Reviewer's report

Title: The impact of oral health conditions, socioeconomic status and use of specific substances on quality of life of addicted persons

Version: 4
Date: 19 December 2014

Reviewer: Raquel P Antoniazzi

Reviewer's report:

This cross-sectional study aimed to assess the impact of oral health conditions, socioeconomic status and use of specific substances on quality of life of alcohol and drug addicted subjects, receiving care at outpatient treatment facilities in Brazil. Using a random sample of 262 participants, this study demonstrated that the general quality of life of addicted individuals was associated with caries experience, low income and cocaine/crack use. Further insights into the text should be provided for better understanding as follow:

Major Compulsory Revisions

1. Methods: Please, provide information on how the questionnaires were completed (in a quiet room; mode of administration, if it was face to face interview, and so on..).

2. Results: Provide the response-rate and the reasons for non-response. It would be interesting to include a flow diagram.

3. Results: I suggest the inclusion of a table with data for the mean scores of the WHOQOL-BREF and the physical, psychological, social relationships and environment domains.

Minor Essential Revisions:

1. Abstract: Methods: line 47: Correct "level of significance ## <#0.05" with "level of significance # <0.05."

2. Abstract: Methods: line 48: There are two confidence interval values, "income (OR= 2.41; CI 95%= 1.15-3.59 1.22-4.77)." Please correct it.

3. Introduction: Page 4, line 97: I suggest removing the term "development of cirrhosis" of the sentence, because it is redundant: "high risk of diseases such as HIV, Hepatitis, Tuberculosis, cirrhosis and development of cirrhosis [4-7]."

4. Introduction: line 105: The term "gum disease" should be replaced by "periodontal disease".

5. Methods: Explain why the sample size calculation was performed with dental
caries data, since the study outcome is quality of life?

6. Methods: Questionnaires: line 151: The data of oral hygiene and dental treatment were not used in the study, and may be removed, as follows: “Data were collected on the participant’s sex, age, race, and socioeconomic status (monthly family income, participant’s and parents’ educational level).

7. Methods: Outcome measure: The WHOQOL-bref, consists of 26 questions, two general issues of quality of life and the other 24 represent each of the 24 facets that make up the original instrument. On page 6, line 163 contained 28 items. Please clarify with a better explanation on the manuscript.

8. Methods: Statistical analyses: would be interesting additional details about the criteria used to dichotomized outcome quality of life.

9. Methods: Statistical analyses: Please includes the analysis of the chi-square, as described above abstract.

10. Results: Table 2: The table should be better structured and configured. The values of "p" should be standardized with 3 units after point and all with point. There are some with a comma. Likewise, the "OR" and percent should be standardized into two units after the point.

11. Discussion: page 10: When the WHOQOL-BREF questionnaire was discussed, I think it should be mentioned that there is a tool to assess quality of life in drug users, but not yet validated in Brazil (Drug User Quality of Life Scale: DUQOL).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.