Reviewer’s report

Title: In-vivo durability of a fluoride-releasing sealant (OpalSeal) for protection against white-spot lesion formation in orthodontic patients

Version: 2 Date: 18 February 2015

Reviewer: Gero GK Kinzinger

Reviewer’s report:

This is a paper of elevated clinical relevance as it approaches the problem of decalcification during orthodontic bracket treatment from a new direction, which is the problem of bracket periphery sealant abrasion.

The paper provides clinical data of abrasion of one sealant. As has correctly been pointed out by the authors, no investigation of white spot occurrence was performed, so loss of sealant does not necessarily mean that decalcification will occur.

Oral hygiene was screened before incorporation of brackets, and then at 14 days after incorporation of brackets. It should be mentioned under study limitation that subjects were allocated to the groups of adequate or inadequate oral hygiene based on these two assessments, not considering potential improvement or deterioration afterwards.

- Accept after minor essential revisions (which the authors can be trusted to make)

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