Reviewer's report

Title: Change in oral impacts on daily performances, OIDP, with increasing age: Testing the evaluative properties of the OIDP inventory using prospective data from Norway and Sweden

Version: Date: 27 February 2014

Reviewer: Sudaduang Krisdapong

Reviewer's report:

This is a well designed study that provide a new knowledge to research in this area. Manuscript is well written with a clear methodological procedures. Few comments are as follow:

Major revisions:

1. Please state clearly in all places, particularly where important eg. title, objective, methods, conclusion that the study applied OIDP frequency score only, not a general or full version.

2. It is not so clear whether self-administration or interview method was applied for gathering data on OIDP frequency. It seems to be the former one. If so, validation process of self-administered questionnaire should be concerned (similar to what authors mentioned about validation of tooth loss questionnaire).

3. Non-response was quite high, for Norway in particular. The study also found that follow-up groups had better oral health perceptions in all measures. I wonder whether this would affect study's findings, for example, that Swedish (higher response rate) had better (less worsened) OHRQoL.

4. Conclusion and last paragraph of Discussion say Norwegian/ Swedish were more/less likely to have worsened and less/more likely to have improved OIDP. But the latter was not statistically significant. Please check.

5. Findings regarding both positive and negative changes in OHRQoL after tooth loss were previously found and discussed as authors have included in Discussion. However assumptions that tooth loss might decrease pain and at the same time increase difficulty chewing, resulting in changes in both directions can be proved by this study through analyses of subscales (8 items) of OIDP data. This would make study's findings more fruitful.

Minor revisions:

1. OIDP in the title should be put in parentheses after its full name, not after comma. Please also use the term that clearly refers to 'OIDP frequency score', not full version of the index.

2. The term 'OIDP ADD' appears on page 7, 'OIDP total score' on page 8. Are they the same? Please be consistent. Moreover, OIDP frequency ADD or OIDP frequency total score would be more appropriate. Similarly, OIDP frequency SC would be more accurate that OIDP SC. Please also have '0-40' in parentheses
after the term OIDP (frequency) ADD/total score, as you have 0-8 after OIDP SC.

**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.