



**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>	Distichiasis		Unknown	NO	1
<b>B</b>	Entropion	Lower medial, epiphora	Unknown	NO	1
<b>C</b>	Persistent pupillary membranes	Sporadic ? - Iris to iris	Unknown	NO	1, 2
<b>D</b>	Cataract	1. Posterior cortical, dogs > 1 y.o., progressive > 5 y. of age  2. Nuclear, posterior, dogs > 1 y.o	1.Unknown  2.Unknown	NO	1, 2
<b>E</b>	Lens luxation	Dogs > 18 m.o. (often 2-6 y.o dogs), bilateral	Autosomal recessive	ADAMTS1 7	3-7
<b>F</b>	Persistent hyperplastic tunica vasculosa lentis/Persistent hyperplastic primary vitreous (PHTVL/PHPV)		Unknown	NO	1

<b>G</b>	Progressive Retinal Atrophy (PRA)	1. PRA3: diagnosed around 4 y. of age (sometimes earlier)	Autosomal recessive	1. FAM161A	8-12
		2. rcd4: older dogs affected, extremely variable progression	Autosomal recessive	2. C2orf71	
<b>H</b>	Ceroid lipofuscinosis	Night blindness around 2 m., fundus modifications in 3-4 y.o. dogs	Autosomal recessive	ATP13A2	13-16

**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>	Corneal dystrophy, stromal (microcrystalline)	2
<b>B</b>	Posterior lenticonus. Encountered in France 15 years ago (dogs coming from U.S.A.)	French Eye Panel
<b>C</b>	Vitreous degeneration	ACVO genetics committee

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