


English Toy Spaniel (King Charles)	
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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	Microphthalmia	Frequently associated to cataract	Autosomal recessive	NO	1,2
B	Corneal dystrophy - stromal	Dogs 2-5 y.o. ; circular or semicircular central and paracentral crystalline opacity subepithelial	Unknown	NO	1,2
C	Cataract	Posterior polar subcapsular and/or posterior nuclear ; between 6 months and 1 year of age	Unknown	NO	1,2
D	Primary hyperplastic tunica vasculosa lentis/ Primary hyperplastic primary vitreous (PHTVL/PHPV)		Presumed dominant/ incomplete penetrance	NO	2

E	Retinal dysplasia -focal -multifocal		Presumed autosomal recessive	NO	1,2
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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)

	Diagnosis	Source
A	Entropion	ACVO genetics committee
B	Distichiasis	ACVO genetics committee
C	Exposure keratopathy syndrome/macrolepharon	ACVO genetics committee
D	Persistent hyaloid artery	ACVO genetics committee
E	Vitreous degeneration -syneresis	ACVO genetics committee
F	Persistent pupillary membranes –iris to iris	ACVO genetics committee

References

1. Rubin LF: Inherited Eye Diseases in Purebred Dogs, Williams & Wilkins, 1989;131-133.
2. Chaudieu G, Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien. 2nd ed. Ed. du Point Vétérinaire, 2013; 453-454.