



SDI Review Form 1.6

'PART 1:

Journal Name:	<u>Ophthalmology Research: An international Journal</u>
Manuscript Number:	2013_OR_4933
Title of the Manuscript:	Postoperative Use of Cyclosporine, Prednisolone or a Cyclosporine/Prednisolone Combination to Treat Inflammation of the Conjunctiva Following Trabeculectomy in Rabbits
Type of the Article	Research paper

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	The article is well written. However, more information needs to be provided so that the reader can evaluate the effects of the surgery and the administration of bimatoprost, prednisolone and cyclosporine. The authors should consider the following: 1,What was the basis for deciding the duration of the drug administration periods before and after the operation. 2.You should explain the reason why you administered prednisolone acetate 1% instead of another corticosteroid drug. 3.Was the operation bilateral or unilateral?	1.The basis for <u>choosing</u> the duration for the drug administration period before the surgical operation was based on a previous study performed by the same group (Russ et al, 2007), when conjunctival changes were observed after a daily drop of bimatoprost over 30 days. <u>Other authors also used a 30 dy period to evaluate corneal and conjunctival changes in similar experimental designs.</u> <u>Malik Y. Kahook, MD,* and Robert J. Noecker, MD, MBA†</u> <u>Comparison of Corneal and Conjunctival Changes After Dosing of Travoprost Preserved With sofZia, Latanoprost With 0.02% Benzalkonium Chloride, and Preservative-free Artificial Tears</u> <u>Cornea</u> <u>Volume 27, Number 3, April 2008</u> Young et al have already described



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		conjunctival changes in rabbit conjunctiva in 1990 but not with prostaglandins analogues. <u>As for</u> post operatory treatment period, we decided to study acute inflammatory <u>reaction</u> and early chronic inflammation <u>response</u> up to 7 days after injury. Young LT, Higginbotham EJ, Zou XL, Farber MD. Effects of topical glaucoma drugs on fistulized rabbit conjunctiva. Ophthalmology. 1990;97(11):1423-7. 2.Prednisolone acetate 1% and gatifloxacin <u>are used in combination, after trabeculectomy as standard protocol for human patients</u> at Evangelic University Hospital, <u>Curitiba-PR, Brazil</u>. This syntetic glucocorticoid is thought to be more effective to control inflammatory reaction and has <u>better</u> corneal penetration. (Lama et al, 2003). This information was added on text. 3. The surgery was unilateral, only on the right eye described as follows “ On the <u>30th</u> day trabeculectomy was performed in the right eye without <u>the use of</u> antimetabolites on all animals by
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		the same surgeon. The rabbits were then divided randomly into three groups of ten animals <u>each</u> ”
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		