Reviewer’s report

Title: Structural changes of the macula and optic nerve head in the remaining eyes after enucleation for retinoblastoma: an optical coherence tomography study

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Reviewer: Annette Moll

Reviewer's report:

This study describe the possible structural changes of the macula and optic nerve head in the free eyes of unilateral cured retinoblastoma patients and, also after enucleation using spectral domain optical coherence tomography. The authors conclude that retinoblastoma eyes are characterized by thinning of central fovea, GCL, GCC compared to the control group. After unilateral enucleation, increased GCC and pRNFL thicknesses were detected compared to retinoblastoma group.

In general: in my opinion the article is too long. There is too much background information in the introduction, which is not all necessary for the purpose of this study. A lot of information (results) is duplicated in tables and text. Too many figures. Methods as how an optic nerve head scan is made could be in an appendix. Also details of information for macula scan. Interesting discussion, but too long.

I have few comments for the authors:

109 and 116: could you please explain which patients are in group II?

As they must have unilateral disease with a preserved eye (109) and "Exclusion criteria were (116) newly diagnosed RB cases and those of less than one year of follow up following complete stoppage of systemic chemotherapy and / or transpupillary diode laser thermotherapy, patients received external beam radiotherapy, brachytherapy and local injections of chemotherapeutic agents as a modality of treatment, Also tumors affecting the macular region (edge of tumor was less than 3 mm from fovea) or were juxtapapillary or associated with localized subretinal fluid or retinal detachment either at time of diagnosis or later on, staging of the disease as Group (C) and (D) at diagnosis according to international intraocular classification of RB [12], also unilateral RB cases with treated tumors of more than 3 mm in base diameter and height and presence of an extraocular disease." Only unilateral group A patients? How were they treated?

127: at what age was a SAP possible?
at what age was a OCT possible?

Results section: please give also the median and range

there is a difference between RBp function between human and animal, difficult to.

could you explain the reference to a QoL study in this context (study about OCT measurements).

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

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