

Review Form 1.7

Journal Name:	Asian Journal of Research and Reports in Ophthalmology
Manuscript Number:	Ms_AJRROP_95475
Title of the Manuscript:	Relevance of mutation in Myocilin gene as a genetic biomarker of adult-onset primary open-angle glaucoma in an African population
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:

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Answering the 6 questions: Yes, the manuscript is very important for the scientific community. I really liked the title and the summary is very complete. Very interesting and should be published. But, I have some very important suggestions to make it accepted by the magazine.</p> <p>ABSTRACT</p> <ul style="list-style-type: none"> - In keywords, the words must be placed separately. Nothing too extensive. Ex: glaucoma, African population, myocillin, mutation, gene, biomarker, DNA. Note: Excellent summary! Well explanatory. <p>INTRODUCTION</p> <ul style="list-style-type: none"> - In the first sentence of the introduction, replace the semicolon (;) with a comma (,). "Glaucoma is a leading cause of irreversible blindness; accounting..." "Primary open-angle glaucoma is the most prevalent variant in Nigeria; and the..." <p>Remove:</p> <ul style="list-style-type: none"> - 15-20% "blindness in Nigeria" (became repetitive) - Primary open-angle glaucoma is the most prevalent variant in Nigeria; and the Niger Delta Region has the highest number of glaucoma "patients in Nigeria" (repetitive) <p>" This study investigates the relevance of mutation in Myocilin gene as a genetic biomarker of adult onset primary open angle glaucoma in Rivers State, Nigeria an African population."</p> <p>(This doesn't go in the intro! Must withdraw!)</p> <p>METHODOLOGY</p> <ul style="list-style-type: none"> - You should describe more about the study in the methodology. For example: patients excluded from the study; were interviewed individually?; was there a free and informed consent form signed by the patients?; Was the research submitted to an ethics committee?; how was the DNA collected?; among other details that are very important to contain in the methodology. <p>RESULTS</p> <ul style="list-style-type: none"> - Tables should not show the "total". This must be described in the text. - "Ethnicity of study participants...". That goes into the methodology. - Format the tables, especially table 6 and 7. <p>DISCUSSION</p> <ul style="list-style-type: none"> - "Age and Sex Characteristics" <p>"In this research, we recruited equal participants aged 40 years and older of both sexes and age-matched populations of the same ethnic and socio-cultural background. This was deliberate as the study-design from the onset was intended to eliminate influences from differences in age, sex and racial identities in the two groups. Moreso, it was intended to make the comparative groups as</p>	

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	<p>similar in characteristic features as possible, thereby achieving some level of homogeneity.</p> <p>The participants of this study were from the following ethnic groups in Rivers State with similar socio-cultural background: Andoni, Ekpeye, Engeni, Etche, Igbani, Ikwerre, Kalabari, Ogba, Okrika, and Ogoni. We recruited equal number of participants in the various local government areas giving a good and wide-spread of the study population - both riverine and upland communities." This should go into the methodology.</p> <p>"However, our study showed that the Prevalence Odds Ratio or the likelihood of individuals with mutations in myocilin gene; having adult-onset POAG was 4.1; implying that mutant myocilin gene is 4.1 x likely to be associated with adult-onset POAG. This was statistically significant (p=0.000) From the foregoing and the evidence provided in this study, mutation in myocilin gene does not have sufficient power of accuracy and specificity to be a screening tool for adult-onset POAG. However, mutation in myocilin gene could be used as a screening tool (biomarker) for adult-onset POAG among high-risk subjects (relatives of POAG patients). This position is shared by the works of Fingert, et al. (2007) and Stone et al. (2012)." Remove that part, it's already in the conclusion.</p> <p>REFERENCES</p> <p>- Format references.</p>	
<p>Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>		

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

Reviewer Details:

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