



**Ocular disorders known or presumed to be inherited (published)**

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
<b>A</b>	Entropion	Medial lower eyelid	Unknown	NO	2,4,5,6
<b>B</b>	Keratoconjunctivitis sicca (KCS)	5-7 y.o.	Unknown	NO	2,4,5,6
<b>C</b>	Corneal dystrophy -stromal		Autosomal recessive	NO	2,5,6
<b>D</b>	Persistent Pupillary membranes, - iris to iris		Unknown	NO	2,4,5,6
<b>E</b>	Iris hypoplasia		Unknown	NO	2,5,6
<b>F</b>	Cataract	Anterior and posterior cortical	Unknown	NO	1,2,4,5,6
<b>G</b>	Vitreous degeneration		Unknown	NO	2,5
<b>H</b>	Progressive Retinal Atrophy (PRA)	Affected dogs 4-7 y.o.	Presumed autosomal recessive	NO	2,3,4,5,6

<b>I</b>	Glaucoma	6-16 y.o. (mostly seen from 9 years)	Unknown	NO	2,3,4,5,6
<b>J</b>	Retinal dysplasia - multifocal - geographic	Generally in the dorsal quadrant	Presumed autosomal recessive	NO	2,3,4,5,6
<b>K</b>	Prolapsed gland of the nictitating membrane		Unknown	NO	2,5,6
<b>L</b>	Distichiasis		Unknown	NO	2,4,5,6

### **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)**

	<b>Diagnosis</b>	<b>Source</b>
--	------------------	---------------

### **References**

1. Gelatt KN and EO Mackay. Prevalence of primary breed-related cataracts in the dog in North America. Vet Ophthalmol. 2005 Mar-Apr;8:101-111.
2. Guandalini A. Inherited eye diseases in the Italian Breeds. ECVO Satellite Meeting, Trieste (Italy), 27/05/2012
3. Rubin LG. Inherited eye diseases in purebred dogs. Williams & Wilkins, 1989, pag.197-198

4. Chaudieu G. Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. Ed. du Point Vétérinaire, 2nd Ed, 2013, pag.415-416.
5. Corvi R. Studio epidemiologico delle malattie oculari presunte ereditarie (PIED) in 6 razze canine italiane. PhD Thesis, University of Teramo, 2016
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.