy is essential in clinical practice, research, and public health promotion. The need to quantify and test Oral health literacy in Greek is justified. However, the following issues should be addressed by the authors.

Introduction

A critical review of the background of the development of oral health literacy instrument is needed. What are the limitations and recommendations found in the systematic reviews? Systematic reviews, such as "Efficacy of instruments measuring oral health literacy: a systematic review. Oral Health Prev Dent. 2014;12(3):201-7", are suggested to be included in the Introduction section.

Methods

1. Sample size calculation is missing in this section.

2. "Participants were to read each work aloud and state whether they knew what the word meant -- they were instructed not to guess." How about if the participant hesitated, or read the word very slowly? Would this be counted as correct or not?

3. How long did the participants complete the test? If this was recorded, what analyses were performed on these data?

Discussion

1. The Discussion section is relatively short. The first part of this section repeats what were stated in the Introduction, Methods and Results. More and deeper interpretation, discussion and comparison are expected in this section.

2. "...word recognition and pronunciation are used here as proxies of functional health literacy—actual skills (i.e., interpreting a prescription, or following instructions to use a dental product or device) were not tested as part of this investigation.” In order to acquaint the readers or
researchers who are not in the field of health literacy, the "functional health literacy" should be explained more so that it is clarified in the Limitation section that GROHL is only a quick and simple test, and more comprehensive tools in Greek are warranted. TOFHLID (reference 17) and HKOHLAT-P (Int J Paediatr Dent. 2013;23(5):366-75) can be compared for this purpose.

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**

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 organization 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/](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.