

Bernese Mountain Dog	
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Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Progressive Retinal Atrophy (PRA)	An early-onset retinopathy can be detected by ophthalmoscopy and behavioral studies by 1 y.o. The disease seems to be functionally and electro-retinographically similar to the congenital stationary night blindness (retinal dystrophy) seen in the Briard.	Unknown	NO	7,8
B	Systemic Histiocytosis	1.Familial inflammatory non-neoplastic generalized histiocytic proliferative disease Associated ocular lesions: Eyelid masses, conjunctivitis,	1.Unknown	1. NO	1 – 6, 9

		episcleritis, anterior and posterior uveitis, retinal detachments, and glaucoma. 2.Malignant histiocytosis is another familial disease in this breed, which can be associated with ocular lesions	2. Polygenic	2. Pre-Test SH	
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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	Entropion	Swiss national panel
B	Ectropion	ACVO genetics committee
C	Distichiasis	Swiss national panel
D	Persistent pupillary membranes - iris to iris	ACVO genetics committee
E	Cataract	ACVO genetics committee

References

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