



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Macroblepharon	Oversized, lid fissure, often with ectropion, diamond-shaped	Unknown/ presumed polygenic	NO	1,2,3,4
B	Entropion	Lateral canthus	Unknown/ presumed polygenic	NO	1,2,3,4
C	Ectropion	With macroblepharon, diamond shaped, breed standard tolerates this condition	Unknown/ presumed polygenic	NO	1,2,3,4
D	Distichiasis		Unknown	NO	1,2,3,4
E	Cataract	Posterior cortical, usually in young dogs (< 2 y.o.)	Unknown	NO	1,2,3,4
F	Persistent pupillary membranes (PPM) -iris to iris		Unknown	NO	3

G	Prolapsed gland of the nictitating membrane		Unknown	None	1,2,3,4
H	Keratoconjunctivitis sicca		Unknown	None	1,2,4
I	Persistent hyperplastic tunica vasculosa lentis/ Persistent hyperplastic primary vitreous (PHTVL/ PHPV)		Unknown	None	1,2,4
J	Retinal dysplasia focal/multifocal		Unknown	None	1,2,3,4
K	Dermoid	Corneo-conjunctival Lateral canthus	Unknown	None	1,2,3,4
L	Corneal dystrophy		Unknown	None	4
M	Trichiasis		Unknown	NO	4
N	Progressive Retinal Atrophy (PRA)		Unknown	NO	4

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

1. Guandalini A, Peruccio C, Pizzirani S, Crasta M, D'Anna N. Ocular disorders presumed to be inherited in three Italian breeds: Italian Spitz, Neapolitan Mastiff and Cane Corso. ECVO/ESVO Annual Meeting, Stockholm (Sweden), 23-26/08/2001
2. Guandalini A. Inherited eye diseases in the Italian Breeds. ECVO Satellite Meeting, Trieste (Italy), 27/05/2012
3. Chaudieu G, Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. Ed. du Point Vétérinaire 2nd ed. 2013, pp. 195-196.
4. Guandalini A, Di Girolamo N, Santillo N, Andreani V, Corvi R, Bandini M, Peruccio C. Epidemiology of ocular disorders presumed to be inherited in three large Italian dog breeds in Italy. *Vet Ophthalmol* 20(5):420-426,2017.