



SDI Review Form 1.6

Journal Name:	Ophthalmology Research: An International Journal
Manuscript Number:	Ms_OR_35032
Title of the Manuscript:	Photochemical Kinetic Modeling for Oxygen-enhanced UV-light-activated Corneal Collagen Crosslinking
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	<p>Change the style of writing by explaining biophysical expression when first mentioned.</p> <p>Discussion: explain how the results of this study can be applied</p> <p>Overall, the paper has to be written in a clearer more organized way familiar to average ophthalmologist</p>	<p>Fig.1 is revised to include both type-I and -II CXL, with more details explanation. Fig 2 was revised for the riboflavin and oxygen profiles at various UV intensity.</p> <p>Discussion section was extended in page 8 and 9, with extra Fig. 3 and 4 to explain the importance of oxygen diffusion depth and mechanism of oxygen depletion in type-II.</p> <p>Abstract and text of pages 8-10 have been largely rewritten. This article is essentially a mathematical modeling of CXL, and equations can not be minimized to meet average ophthalmologist needs. However, they can skip the math details and just read the discussions which provides comprehensive features. In fact, the modeling presented in this paper is much more comprehensive than all the previous modelings [Refs. 8-13].</p>
Minor REVISION comments	<p>Taipei must be followed by the country name The first mention of a term is followed by the abbreviation is not followed. E.g CXL itself, RF,...</p>	<p>Fixed to include Taipei, Taiwan. Fixed for CXL, RF in the introduction and Abstract.</p>
Optional/General comments		