German Shorthaired Pointer	

Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Eversion of the cartilage of the nictitating membrane	Scroll-like curling of the cartilage of the third eyelid, uni- or bilateral, occurs in puppies (6 to 12 weeks)	Unknown	NO	1,2,3
B	Primary hyperplastic tunica vasculosa lentis/ Primary hyperplastic primary vitreous (PHTVL/PHPV)		Unknown	NO	2,4
C	Progressive Retinal Atrophy (PRA)		Unknown	NO	1,2,5
D	Cone Degeneration (CD achromatopsia)	Early cone degeneration; day blindness between 8 and 12 weeks of age	Autosomal recessive	CNGB3	2,6
E	Entropion	Lower lateral eyelid; between 6 and 10 weeks	Unknown	NO	1,2

F	Prolapsed gland of the nictitating membrane	Between 2 and 6 months of age	Unknown	NO	2
G	Corneal dystrophy - endothelial		Unknown	NO	8
H	Cataract	Triangular polar subcapsular cortical cataract; between 6 and 18 months of age	Unknown	NO	1,2
I	Neuronal Ceroid Lipofuscinosis	Only males affected; ataxia, visual disturbances at 3 months of age; they die between 1 and 8 years of age	X-linked recessive	NO	1,2,7

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	ACVO genetics committee
B	Distichiasis	ACVO genetics committee

C	Ectropion	French National Panel
D	Glaucoma	French National Panel
E	Multifocal Retinopathy	French National Panel
F	Persistent hyaloid artery	ACVO genetics committee
G	Retinal dysplasia -folds	ACVO genetics committee

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