

Review of: "Relationship between In Vitro Physical Properties and In Situ Biofilm Formation of Fissure Sealants"

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Potential competing interests: No potential competing interests to declare.

General comments.

This manuscript needs to reconsider about statistical analysis and its limitation to interpret the results. This point is important to help the manuscript improve its validity.

I have few comments in some points about this manuscript.

Materials and Methods

- At 2.2.1 Please give the average age of the subjects.

- Statistical Analysis

1. After Kruskal Wallis found significant, multiple comparison for non-parametric, like Dunn- Bonferroni should be used for further analysis.
2. The author used Pearson correlation which is a parametric statistic that was used to analyze the correlation between two variables. However, the study tries to use it to analyze the correlation between surface properties (Ra: mean roughness; Rq:

root mean square roughness) and micro hardness which I wonder whether it is appropriate or not. Because there is also another factor that has to be considered is type of the materials.

Results

1. Tables are difficult to read. The format and some contents such as P (P-value) in Table 1 and Sig. which is also P-value in Table 2 should be considered and correct.
2. Fig.3 a,b,c should have scale bars and may require more explanation at the legend of this figure.