



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Entropion	Lower lateral, possibly associated with blepharophimosis /micropalpebrae	Autosomal dominant with incomplete penetrance suspected	NO	1
B	Distichiasis	Rare	Unknown	NO	1
C	Corneal dystrophy Epithelial/Stromal.	Rare, dogs > 6 y.o.	Unknown	NO	2
D	Persistent pupillary membranes - iris to iris		Unknown	NO	1, 3
F	Pectinate ligament anomaly		Unknown	NO	1, 4, 8
G	Cataract	Posterior cortical, 2 forms : juvenile, and dogs > 2 y.o	Unknown	NO	4
H	Lens luxation	5-6 y.o dogs affected	Unknown	ADAMTS17 gene	1, 3, 5-7
I	Retinal dysplasia	Rare	Unknown	NO	2

J	Persistent hyperplastic tunica vasculosa lentis/ Persistent hyperplastic primary vitreous (PHTVL/PHPV)	Grade 2-6 observed	Unknown	NO	1
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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. Chaudieu G, Chahory S (2013) Affections oculaires héréditaires ou à prédisposition héréditaire chez le chien. Rueil-Malmaison : Ed. du Point Vétérinaire, Wolters Kluwer France, 234-235.
2. Chaudieu G (1999) Anomalies oculaires multiples chez un Welsh Terrier : dégénérescence cornéenne périphérique, cataracte, persistance du vitré primaire hyperplasique, dysplasie rétinienne avec atrophie tapeto-rétinienne. Prat Med Chir Anim Comp 34 : 255-256.
3. Rubin LF (1989) Inherited diseases in purebred dogs. Williams & Wilkins, Baltimore, 293-294.
4. MARTIN CL WYMAN M (1978) Primary glaucoma in the dog. Vet Clin North Amer Small Anim Pract 8 : 257-286.
5. CURTIS R BARNETT KC (1980) Primary lens luxation in the dog. J Small Anim Pract 21 : 657-658.

6. CURTIS R (1990) Lens luxation in the dog and cat. *Vet Clin North Amer Small Anim Pract* 20 : 755-772.
7. GOULD D et al (2011) ADAMTS17 mutation associated with primary lens luxation is widespread among breeds. *Vet Ophthalmol.* 14(6):378-84.
8. Finnish Kennel Club database 2012-2015