Reviewer's report

**Title:** Influence of light-curing mode on the cytotoxicity of resin-based surface sealants.

**Version:** 3  **Date:** 1 February 2014

**Reviewer:** Stefan Zimmer

**Reviewer's report:**

The aim of this study was to show a comparison between two sealants in an In Vitro study: Seal & Protector with and without Triclosan. In addition, two variable factors were the light intensity and time of polymerisation.

The Company/Manufacturer recommends polymerisation for 10 seconds. Furthermore, two applications and polymerisation twice is recommended. Why did you select a polymerisation time of 40 seconds as the standard? Your study found no differences between different times and light intensity, can it therefore be inferred that the dentist can as effectively use the product with a shorter polymerisation time?

M & M: Please describe more details in the Results section; e.g. which product is better than the other.

Discussion: why is Triclosan important for cytotoxicity? You have stated the concentrations of the other ingredients. Please identify the concentration of the ingredients for each product.

Conclusion: your study concludes that the product with a shorter curing time is not toxic. However, as no information is provided regarding the abrasion and other mechanical properties, in my opinion, a recommendation cannot be given.

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

**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'