



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Entropion	<2 y.o. mostly lower lateral eyelid sometimes also upper lateral eyelid Some dogs have dorsolateral entropion associated with trichiasis	Unknown	NO	6,7
B	Ectropion with macroblepharon	Lower median eyelid	Unknown	NO	6,7
C	Distichiasis	Young dogs between 3 months and 1 year of age	Unknown	NO	6,7
D	Ectopic cilia	Young dogs; upper conjunctiva	Unknown	NO	6,7
E	Prolapsed gland of the nictitating membrane	Young dogs ; usually between 2 and 6 months	Unknown	NO	1,2,3

F	Keratoconjunctivitis sicca	Between 4 -7 y.o. ; bilateral and progressive	Unknown	NO	4,5,6,7
G	Uveal cysts		Unknown	NO	6,7
H	Cataract	1. nuclear and perinuclear cataract ; between 1-2 y.o. ; slowly progressive 2. posterior cortical cataract ; between 1-3 y.o.	Unknown	NO	6,7
I	Progressive Retinal Atrophy (PRA)		Unknown	NO	6,7
J	Retinal dysplasia -multifocal		Unknown	NO	6,7
K	Canine multifocal retinopathy- cmr1		Autosomal recessive	BEST1	8,9

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
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References

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7. Chaudieu G. Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed. Ed. du Point Vétérinaire 2013;175-177.
8. Guziewicz KE, Slavik J, Lindauer SP et al. Molecular consequences of BEST1 gene mutations in canine multifocal retinopathy predict functional implications for human bestrophinopathies. *IOVS* 52(7) 2011; 4497-505.
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