



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Cataract	Posterior cortical; 1,5-3 y.o.	Unknown	NO	1,2,3,4
B	Persistent hyperplastic tunica vasculosa lentis/ Persistent hyperplastic primary vitreous (PHTVL/ PHPV)		Presumed autosomal recessive	NO	1,3,4
C	Corneal dystrophy -stromal -endothelial	1. stromal: Clinically evident by 18 months of age 2. endothelial: 7-11 y.o.	Unknown	NO	1,2
D	Glaucoma	3-4 y.o. or 7-8 y.o. PLA	Unknown	NO	1,2
E	Lens luxation	>4 y.o.	Unknown	NO	1
G	Chronic Superficial Keratitis	Usually in dogs >7 y.o.	Unknown	NO	2

H	Vitreous degeneration	Usually in old dogs (>9 y.o.)	Unknown	NO	1
I	Progressive Retinal Atrophy (PRA)	5-7 y.o.	Presumed autosomal recessive	NO	1,2

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	Persistent pupillary membranes - iris to iris	ACVO genetics committee
B	Optic nerve hypoplasia	ACVO genetics committee
C	Micropapilla	ACVO genetics committee
D	Distichiasis	ACVO genetics committee

References

1. Chaudieu G. , Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. Ed. du Point Vétérinaire 2013; 162-164.
2. Rubin LF. Inherited eye diseases in purebred dogs. Williams & Wilkins. 1989; 200-201.

3. Leppänen M, Mårtenson J, Mäki K: Results of ophthalmologic screening examinations of German Pinschers in Finland – a retrospective study. *Vet Ophthalmol* 3:165-169, 2001.
4. Pfahler S, Menzel J, Brahm R, Rosenhagen CU et al. Prevalence and formation of primary cataracts and persistent hyperplastic tunica vasculosa lentis in the German Pinscher population in Germany. *Vet. Ophthalmol.* 18(2):135-140, 2015.