


<b>Leonberger</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>	Cataract	Posterior nuclear and cortical cataract rapidly progressive; between ½-2 y.o dogs	Unknown	NO	1,2
<b>B</b>	Glaucoma	Pectinate ligament anomaly seems to be frequent; acute glaucoma more rarely observed	Unknown	NO	1,3,4
<b>C</b>	Entropion	Lower lateral eyelid	Unknown	NO	1
<b>D</b>	Ectropion with macrophearon		Unknown	NO	1
<b>E</b>	Persistent pupillary membranes		Unknown	NO	1
<b>F</b>	Lens luxation	Dogs 1,5 - 2,5 y.o.	Unknown	NO	1

<b>G</b>	Persistent hyperplastic tunica vasculosa lentis/ Persistent hyperplastic primary vitreous (PHTVL/ PHPV)		Unknown	NO	1
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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)**

	<b>Diagnosis</b>	<b>Source</b>
<b>A</b>	Eversion of the cartilage of the nictitating membrane	ACVO genetics committee French National panel
<b>B</b>	Distichiasis	ACVO genetics committee
<b>C</b>	Uveal cysts	ACVO genetics committee

## References

1. Chaudieu G, Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed. Ed. du Point Vétérinaire 2013;190-192.
2. Heinrich CL, Lakhani KH, Featherstone HJ, et al. Cataract in the UK Leonberger population. *Vet Ophthalmol*. 2006 Sep-Oct;9: 350-356.
3. Hansen PA. Evaluation of the pectinate ligament dysplasia in a sample of the Leonberg dog population in Belgium. *Proc ECVO/ESVI/ISVO meeting, Lyon (F)*, 38.
4. Fricker GV, Smith K, Gould DJ. Survey of the incidence of pectinate ligament dysplasia and glaucoma in the UK Leonberger population. *Vet Ophthalmol* 19(5):379-385, 2016.