Reviewer’s report

Title: Driving patterns in older adults with glaucoma

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Reviewer: Aart C Kooijman

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review
Driving pattern in older adults with glaucoma
Suzanne W.van Landingham et al.

The authors describe a well-designed study about driving cessation and driving limitations in subjects with glaucoma or suspected to have or to acquire glaucoma.

The glaucoma suspect group is used as a control group to assess effects in the glaucoma group.

Driving cessation or driving limitations were evaluated using a standardized questionnaire, visual functions related with glaucoma were assessed in the glaucoma clinic.

Though the manuscript is clearly written I would prefer that some more practical data were added in addition to the statistical analyses.

1. (discretionary) For example, at page 7, last paragraph, “Among glaucoma subjects, … (OR=2.0 for each 5 DB decrement .. (Figure 2)”. What means OR=2 in relation to the number of subjects that ceased driving. In figure 2? I can see that comparing at 10 and 30 dB decrement about 4 times more subject with 30 dB decrement ceased driving. Thus 20 dB extra loss correspond with 4 times: 5 dB correspond with about 1.4 times more subjects that stop driving. That’s what I would tell someone if I had to explain the data. How does it relate to an OR = 2?

This might apply to other statistically significant results.

Other remarks to improve the manuscript:

2. (major compulsory) Page 7, 3rd paragraph: “Glaucoma subjects also had a greater mean number of driving limitations .. (Figure 1)”, but in figure 1 I see no comparison between glaucoma suspects and glaucoma subjects, only a visual field loss scale. As glaucoma subjects and suspects both are allowed to have a visual field loss defect in the range 3-5dB this figure does not indicate a clear separation between the two groups. The mean level in the severe group is not visible in the figure.

3. (minor) Pag 9. Paragraph title: Discussion and conclusions
4.(minor) Pag 11. 7 lines from below: remove 1x “than better”

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

'I declare that I have no competing interests’