


<b>Shetland Sheepdog</b>	
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**Ocular disorders known or presumed to be inherited (published)**

	<b>Diagnosis</b>	<b>Description and comments specific to the breed</b>	<b>Inheritance</b>	<b>Gene/ marker test</b>	<b>References</b>
<b>A</b>	Microphthalmia	Multiple ocular defects, uni or bi-lateral	Unknown	NO	1
<b>B</b>	Distichiasis	Corneal ulcers possibly associated	Autosomal dominant with incomplete penetrance	NO	1-3
<b>C</b>	Punctate keratitis	Young adults affected	Unknown	NO	1
<b>D</b>	Corneal dystrophy - stromal	3 y.o. dogs, anterior microcrystalline, epithelial ulcers possible	Unknown	NO	4, 5
<b>E</b>	Cataract	Posterior cortical, dogs > 2 y.o.	Unknown	NO	1, 5
<b>F</b>	Retinal dysplasia, (multi)focal		Unknown	NO	5

<b>G</b>	Slowly progressing retinopathy (SPR)	Slowly progressive without blindness	Presumed autosomal recessive	NO	6
<b>H</b>	Progressive Retinal Atrophy (PRA)	2-8 y.o dogs diagnosed	Autosomal recessive	CNGA1	7
<b>I</b>	Retinal pigment epithelial dystrophy (RPED)	Dogs > 2-3 y.o., slowly progressive	Unknown	NO	6
<b>J</b>	Collie eye anomaly (CEA)		Autosomal recessive, polygenetic	NHEJ1	5, 8-10
<b>K</b>	Micropapilla		Unknown	NO	5

**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)**

	<b>Diagnosis</b>		<b>Source</b>
<b>A</b>	Persistent pupillary membranes		ACVO Genetics Committee
<b>B</b>	Optic nerve coloboma	Isolated coloboma described in the USA	ACVO Genetics Committee
<b>C</b>	Uveo-dermatologic syndrome		ACVO Genetics Committee

### References

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