

Review Form 2

Book Name:	Medicine and Medical Research: New Perspectives
Manuscript Number:	Ms_BPR_2312
Title of the Manuscript:	Wet and Dry Age-Related Macular Degeneration Induced by Polyethylene Glycol
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer’s comment	Author’s Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it presents a novel and rapid model for studying the pathogenesis of both dry and wet forms of age-related macular degeneration (AMD), a leading cause of irreversible blindness. The use of polyethylene glycol (PEG) to induce choroidal neovascularization (CNV) and damage in retinal layers in mice provides a unique approach that had not been previously demonstrated by other researchers.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes and all are good	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	This manuscript appears scientifically robust and technically sound due to several factors. Firstly, the study employs a well-established animal model, using male C57BL/6 mice, which are widely accepted in ophthalmologic research for their genetic uniformity and relevance to human eye conditions. The use of precise techniques, such as subretinal injection and immunohistochemical staining for complement components, ensures accurate observation and quantification of the effects of PEG on retinal layers. Additionally, the study includes multiple time points (days 1, 3, and 5) for analysis, providing a thorough temporal understanding of the histologic changes induced by PEG. The use of both light and laser confocal microscopy further strengthens the reliability of the imaging results, contributing to the scientific rigor of the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	NA	

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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