



**Ocular disorders known or presumed to be inherited (published)**

	<b>Diagnosis</b>	<b>Description and comments specific to the breed</b>	<b>Inheritance</b>	<b>Gene/ marker test</b>	<b>References</b>
<b>A</b>	Persistent pupillary membranes		Unknown	NO	1-6
<b>B</b>	Progressive Retinal Atrophy (PRA) Bas_PRA1	First diagnosed when dogs are, on average, five years of age	Autosomal recessive	S-antigen (SAG)	7,8
<b>C</b>	Optic nerve coloboma		Unknown	NO	4

**The ECVO's advice relating to hereditary eye disease control**

Please see ECVO Manual chapter 8: VET Advice

**Recommendations regarding age and frequency for eye examinations**

Please see ECVO Manual chapter 7: ECVO Age and Frequency recommendations

**Other ocular disorders (reported)**

	<b>Diagnosis</b>	<b>Source</b>
<b>A</b>	Corneal dystrophy -epithelial/stromal -endothelial	ACVO genetics committee
<b>B</b>	Cataract	ACVO genetics committee

**References**

1. Roberts SR, Bistner SI. Persistent pupillary membrane in Basenji dogs. J Am Vet Med Assoc. 1968;153(5):533-42.
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4. Barnett KC, Knight GC. Persistent pupillary membrane and associated defects in the Basenji. Vet Rec. 1969;85(9):242-8.
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6. Bistner S, Rubin LF, Roberts SR: A review of persistent pupillary membranes in the Basenji dog. J Am Anim Hosp Assoc 1971;(7):143.
7. Priester WA. Canine progressive retinal atrophy. Occurrence by age, breed and sex. Am J Vet Res 1974;35:571.
8. Goldstein O, Jordan JA, Aguirre GD, Acland GM. A non-stop S-antigen gene mutation is associated with late onset hereditary retinal degeneration in dogs. Mol Vis (2013) 27;19:1871-84.