



**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 and multiple ocular anomalies	Chorioretinal hypoplasia and retinal colobomas	Unknown	RBP4	1,4,5
<b>B</b>	Persistent pupillary membranes - iris to iris		Unknown	NO	2, 4
<b>C</b>	Cataract	Anterior cortical	Unknown	NO	2, 4
<b>D</b>	Persistent hyaloid artery		Unknown	NO	3, 4
<b>E</b>	Progressive Retinal Atrophy (PRA)	Night blindness 1,5-2 y.o.	Suspected autosomal recessive	NO	2, 4
<b>F</b>	Micropapilla ; optic nerve hypoplasia	rare	Unknown	NO	2, 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)

	Diagnosis	Source
<b>A</b>	Distichiasis	ACVO genetics committee
<b>B</b>	Corneal dystrophy -epithelial/stromal	ACVO genetics committee
<b>C</b>	Retinal dysplasia -folds	ACVO genetics committee
<b>D</b>	Choroidal hypoplasia	ACVO genetics committee

## References

1. Van der Woerd A et coll (1995) Multiple ocular anomalies in two related litters of Soft Coated Wheaten Terriers. Vet Comp Ophthalmol 5 : 78-82 .
2. Rubin LF (1989) Inherited eye diseases in purebred dogs. Williams & Wilkins, Baltimore, 280-281
3. Stades FC (1980) Persistent hyperplastic tunica vasculosa lentis and persistent hyperplastic primary vitreous (PHTVL/PHPV) in 90 closely related Doberman Pinschers : Clinical aspects. J Amer Anim Hosp Assn 16 : 78-82.
4. Chaudieu G. Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed. Ed. du Point Vétérinaire 2013; 225-226.
5. Kaukonen M, Woods S, Ahonen S, Leomberg S et al. Maternal Inheritance of a Recessive RBP\$ Defect in Canine Congenital Eye Disease. Cell Rep. 2018 May 29;23(9):2643-2652.