Reviewer's report

Title: Microbial Contamination of Toothbrushes During Treatment with Multibracket Appliances

Version: 4 Date: 16 September 2014

Reviewer: Joerg Lisson

Reviewer's report:

A very well structured paper.

I have two remarks which I'd like you to address prior to publication.

1. p4, MM, first sentence appears odd. Why "generally"? I suggest to start with e.g. "Two patient samples were analyzed."

2. Your results confirm what anybody would suspect. Did you, and if so how, ensure that the control subjects really cleaned their teeth as thoroughly as instructed? The motivation for good oral hygiene is surely higher in patients undergoing treatment, thus I'd expect them to brush more thoroughly, resulting in more debris attached to the brush. Maybe an additional sentence within the discussion might be advisable.

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 have no competing interests whatsoever.