

Swedish Vallhund	
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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	Retinopathy	Multifocal. Age of onset and rate of progression vary. The retinopathy usually occurs between 2-3 y.o. age. Starts as multifocal brown discoloration. Over time the retinal thinning becomes more generalized with islands of retinal sparing. Defecits are noted in both photopic and scotopic vision.	Presumed autosomal recessive	Association with MERTK gene. Causative mutation not found	1, 2, 3

### 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 Swedish National panel
<b>B</b>	Corneal dystrophy -epithelial/stromal	ACVO genetics committee
<b>C</b>	Persistent pupillary membranes (PPM) -iris to iris	ACVO genetics committee Swedish National panel
<b>D</b>	Cataract	ACVO genetics committee Swedish National panel
<b>E</b>	Vitreous degeneration	ACVO genetics committee
<b>F</b>	Retinal dysplasia - folds	ACVO genetics committee

**References**

1. Cooper AE, Ahonen S, Rowlan JS, et al. A novel form of progressive retinal atrophy in Swedish vallhund dogs. PloS one. 2014;9:e106610.
2. Ahonen SJ, Arumilli M, Seppala E, et al. Increased expression of MERTK is associated with a unique form of canine retinopathy. PloS one. 2014;9:e114552.
3. Everson R, Pettitt L, Forman OP, Dower-Tylee O et al. An intronic LINE-1 insertion in MERTK is strongly associated with retinopathy in Swedish Vallhund dogs. PLOS ONE 12(8): e0183021, 2017.