SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	**Ophthalmology Research: An International Journal**
Manuscript Number:	**Ms_OR_28850**
Title of the Manuscript:	**A STUDY ON AMSLER'S GRID IN ACQUIRED MACULAR DISORDERS**
Type of Article:	**Original Research Article**

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	**Authors' response to final evaluator's comments**
References 1; 2; 10; 11-14; and 17-21 have been written as they should have been. Why have references 3; 15; and 16 been omitted and 4-8 and 8-10 have been written next to a subheading. **Comments concerning the abstract**: why did the authors divide macular edema (ME) into cystoid macular edema and clinically significant ME? In case of acquired macular disorders, macular edema is a disorder and subgroups such as cystoid etc. are only its' clinical manifestations. If the authors wanted to test the difference between subgroups then they had to also include diffuse macular edema and macular edema with or without epiretinal membranes (ERM). **Comments concerning materials and methods**: including criteria has bullet 1 below it, excluding criteria has bullet 1 below it and then the author(s) go back to some number one. In other words, in order for this section to 'flow nicely'; they need to change the order around so that the including and excluding criteria are at the end of this section. **Comments concerning the introduction**: similar information concerning Amslers' grid and testing has been repeated on few occasions. Parts immediately below the headings for an introduction and Amslers' grid (i.e. repeated material) need to be consolidated into one text that should contain the above mentioned information. **Comments concerning the aim**: the aim is not well formulated i.e. aim of this study was to, with an aid of an Amslers' grid performed for acquired macular disorders of various etiologies, assess macular visual field. As far as macular edema is concerned the authors included only clinically significant and cystoid macular edema (CME), what happened with the diffuse one. Tests are not carried out on patients bt rather on eyes - patient could have had something like ME on one eye and macular hole (MH) on the other, paired, eye. **Comments concerning the results**: Sentence "In this prospective, non comparative study, 57 eyes of 50 patients with Central serous retinopathy, Age related macular degeneration,cystoid macular edema, clinically significant macular edema and macular hole who presented at the tertiary eye hospital between Jan to March 2016" is an incomplete sentence in which 'Jan' should also be changed for January. "2 patients with pregnancy (change for 'who were pregnant"), 15 patients with uncontrolled diabetes and hypertension" – they cannot be risc factors especially as ME is one of the manifestations of diabetic retinopathy (DR). If the author(s) wanted to write it like this they were to have written it under 'excluding criteria'. **Chart 2** is of no concern for the problem at hand. Testing has not been done according to gender or even according to age but rather according to macular disorders (age – related macular edema (ARMD), central serous retinopathy (CSR); ME; and MH), in addition to which ME should not be divided only into clinically significant and cystoid but should rather also include diffuse ME.	

Chart 3: below this chart there should be eyes that are counted and not patients. The authors are to, beneath each chart, write out full terms for acronyms that they have used as part of the chart.
Chart 4: eyes or patients? Eyes are the ones that the authors are looking at and NOT PATIENTS. What does '24 patients with central scotoma' mean?
Chart 5: eyes not patients.
Chart 6: doesn't exist.
Chart 7: eyes not patients and adjust sequence of labels that are part of the chart (on the side) so that they correspond to the ones in chart 4.
Chart 8: eyes not patients.
Chart 9: eyes not patients.
Overall comments concerning charts: all of the chart headings as well as their numbers should be written below the image i.e. chart by writing chart # name of the chart e.g. Chart 8. Age related macular degeneration (abbreviations are below the graphs and are usually in a smaller font to the rest of the manuscript).
Comments concerning the discussion:
First sentence of this section is "In this study entitled 'A study on Amsler's Grid in Central serous retinopathy, Age related macular degeneration,cystoid macular edema, clinically significant macular edema and macular hole , amsler's grid was used in 50 patients" and the heading is "A STUDY ON AMSLER'S GRID IN ACQUIRED MACULAR DISORDERS". What is actually name of the manuscript?

'In our study males were more compared to females i.e 3:1.' – rephrase to something like 'males were represented more frequently than females' etc.

'The sex ratio in the study done by Williamson et al is 1.2:1' is an incomplete sentence in addition to which where are authors' results?

Risk factors mentioned In the sentence "The risk factors found in our study were patients with uncontrolled diabetes, hypertension, systemic corticosteroid therapy and trauma which were similar to…" do not match the ones mentioned in the top part of the manuscript, in addition to which what do the authors mean by saying that trauma is a risk factor? Are macular disease also caused by trauma and if so why has that not been mentioned before?

'But the incidence of risk factors in the present study were less compared to other studies' – rephrase the sentence.

'Self study at home with an Amsler grid might also be sufficient to facilitate early detection of Age related macular degeneration. Although the use of Amsler grid for monitoring the central visual field for the appearance of new scotomas and metamorphopsia has been recommended for Age related macular degeneration(AMD) patients, studies have demonstrated that the sensitivity for detecting Age related macular degeneration lesions may be low' – The authors should more precisely describe advantages which Amslers' grid has over other methods, such as optical coherence tomography (OCT) and Fluorescein angiography (FA). Amslers' grid is useful as patients can use it at home, by themselves, in order to monitor changes in macular visual field that occur as a consequence of ARMD.

Sentence 'In our study slit lamp bio-microscopy showed yellow spot at the foveola, loss of foveal depression, thickening of the retina and multiple cystoid spaces in the sensory retina. This is similar to the bio-microscopic appearance of macular degeneration mentioned by Gass DM et al in their study' is irrelevant to this manuscript. Discussion should include information related to the results obtained with an aid of an Amslers' grid that are then compared to results obtained by other

authors. If the authors wanted to say that findings obtained by Amslers' grid test can point towards existence of a a macular disorder in which case macula should subsequently be looked at with an aid of a biomicroscope; OCT; and FA then they should have formulated it in such a manner. 'Elesh Kumar Jain, Pankaj Chowdhary et al. found intra retinal cystic spaces and occasionally a small amount of sub retinal fluid in post operative cystoid macular oedema. Amsler grid may be sufficient for diagnosis in patients whose presentation is classic' – Amslers' grid testing can only point towards functional changes and not structural ones. **Comments concerning the summary**: Please do a spelling and grammar check. **Overall comment**: Why did the authors take sections concerning seven different charts that they had in the initial version of their manuscript out of this version? One is under the impression that the authors only partially changed their manuscript in accordance with reviewers' comments. This is not to say that they should change their work as others see fit but some changes simply need to be made. Authors are to thoroughly re-examine their manuscript, remove all repetitions, and take into account remarks that relate to reference and typing and similar errors (perform spelling and grammar check). Introductory part contains too many well known facts on testing methods and Amslers' grid that are not needed for professionals (it has been written as if it was an information brochure for patients).	

Reviewer Details:

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