



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Entropion	Lateral inferior or lateral canthal :16 w.o.-18 m.o. dogs	Unknown	NO	1
		Medial inferior: 4-12 m.o. dogs	Unknown		
C	Distichiasis		Unknown	NO	2
D	Eversion of the cartilage of the nictitating membrane	6-12 w.o. dogs	Unknown	NO	1
F	Corneal dystrophy - stromal	Middle/deep stroma, microcristallyne, 2-4 y.o. dogs	Unknown	NO	1, 2
G	Chronic superficial keratitis	Dogs > 4 y.o.	Unknown	NO	1, 2
H	Cataract	Cortical, 1-3 y.o. dogs, evolutive	Presumed autosomal dominant	NO	1-3
I	Lens luxation	4-8 y.o. dogs	Unknown	NO	1

J	Progressive Retinal Atrophy (PRA)	3-4 y.o. dogs, night blindness around 6 y. of age	Autosomal recessive	NO	1, 2, 4-6
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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
A	Ectropion	French panel
B	Persistent pupillary membranes -iris to iris	ACVO Genetics Committee
C	Retinal dysplasia -folds	ACVO Genetics Committee

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, 344-346.
2. Rubin LF (1989) Inherited diseases in purebred dogs. Williams & Wilkins, Baltimore, 293-294.
3. Host P, Sveinson S (1936) Arzelig katarakt hos hunder . Norsk Vet Tidsskr 48 : 244-270.
4. Barnett KC (1976) Comparative aspects of canine hereditary disease. Adv Vet Sci Comp Med 20 : 39-68.

5. Priester WA (1974) Canine progressive retinal atrophy occurrence by ages breed and sex. *Amer J Vet Res* 35 : 571-574.
6. Chaudieu G (1992) Affections dysplasiques et dégénératives de la rétine du chien. Revue de la littérature et observations personnelles. Etude spéciale des lésions à caractère localisé. *Prat Méd Chir Anim Comp* 27 : 647-677.