

Abnormal Findings: Retina (MP:0009772, 0003727), Iris (MP:0001322), Lens (MP:0001304), Vitreous (MP:0001289, 0002700).

EYE Phenotype



Cornea:

6/6. Normal corneal epithelium, stroma, and endothelium.



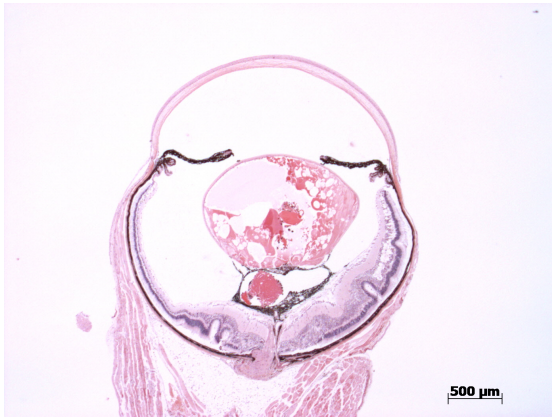
Anterior chamber:

6/6. The anterior chamber was normal depth, except one eye was very deep. There were no cells, and the angle appeared open.



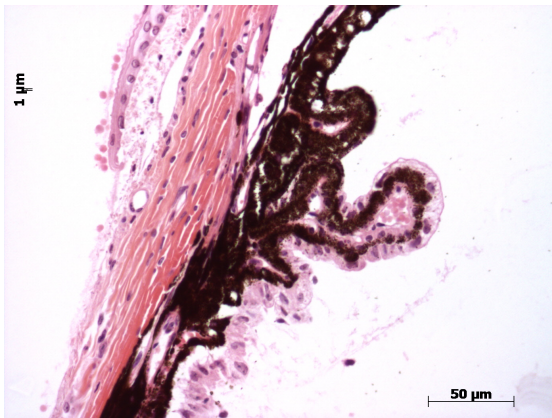
Iris:

2/6. The iris was stunted in one eye and fused to the lens in one eye. Otherwise, the iris showed normal pigmentation without rubeosis or pupillary membranes.



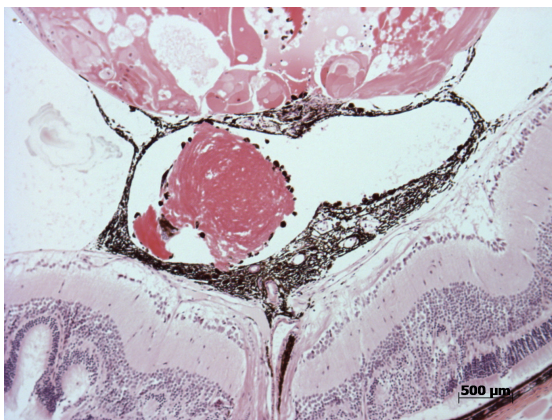
Lens:

2/6. There was cataractous changes in two eyes. There were pigmented cells on the posterior lens capsule.



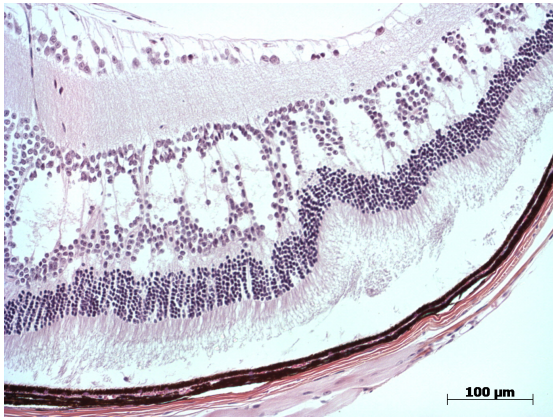
Ciliary body:

6/6. Normal stroma, pigmented and nonpigmented layers were present along with cilia.



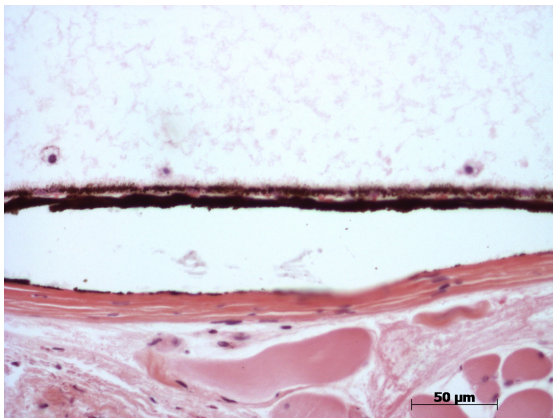
Vitreous:

6/6. There were pigmented cells, nodules, and cells in the vitreous.



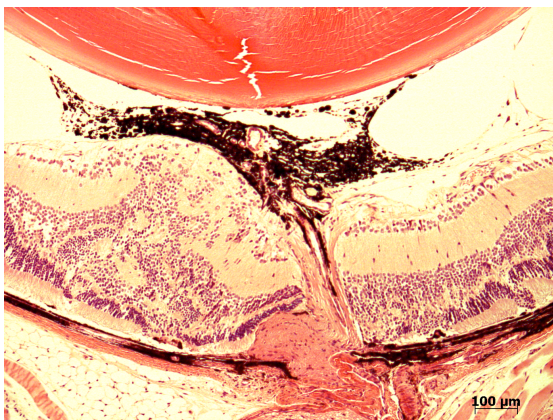
Retina:

6/6. The inner and outer nuclear layers were disorganized with focal folds and thickening.



Retinal pigment epithelium and Choroid:

6/6. Normal pigmentation. Bruch's membrane is intact. No neovascular membranes were noted.



Optic Nerve:

2/6. There is a pigmented membrane extending from the optic nerve into the vitreous. The nerve is thin.

Methods. 6 eyes from 3 male mice were enucleated by blunt dissection and fixed. Pupil-optic nerve sections were processed with hematoxylin and eosin, and standard images were captured under light microscopy for review.