Reviewer's report

Title: Evaluating the use of Fluorescent Imaging for the Quantification of Dental Fluorosis.

Version: 1 Date: 10 September 2012

Reviewer: Armando Soto-Rojas

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Discretionary revisions

The aim of this study was to evaluate the use of fluorescent imaging for the quantification of dental fluorosis in an epidemiological survey and to determine the level of association with remote photographic scoring using a standard clinical index. This was a study of experts in this field. The results of this study suggest that QLF has the ability to reliably quantify fluorosis in an epidemiological setting, albeit assisted by clinical diagnosis.

The authors would need to have the conclusions of the abstract to be in the article conclusions to include "Despite confounding factors the fluorescence imaging system may provide a useful objective, blinded system for the assessment of enamel fluorosis when used adjunctively with photographic scoring".

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

'I declare that I have no competing interests' However, I must declare that I know the principal authors and have work with them in the area of dental fluorosis. I have no involvement in this project or study.