Reviewer’s report

Title: Tono-Pen XL tonometry during application of a suction ring in rabbits

Version: 1 Date: 10 March 2008

Reviewer: Jean-Marie Parel

Reviewer’s report:

In published studies, we found similar results: 1) The TonoPen is not suitable for rabbits (and cats) IOP determination unless corrections to the reading scale are made – which is what the authors found, 2) At IOP > 40mmHg, the Tonopen is no longer linear and therefore cannot be used.

We found Goldman and Perkins applanation tonometers and the pneumotonometer giving more reliable and accurate readings. All of our work was based on cannulation and was verified by implantation of a 20ga piezo electric pressure sensor in the vitreous cavity.

The Acosta paper below should be cited by the authors.


What next?: Accept after minor essential revisions

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