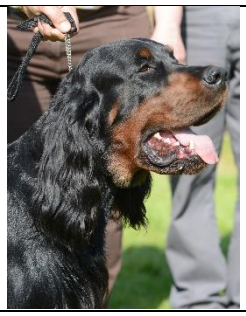
| **Gordon Setter** |  |
|---|---|

## Ocular disorders known or presumed to be inherited (published)

| | Diagnosis | Description and comments specific to the breed | Inheritance | Gene/ marker test | References |
|---|---|---|---|---|---|
| **A** | Progressive Retinal Atrophy (PRA) | Night blindness by 6 months of age; sometimes later | Unknown | NO | 1,2,3,4,5 |
| **B** | Progressive Retinal Atrophy (PRA) | Rcd4-PRA<br>Late onset; clinical signs from 10-12 y.o. | Autosomal recessive | C2orf71 (rcd4) | 2,6 |
| **C** | Cone degeneration<br>- achromatopsia | | Unknown | NO | 7 |

## 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** | Distichiasis | ACVO genetics committee |
| **B** | Persistent pupillary membranes<br>-all forms | ACVO genetics committee |
| **C** | Persistent hyaloid artery | ACVO genetics committee |
| **D** | Ectropion | ACVO genetics committee |
| **E** | Entropion | ACVO genetics committee |
| **F** | Uveal cysts | ACVO genetics committee |
| **G** | Retinal dysplasia<br>-multifocal | ACVO genetics committee |
| **H** | Cataract | ACVO genetics committee |
| **I** | Eversion of the cartilage of the nictitating membrane | French National Panel |
| **J** | Microphthalmia | French National Panel |

## References

1. Rubin LF. Inherited eye diseases in purebred dogs. Williams &Wilkins 1989;159-161.

2. Chaudieu G. Chahory S. Affections oculaires héréditaires ou à prédisposition raciale chez le chien.2nd ed. Ed. du Point Vétérinaire 2013;349-351.

3. Magnusson H. Om nattblindhet hos hund sasom foljd af slaktkapsafvel (On night blindness in the dog following inbreeding). Svensk Vet Tidskr. 1909; 14: 462.

4. Magnusson H. Uber retinites pigmentosa und konsanguinitat beim hunde (On retinitis pigmentosa and consanguinity in dogs). Arch Vergi Ophthalmol. 1911; 2: 147.

5. Magnusson H. Noch ein fall von nachtblindheit beim hunde (Another case of night blindness in the dog). Graefes Arch Ophthal. 1917; 93: 404.

6. Downs LM, Bell JS, Freeman J, Hartley C, Hayward LJ, Mellersh CS. Late-onset progressive retinal atrophy in the Gordon and Irish Setter breeds is associated with a frameshift mutation in C2orf71. Anim Genet (2013) 44(2):169-77.

7. Good KL, Komaromy AM, Kass PH, et al. Novel retinopathy in related Gordon setters: a clinical, behavioral, electrophysiological, and genetic investigation. Vet Ophthalmol. 2015:1-11.