Reviewer's report

Title: Prediction Error and Accuracy of Intraocular Lens Power Calculation in Pediatric Patient Comparing SRK II and Pediatric IOL Calculator

Version: 3 Date: 12 July 2010

Reviewer: NORMA ALLEMANN

Reviewer's report:

Major Compulsory Revisions
No need.

Minor Essential Revisions
238 …. The patient was asked to sit on the chair and look straight ahead…
I suggest adding: … In case of general anesthesia, axial length was measured without foveal fixation.
Comment about: …contact method of A-scan biometry

343 and 344 ….The objective refraction was done under sedation in children who unable to follow the instruction and in younger children (less than 3 years old).
I suggest to add: …using Nikon Retinomax K-Plus-2 autorefractokeratometer…

586 Conclusions
587 The prediction error and the accuracy of predictability of postoperative refraction in
588 pediatric cataract surgery are comparable between SRK II and Pediatric IOL Calculator.
I suggest to add at this point: …This could be explained by a relatively small sample size and unequal distribution of patients especially the younger children (less than 3 years) with a short time follow-up (3 months), considering spherical equivalent only…

And finally add the sentence:
589 The existence of the Pediatric IOL Calculator provides an alternative to the 590 ophthalmologist for intraocular lens calculation in pediatric patients.

Discretionary Revisions
143 … measurements of a pediatric aphakic eyes…
I suggest to suppress “a”

243 ..... The Humphrey 599 autokeratometer is used to measure the cornea power. The patient sits comfortably on the patient side of the unit. …
I suggest: use past form of the verb in the sentences.

256 ....anaesthesia in children who unable...
I suggest to suppress “who”

263 ... The original SRK regression formula states that;
I suggest to use “:” instead of “;”

274 ....The SRK II formula has been devised by Sanders....
Please check if the correct term is “devised”

289 and 290. .... Holladay algorithm model. This model is based on refraction measurements of a pediatric aphakic eyes…
I suggest to suppress “a”

313 ....were implanted with the same type of intraocular lens in order to standardized intraocular lens....
I suggest: use “standardize”

331 ....Welch-Allen retinoscope was used...
Correct manufacturer: Welch Allyn

**Level of interest:** An article of importance in its field

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

**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’

Norma Allemann, MD