Reviewer's report

Title: Report of Two Cases of Posterior Choroidal Leiomyoma Pathology Features and the Results of Treatment

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Reviewer: Paul T. Finger

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Report of Two Cases of Posterior Choroidal Leiomyoma Pathology Features and the Results of Treatment

The authors describe two interesting cases of posterior choroidal leiomyoma and their management with endo-resection. It is a well written manuscript and highlights the salient features of these lesions.

Suggestions for changes or corrections follow:

1. Title could be shortened.
2. Abstract: The best corrected visual acuity is mentioned in logMAR. A conversion to Snellen equivalent would be easier for the readers to understand.
4. Page 2, Background, Line 52: Intraocular leiomyoma can occur in iris, ciliary body and posterior choroid. The treatment choice is based on tumor location and size. It's unfair to mention enucleation as a common management tool without proper context.
5. The case description would be more comprehensive if some clinical details (if available) could be facilitated:
   a. Associated systemic (uterine) fibroids
   b. Trans-scleral transillumination
   c. Suprachoroidal location on ultrasound
   d. PET-CT scan
6. Page 3, Case 1, Line 62: differential should include amelanotic melanoma.
7. Were HMB-45/Melan A performed for the case1 and HMB-45 for case 2? HMB-45 is more specific for immature melanocytes and a negative report would help rule out melanoma.
8. It is nearly impossible to diagnose a leiomyoma from uveal melanoma without a histopathology and immunohistochemistry. For example, your case 1 had a mushroom shaped lesion and case 2 had a dual circulation on fluorescein angiography, features more suggestive of uveal melanoma. In case of uveal melanoma, endoresection is fraught with risk of incomplete excision and recurrence. The latter is known to increase risk of metastatic disease by 6.3x. (Ophthalmic Oncology Task Force. Local recurrence significantly increases the risk of metastatic
uveal melanoma. Ophthalmology. 2016;123(1):86e91). What was the clinical decision-making process in these cases?


**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.

No

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

No

**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.

Not relevant to this manuscript

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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