



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Microphthalmia with multiple ocular anomalies		Unknown	NO	1,2
B	Plasmoma	Plasma cell infiltration, third eyelid	Unknown	NO	1,2
C	Persistent pupillary membranes -iris to iris		Unknown	NO	1,2
D	Cataract	1. Posterior cortical ; between 1-4 y.o. 2. Nuclear cataract (fibrillar); between 4-6 y.o.	Unknown	NO	1,2
E	Retinal degeneration	Uni- or bilateral; asymmetrical lesions; can progress to generalized retinal atrophy	Presumed autosomal recessive	NO	1,2,3
F	Focal retinopathy	Usually present by 18 months of age	Unknown	NO	1,2,4,5

G	Optic nerve hypoplasia	Usually unilateral	Unknown	NO	1,2
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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	Corneal dystrophy	ACVO genetics committee
B	Micropapilla	ACVO genetics committee

References

1. Rubin LF: Inherited Eye Diseases in Purebred Dogs, Williams & Wilkins, 1989; 44-48
2. Chaudieu G, Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. Ed du Point Vétérinaire 2nd ed. 2013; 470-473
3. Scagliotti R and MacMillan A: Retinal degeneration in the Borzoi. A preliminary report. Proc Am Coll Vet Ophthal 8:67, 1977.
4. Storey, E. S., and Grahn, B. H, et al: Multifocal Chorioretinal Lesions in Borzoi Dogs. Vet Ophthalmol 8, 377-347, 2005.
5. Chaudieu, G: PS4- An Update on Retinopathy in Borzois in France. An Assessment of 350 Examinations (1990-1998). ECVO Proceedings, 1999 p54.