

Italian Greyhound	
--------------------------	--

Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Corneal dystrophy	Focal opacification at the level of Descemet's membrane in young dogs	Unknown	NO	3,4
B	Persistent Pupillary Membranes (PPM); - iris to iris		Unknown	NO	1,6
C	Cataract	1. Posterior subcapsular and cortical (early appearance- 2-3 y.o.) 2. Anterior cortical and equatorial	Unknown	NO	1,3,4,6
D	Vitreous degeneration	-anterior chamber -syneresis Both increasing with age	Unknown	NO	1,3,4,6,7
E	Retinal dysplasia focal/ multifocal		Unknown	NO	1,4,6

F	Progressive retinal atrophy (PRA)	The disease has been observed in an advanced stage clinically by 4 y.o.	Autosomal recessive	IG-PRA1	2,3,4,5
G	Optic nerve hypoplasia	Uni- or bilateral	Unknown	NO	3,4

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
A	Lens luxation (PLL)	ACVO genetics committee
B	Persistent hyaloidartery	ACVO genetics committee
C	Collie Eye Anomaly (CEA)	ACVO genetics committee

References

1. Guandalini A. Inherited eye diseases in the Italian Breeds. ECVO Satellite Meeting, Trieste (Italy), 27/05/2012
2. Data from www.optigen.com. Italian Greyhound PRA-1 (IG-PRA1)
3. Rubin LF. Inherited eye diseases in purebred dogs. Williams & Wilkins 1989, pag. 177-178

4. Chaudieu G, Chahory S Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed, Ed. du Point Veterinaire, pp.482-483.
5. Goldstein O, Pearce-Kelling SE, Aguirre GD et al. Adult onset autosomal recessive hereditary retinal degeneration in italian greyhound dogs. IOVS 2011 ; 52 :4350-4351.
6. Guandalini A, Di Girolamo N, Corvi R, Santillo D, Andreani V, Pinzo B. Epidemiology of ocular disorders presumed to be inherited in three small Italian dog breeds in Italy. Vet. Ophthalmol. (2018) 21, 5, 524-529.
7. Krishnan H, Diehl K, Stefanovski D, Aguirre GD. Vitreous degeneration and associated ocular abnormalities. Vet Ophthalmol. (2019) 23, 2, 219-224.