Reviewer’s report

**Title:** Assessment of anterior chamber depth measurements using the Orbscan II ultrasound biomicroscope and Artemis- 2 VHF scanner

**Version:** 1 **Date:** 6 March 2013

**Reviewer:** sunil deokule

**Reviewer’s report:**

Authors are comparing the anterior chamber depth measurements using three different instruments out of several available for the purpose. The aim of the study is well defined with appropriate methodology and good presentation of the data.

The discussion leaves lot to desire though.

Minor revisions: Authors assert that “shallower angles lead to greater risk of glaucoma”. This statement is very broad and open to misinterpretation. It should state that shallow angles predispose to greater risk of developing acute angle closure or chronic angle closure but not glaucoma (this term includes open angle too).

Major revision: Further there are several paragraphs that are just repetition of the idea discussed previously in the manuscript, e.g.para 3 and para 4, discussing effect of mechanical applanation on ACD measurement; para 5 and para 6 discussing ‘fluctuations’ in measurements etc. Need to revise the discussion altogether to streamline. Further term “fluctuations” should be replaced with ‘variations’. There is no discussion on the drawbacks of this study including use of single observer relatively long image acquisition time with Artemis etc.

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

**Quality of written English:** Not suitable for publication unless extensively edited

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare I have no competing interests.