



**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> | Distichiasis   |  | Unknown            | NO                       | 1,2,3             |
| <b>B</b> | Corneal dystrophy<br>-epithelial<br>-stromal<br>-endothelial |  | Unknown            | NO                       | 1                 |
| <b>C</b> | Glaucoma   |  | Unknown            | NO                       | 1,4,5             |
| <b>D</b> | Cataract   | Posterior triangular subcapsular cataract; from 3 y.o. | Unknown            | NO                       | 1                 |

**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> | Entropion                                       | French National Panel |
| <b>B</b> | Persistent pupillary membranes<br>-iris to iris | French National Panel |
| <b>C</b> | Multifocal retinopathy                          | French National Panel |
| <b>D</b> | Entropion                                       | French National Panel |

**References**

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2. Kaufhold J, Hamann H, Steinbach G, Gordon S, Brahm R, Grussendorf H, Rosenhagen CU, Distl O. Analysis of the prevalence of distichiasis in the dog breed Elo. Berl Munch Tierarztl Wochenschr 2006; 119(5-6):233-7.
3. Kaufhold J, Hamann H, Steinbach G, Gordon S, Brahm R, Grussendorf H, Rosenhagen CU, Distl O. Analysis of the mode of inheritance for distichiasis in the Elo dog breed using complex segregation analyses. . Berl Munch Tierarztl Wochenschr 2007; 120(5-6):232-6.
4. Strom AR, Hassig M, Iburg TM, et al. Epidemiology of canine glaucoma presented to University of Zurich from 1995 to 2009. Part 1: Congenital and primary glaucoma (4 and 123 cases). Vet Ophthalmol. 2011; 14: 121-126.
5. Rosolen SG, Boillot T, Dulaurent T, et al. Morphological, biometrical and biochemical susceptibilities for glaucoma in healthy eurasier dog - ECVO 2014 abstract #44. Vet Ophthalmol. 2014;17:E23.