



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Chronic superficial keratitis/pannus		Unknown	NO	1,5,6,7
B	Corneal dystrophy -superficial -middlestroma	Between 3 and 5 years of age	Unknown	NO	6
C	Persistent pupillary membranes -iris to iris		Unknown	NO	6
D	Cataract	Mostly located in the cortex or capsule	Unknown	NO	7
E	Lens luxation	3-5 y.o.	Unknown	NO	5,6
F	Persistent hyperplastic tunica vasculosa lentis/ persistent hyperplastic primary vitreous (PHTVL/ PHPV)		Unknown	NO	4,5,6

G	Vitreous degeneration		Unknown	NO	7
H	Progressive Retinal Atrophy (PRA)	Affects relatively young dogs. Nyctalopia is not usually present early in the disease.	Unknown	NO	2,3,5,6
I	Optic nerve hypoplasia		Unknown	NO	5,6

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	Cataract	ACVO genetics committee
B	Vitreous degeneration	ACVO genetics committee

References

1. Peiffer RL, Gelatt KN, Gwin RW: Chronic superficial keratitis (pannus) in related Greyhounds. Vet Med Small Anim Clin 1977;72:35
2. Slatter DH, et al. Retinal Degeneration in greyhounds. Aust Vet J 1980;56:106

3. Ling T, Smith J. Tinted contact lenses for treatment of retinal degeneration in a Greyhound. *J Am Vet Med Assoc* 1986;188:65-7
4. Grimes TD, Mullaney J. Persistent hyperplastic primary vitreous in a Greyhound. *Vet Rec* 1969;85:607
5. Rubin LF. Inherited eye diseases in purebred dogs. *Williams & Wilkins* 1989, pag. 165-167.
6. Chaudieu G. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. *Ed. du Point Vétérinaire*, 2014, pag.318-319.
7. Lynch GL. Ophthalmic examination findings in a group of retired racing Greyhounds. *Vet Ophthalmol* 2007;10, 6:363-367.