Collie **(Rough collie and Smooth collie)**	

Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Microphthalmia		Unknown	NO	1
B	Proliferative kerato-conjuncti-vitis	”Collie granuloma”, focal pink nodules.	Unknown	NO	2
C	Progressive Retinal Atrophy (PRA)	Rod/cone dysplasia type 2 (rcd2). Night blindness at 6 weeks. Total blindness by 1 year	Autosomal recessive	RD3	3,4,5,15
D	Retinal pigment epithelial dystrophy (RPED)	Age of onset usually before 5 years	Unknown	NO	11
E	Stationary night blindness	Rod function abnormal or absent	Presumed autosomal recessive	NO	6
F	Collie Eye Anomaly (CEA)		Autosomal recessive	NHEJ1	7-10, 12,13,14

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 -stromal	ACVO genetics committee
C	Persistent pupillary membranes	ACVO genetics committee
D	Cataract	ACVO genetics committee
E	Persistent hyaloid artery	ACVO genetics committee
F	Retinal dysplasia - folds	ACVO genetics committee

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