

Coton de Tuléar	
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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	Multifocal retinopathy	cmr2 The lesions appear between 2-6 m.o.; initially multifocal bullous retinal detachments (gray-tan-pink) nonprogressive or with minimal progression beyond 1 y.o.; the bullae appear to gradually lose the serous subretinal fluid after 4-5 years of age. Most of the dogs do not have visual problems.	Autosomal recessive	BEST1 CMR2	1,2,3,4

### 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>	Microphthalmos	French National Panel
<b>B</b>	Entropion medial lower eyelid	French National Panel
<b>C</b>	Atresia of lacrimal punctum	French National Panel
<b>D</b>	Distichiasis	French National Panel ACVO genetic committee
<b>E</b>	Corneal dystrophy - epithelial/stromal	French National Panel ACVO genetic committee
<b>F</b>	Persistent pupillary membranes	ACVO genetic committee French National Panel
<b>G</b>	Cataract	ACVO genetic committee French National Panel
<b>H</b>	Vitreous degeneration	ACVO genetic committee
<b>I</b>	Progressive Retinal Atrophy (PRA)	ACVO genetic committee French National Panel
<b>J</b>	Retinal dysplasia	ACVO genetic committee

**References**

1. Chaudieu G, Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed. Ed. du Point Vétérinaire 2013;417-419.
2. Grawels M. Multiple retinopathy in a population of Coton de Tulear dogs. Proc ECVO/ESVO/GEMO/ISVO Joint Meeting, Lyon (France), 57, 1999.
3. Guziewicz KE, Zangerl B, Lindauer SJ, et al. Bestrophin gene mutations cause canine multifocal retinopathy: A novel animal model for best disease. Investigative Ophthalmol & Visual Science, 48:1959-1967, 2007.

4. Grahn, BH, Sandmeyer, LL, Breaux, C: Retinopathy of Coton de Tulear dogs: clinical manifestations, electroretinographic, ultrasonographic, fluorescein and indocyanine green angiographic, and optical coherence tomographic findings. *Vet Ophthalmol* 11(4):242-249, 2008.