| American Bulldog |  |
|---|---|

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

| | Diagnosis | Description and comments specific to the breed | Inheritance | Gene/ marker test | References |
|---|---|---|---|---|---|
| A | Glaucoma | Associated with uveal cysts and goniodysgenesis | Unknown | NO | 1 |
| B | Canine multi-focal retinopathy | (CMR1) | Autosomal recessive | BEST1 | 2 |
| C | Neuronal Ceroid Lipofuscinosis | | Autosomal recessive | CTSD | 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)

| | Diagnosis | Source |
|---|---|---|
| **A** | Distichiasis | ACVO genetics committee |
| **B** | Entropion | ACVO genetics committee |
| **C** | Persistent pupillary membranes – iris to iris | ACVO genetics committee |

## References

1. Pumphrey SA, Pizzirani S, Pirie CG & Needle DB. Glaucoma associated with uveal cysts and goniodysgenesis in American bulldogs: a case series. Veterinary Ophthalmology, 2013, 16,5, 377-385.

2. Guziewicz KE, Zangerl B, Lindauer SJ, et al. Bestrophin gene mutations cause canine multifocal retinopathy: A novel animal model for best disease. Investigative Ophthal & Visual Science, 48:1959-1967, 2007.

3. Awano T, Katz ML, O'Brien DP et al. A mutation in the catepsin D gene (CTSD) in American Bulldog with neuronal ceroid lipofuscinosis. Mol Genet Metab, 2006; 87 (4): 341-8.