



SDI Review Form 1.6

Journal Name:	<u>Ophthalmology Research: An International Journal</u>
Manuscript Number:	Ms_OR_22108
Title of the Manuscript:	Validity of Novel Microsoft excel Software for Calculating Surgically Induced Astigmatism
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Sample size is very small. Did you perform sample/power analysis? If not, you would have to. Page 1, key words: write "surgically induced astigmatism" instead of "surgery induced astigmatism". Page 2, line 35-36: "...control that provides near emmetropic vision." Not emmetropic vision is the goal in case of all cataract surgeries. Page 2, line 54: Do you have own or literature data about reproducibility of keratometric measurement of Appasamy KMS 6 keratometer? If yes, please include these data; if not, all data of this study are unreliable. In two eyes, sulcus implantation of IOL were mentioned. Before this result, you wrote that "Eyes with intra operative complications excluded". In which case did you implant sulcus IOL, when there was no complication? If this is an error, please exclude these two eyes and recalculate all of your data. Figure 2 is unnecessary, please delete it. Reference 3 has to be changed to a most appropriate one.	Sample size improved to 30 patients as this is an attempt to analyse results of new calculator with existing calculators as a pilot study Line 26-corrected Line 31-32 (corrected) Line 53-58, Keratometric Data provided of 30 patients-refer table 4 Two sulcus fixated IOL s removed 30 patients data recalculated Figure 2 deleted Reference 3 removed



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	Page 5, line 111: SIA (surgically induced astigmatism) is a vector (with magnitude and axis) difference between preoperative and postoperative K readings, so the phrase “pre and post operative SIA magnitude” is not meaningful. The same presented in tables. With which method „SIA calculator version 1.1 and 2.1” works?. What is the difference between versions? Why are there differences between your method and these calculators? A detailed describing is needed regarding this issue. The method and the discussion sections are a little bit confused therefore need to be rewritten.	Corrected throughout the text and in tables Line 165-256 (see table 4 and table 5) improved
<u>Minor</u> REVISION comments	A lot of typing error disturbs the reading of this article.	Typing improved
<u>Optional/General</u> comments		