Reviewer’s report

Title: THE ITALIAN VERSION OF THE CRANIOFACIAL PAIN AND DISABILITY INVENTORY IN PATIENTS WITH CHRONIC TEMPOROMANDIBULAR JOINT DISORDERS. Cross-cultural adaptation, reliability and validity

Version: 0 Date: 08 Oct 2018

Reviewer: Songlin He

Reviewer's report:

The aim of this study was to develop an Italian form of the Craniofacial Pain Disability Inventory (CFPDI-I) and investigate its clinimetric abilities in patients with temporomandibular disorders (TMD). This is an interesting paper on cross cultural validation. However, I strongly suggest the review of the statistics. Please, I recommend the careful reading of COSMIN manual (http://www.cosmin.nl/images/upload/files/COSMIN%20checklist%20manual%20v9.pdf) to conduct the Confirmatory Factor Analysis in order to "confirm" the structure model obtained compared to the original version structure.

In general there are a number of spelling, grammar and syntax errors throughout this manuscript, which would need to be addressed.

Introduction

1. Please, include in the introduction one statement that convince reader about the importance to use CFPDI-I in TMD patients. It will increase the importance of the paper towards its innovative potential. The introduction could not quite convince the reader on the importance of the study.

2. The introduction would benefit from an explanation as to why cross-cultural adaptation is necessary in the process of translation of an instrument. The provision of information regarding the details of cross-cultural adaptation would also be of interest perhaps in the discussion section. As well as, explain to readers why it is important to check validity, internal consistency and reliability of the translated version.

Methods

1. The reference which the authors cited to calculate the sample size is not correct.

2. How many patients were selected to calculate the stability of the scale?

3. Were any of the issues patients had in completing the questionnaire that warranted consulting a research assistant during completion raised in the pre-testing phase?
Results

The Cronbach alpha value are very high - this is not necessarily a good thing as it suggests there maybe be additional redundant items. This should have been acknowledged and discussed.

Discussion

1. More importantly, there is little in the discussion section about the importance of this study. Why would anyone care to use the CFPDI-I? Are there any particular issues related to its use in patients with TMD?

2. The authors did not refer to the potential effects of the fact that the majority of the study sample was females.

3. Please explain why you did not include the responsiveness of the CFPDI-I.

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.

No

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

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None

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