Reviewer’s report

Title: Ex vivo anti-microbial efficacy of various formaldehyde releasers against antibiotic resistant and antibiotic sensitive microorganisms involved in infectious keratitis.

Version: 0 Date: 03 Jul 2019

Reviewer: Vasilios Diakonis

Reviewer's report:

The authors present an interesting experimental manuscript on FARs efficacy on several strains of bacteria. This is a well written manuscript and important clinically on the way to find new possible treatment modalities for microbial keratitis. Some comments follow:

Title: The title needs to be a little more specific 'Ex vivo anti microbial efficacy of various formaldehyde releasers of antibiotic resistant and antibiotic sensitive microorganisms'

There no need for abbreviations on the title

Abstract: p values should be present in the result section of your abstract

Introduction: The last two sentences of the introduction section are not needed.

Methods: Chemical, do not start a sentence with a number 50%.

Mention company name, city and country in parenthesis of all the commercial products you used in your study

Bacteria stains, the doctors name should only be in the acknowledgment section.

Discussion: In the first paragraph you mention CXL drawbacks considering keratitis treatment, UVA is understandable that may cause toxicity, nevertheless an epi defect on an infected cornea is not a drawback as its anyway present (bacterial infections most likely have epi defects). Furthermore, CXL stiffens mostly the anterior half of the cornea as correctly stated, but you may not extrapolate this particular information for antimicrobial efficacy of CXL (you are not comparing the same treatment outcomes between two treatment modalities).

Limitations need to be clearly stated in the final paragraph, this is an ex vivo study - in vivo the behavior may be different. Toxicity concerns etc.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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