Reviewer's report

**Title:** Oral Health Status and Treatment Needs among Psychiatric Inpatients in Rennes, France: a cross-sectional study

**Version:** 3  **Date:** 14 December 2012

**Reviewer:** Lin-Yang Chi

**Reviewer’s report:**

**Major Compulsory Revisions**

1. Since subjects with aggressive behavior and lack of cooperation were excluded. The authors need to discuss if there is any possibility of selection bias.
2. The reliability and validity of the answers given by the patients need to be discussed.
3. The authors used expressions as mean±SD for plaque index, calculus index, and the OHI-S. However, these scales were designed as ordinal scales, and mean±SD should be used for scales with fixed unit.
4. The authors argued that the primary preventive effort has to focus on tooth brushing educational instruction and motivation for able people. Actually professional topical fluoridation (e.g. fluoride varnish) should also be considered as a preventive option.
5. The authors are advised to make their suggestions and conclusions based on their study results.
6. Please quote the exact P-values rather than using expressions such as NS

**Minor Essential Revisions**

1. P.4,5 ‘Khi square test’ need to be corrected as ‘Chi-square test’.
2. P.4 Ninety five patients (59.0% [51,0%-66,7%]) were men and 66 (41.0% [33,3%-49,0%]) were women. This information has been repeated and there is no need for calculating the confidence intervals.
3. P.4 The mean DMFT significantly increased with age ‘(p>0.0001)’ should be corrected as ‘p<0.0001’
4. P.5 ‘13.31% of the teeth were decayed. Filled teeth: 17.10% of the teeth had been filled Missing teeth: 26.38% of the teeth had been lost’. Were those percentages for the patients or for their remaining teeth altogether?
5. P.5 ‘possible confusing effect’ should be corrected as ‘possible confounding effect’
6. P.5 ‘total dentures’ should be corrected as ‘complete dentures’
7. P.5 ‘… similar studies were the average response rate was 82%’ should be
corrected as ‘similar studies where the average response rate was 82%.’

8. P. 5 ‘It was lower than in middle-income countries’ should be corrected as ‘It was lower than those found in middle-income countries’

9. P.6 ‘… in the country were the study took place’ should be corrected as ‘in the country where the study took place’

10. P.6 ‘It was lower than in Israel (6.2) in 2009[21] and higher than in Italy’ should be corrected as ‘It was lower than that found in Israel (6.2) in 2009[21] and higher than that found in Italy’.

11. P.6 ‘… lower than in similar studies (mean ages ranges 45-52)’ should be corrected as ‘… lower than those found in similar studies (mean ages ranges 45-52),’

12. Please give the unit of length of hospitalization (years) in table 2,3 & 4.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests.