


<b>Jack Russell Terrier</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>	Lens luxation (PLL)		Autosomal recessive	ADAMTS17	1,2,3,5,6
<b>B</b>	Cataract	Posterior cortical, 8 months-3 y.o dogs. Strongly progressive by 1.5 y.o.	Unknown	NO	6

### **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>	Distichiasis	ACVO genetics committee
<b>B</b>	Corneal dystrophy - epithelial/stromal	ACVO genetics committee
<b>C</b>	Persistent pupillary membranes	ACVO genetics committee

<b>D</b>	Vitreous degeneration	ACVO genetics committee
<b>E</b>	Glaucoma	ACVO genetics committee
<b>F</b>	Progressive Retinal Atrophy (prcd)	ACVO genetics committee

### References

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2. Gould D, Pettitt L, McLaughlin B, Holmes N, Forman O, Thomas A, Ahonen S, Lohi H, O'Leary C, Sargan D, Mellersh C. ADAMTS17 mutation associated with primary lens luxation is widespread among breeds. Vet Ophthalmol (2011) 14(6):378-84.
3. Lawson DD: Luxation of the crystalline lens in the dog. J Small Anim Pract 10: 461- 463 1969
4. Curtis R. et al: Clinical and pathological observations concerting the aetiology of primary lens luxation in the dog. Vet Rec 112: 238, 1983
5. Morris R. A. and Dubielzig, R. R.: Light-microscopy evaluation of zonular fiber morphology in dogs with glaucoma: secondary to lens displacement. Vet Ophthalmol 8: 81, 2005
6. Oberbauer AM, Hollingsworth SR, Belanger JM, Regan KR, Famula TR. Inheritance of cataracts and primary lens luxation in Jack Russell Terriers. Am J Vet Res. 2008 Feb;69(2):222-7.