Briard	

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	Unknown	NO	1
B	Persistent pupillary membrane - iris to iris	Iris to cornea and iris to lens rare	Unknown	NO	1
C	Cataract	Cortical, posterior, 3 y.o dogs affected	Unknown	NO	1
D	Retinal pigment epithelial dystrophy (rped)	1,5-5 y.o. dogs affected	Presumed autosomal recessive	NO	2, 3
E	Congenital stationary night blindness (csnb/Canine LCA-Leber congenital amaurosis)/retinal dystrophy	Night blindness/blindness in puppies (8-10 w.o.) with normal fundus	Autosomal recessive	RPE65	4 -7

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	Personal observations, G. Chaudieu
B	Corneal dystrophy, stromal	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, 234-235.

2. Rubin LF (1989) Inherited diseases in purebred dogs. Williams & Wilkins, Baltimore, 293-294.

3. Bedford PGC (1984) Retinal pigment epithelial dystrophy (CPRA): study of the disease in the Briard. J Small Anim Pract 25: 129-138.

4. Narfström K et al (1989) The Briard dog: a new animal model of congenital stationary night blindness. Brit J Ophthalmol 73: 750-756.

5. Roze M et al (1991) Un modèle animal possible pour les hérédodégénérescences tapeto-rétiniennes humaines. Ophtalmol 5 47-52.

6. NarfströmK (1994) Retinal dystrophy in the Briard dog: clinical and hereditary characteristics. Vet Ophthalmol 4: 85-93.

7. Veske A et al (1999) Retinal dystrophy of Swedish briard/briard-beagle dogs is due to a 4 b-p deletion in RPE 65. Genomics, 57: 57-61.