Reviewer’s report

Title: The effect of mouthwashes containing biguanides on the progression of erosion in dentin

Version: 2 Date: 24 March 2014

Reviewer: Annette Wiegand

Reviewer’s report:

This is an interesting and sound paper, even a proof of concept (direct inhibition of MMPs by biguanides is missing. The experiments are well performed and the statistical analysis is also appropriate. The english style and grammar needs revision.

Specific questions:

M&M:

Was a power analysis performed?

What is the precision of the profilometer?

Please replace "RM ANOVA" by "repeated measures ANOVA"

Discussion:

Can bovine and human dentin be compared related to MMP activity?

Can you justify why the specimens were immersed in the test solutions for 10 min per cycle?

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

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests