



**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>	Glaucoma	PLA, progressive	Unknown	NO	2,3,4,5,8
<b>B</b>	Distichiasis	Ectopic cilia. Dogs older than 6 months, upper and/or lower eyelid	Unknown	NO	1,2
<b>C</b>	Entropion	Lower eyelid; dogs < 1y.o.	Unknown	NO	1,2
<b>D</b>	Cataract	1. Anterior cortical striate subcapsular; mostly in dogs 5-8 y.o.; slowly progressive 2. Posterior polar cortical subcapsular; 2-4 y.o. 3. Anterior Y-suture, punctate, very slowly progressive	Unknown	NO	1,2,7
<b>E</b>	Progressive Retinal Atrophy (PRA)	Night blindness 3-5 y.o.	Unknown	NO	1,2

F	Chorioretinopathy	2-10 y.o. uni- or bilateral ;probably chorioretinitis derived from external factors (parasites) together with an X-linked predisposition (75% of the affected dogs are males)	Unknown	NO	6
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### **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)**

	Diagnosis	Source
A	Corneal dystrophy -epithelial/stromal	ACVO genetics committee
B	Persistent pupillary membranes -iris to iris	ACVO genetics committee

## References

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3. Read RA, Wood JLN, Lakhani KH. Pectinate ligament dysplasia and glaucoma in Flat- Coated Retrievers. I. Objectives, technique and results of a pectinate ligament dysplasia survey. *Vet Ophthalmol* 1(2-3):85, 1998.
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5. Pearl R, Gould DJ & Spiess B. Progression of pectinate ligament dysplasia over time in two populations of Flat-Coated Retrievers. *Vet Ophthalmol* 18:6-12, 2015.
6. Narfstrom K. Differences between hereditary and nonhereditary eye disease: some hints for the clinician. Proc HED diseases, ECVO meeting, Trieste: 25-29, 2012
7. Garmer L. "The International Working Group on International Disease" 5th meeting, Paris 2005-09-24/25
8. Oliver JA, Ekiri A, Mellersh CS. Prevalence of pectinate ligament dysplasia and associations with age, sex and intraocular pressure in the Basset Hound, Flat-Coated Retriever and Dandie Dinmont Terrier. *Can Genet Epidemiol* 2016 March 12;3:1doi: 10.1186/s40575-016-0033-1.