

Boykin Spaniel	
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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	Collie Eye Anomaly (CEA)		Autosomal recessive for CH/CRD; for coloboma unknown	NHEJ1	1,2

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	Distichiasis	ACVO genetics committee
B	Corneal dystrophy - epithelial/stromal	ACVO genetics committee

C	Persistent pupillary membranes - iris to iris	ACVO genetics committee
D	Cataract	ACVO genetics committee
E	Persistent hyaloid artery	ACVO genetics committee
F	Retinal dysplasia - folds	ACVO genetics committee
G	Progressive Retinal Atrophy (PRA)	ACVO genetics committee

References

1. Lowe JK, Kukekova AV, Kirkness EF, Langlois MC, Aguirre GD, Acland GM, Ostrander EA. Linkage Mapping of the Primary Disease Locus for Collie Eye Anomaly. *Genomics* (2003) 82(1):86-95.
2. Parker HG, Kukekova AV, Akey DT, Goldstzein O, Kirkness EF, Baysac KC, Mosher DS, Aguirre GD, Acland GM, Ostrander EA. Breed relationships facilitate fine-mapping studies: A 7.8-kb deletion cosegregates with Collie eye anomaly across multiple dog breeds. *Genome Research* (2007): 17, 1562–1571.