


<p>Spanish water dog</p>	
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Ocular disorders known or presumed to be inherited (published)

	<p>Diagnosis</p>	<p>Description and comments specific to the breed</p>	<p>Inheritance</p>	<p>Gene/ marker test</p>	<p>References</p>
<p>A</p>	<p>Progressive Retinal Atrophy (PRA)</p>	<p>1)late-onset form of PRA 2)early-onset form of PRA (EO-PRA)</p>	<p>Autosomal recessive</p>	<p>1)prcd 2)PDE6B</p>	<p>2</p>
<p>B</p>	<p>Lens luxation (PLL)</p>		<p>Autosomal recessive</p>	<p>ADAMTS17</p>	<p>1</p>

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)

	<p>Diagnosis</p>	<p>Source</p>
<p>A</p>	<p>Persistent pupillary membranes - iris to iris</p>	<p>ACVO genetics committee</p>
<p>B</p>	<p>Distichiasis</p>	<p>The Finnish Kennel Club database</p>
<p>C</p>	<p>Retinal dysplasia - multifocal - geographic</p>	<p>The Finnish Kennel Klub database</p>

References

1. Gould D, Pettitt L, McLaughlin B, et al. ADAMTS17 mutation associated with primary lens luxation is widespread among breeds. *Vet Ophthalmol.* 2011; 14: 378-384.
2. Winkler PA, Ramsey HD, Petersen-Jones SM. A novel mutation in PDE6B in Spanish Water Dogs with early-onset progressive retinal atrophy. *Vet Ophthalmol* 23:792-796, 2020.