Reviewer’s report

Title: Assessment of central corneal thickness and corneal endothelial morphology using ultrasound pachmetry, non-contact specular microscopy and Confoscan 4 confocal microscope.

Version: 2 Date: 27 June 2013

Reviewer: Roxana Ursea

Reviewer’s report:

The following questions need to be addressed:
- Were patients with dry eyes included or excluded from the study
- Why was the age range of patients included in the study so limited/narrow
- What is the importance of this study. It looks that is a descriptive study that compares new instruments measuring same parameters described in a multitude of previous papers.

The manuscript needs revision of the English used and editorial assistance with the presentation of its content and the way the information is conveyed.

It should not contain "shortcuts", the words should be completely spelled-out (see "hours" instead of "h" and "minutes" rather than "min" under "Subjects" within Methods section.

The complete information of the instruments used, including the company and its location, should be made available.

The discussion and conclusions are not well balanced. The discussion should include a summary with the conclusions of previous papers that evaluated same parameters using various instruments. A table with these data would be easier to follow by the interested reader.

I consider that the narrow range of the patients' age included in this study might be a limitation. the authors should consider including a much broader cohort.

The exclusion criteria are somewhat vague; they should be presented in a more comprehensive fashion.

Figure 1 and 3 should be redesigned to include a larger x axis for an easier understanding of the data presented.

I am recommending Major Compulsory Revisions

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published
Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests