Glen of Imaal Terrier	

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)	Cone-Rod Dystrophy 3 (crd3), 3-5 y.o.	Autosomal recessive	ADAM9 (CRD3)	1,2
B	Progressive Retinal Atrophy (PRA)		Unknown	NO	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	Optic nerve coloboma	ACVO genetics committee
C	Cataract	ACVO genetics committee

References

1. Goldstein O, Mezey JG, Boyko AR, Gao C, Wang W, Bustamante CD, Anguish LJ, Jordan JA, Pearce-Kelling SE, Aguirre GD, Acland GM. An ADAM9 mutation in canine cone-rod dystrophy 3 establishes homology with human cone-rod dystrophy 9. Mol Vis (2010) 11;16:1549-69.

2. Kropatsch R, Petrasch-Parwez E, Seelow D, Schlichting A, Gerding WM, Akkad DA, Epplen JT, Dekomien G. Generalized progressive retinal atrophy in the Irish Glen of Imaal Terrier is associated with a deletion in the ADAM9 gene. Mol Cell Probes (2010) 24(6):357-63.

3. Kijas JW, Zanger B, Miller B, Nelson J, Kirkness EF, Aquirre GD, Acland GM: Cloning of the canine ABCA4 gene and evaluation in canine cone-rod dystrophies and progressive retinal atrophies. Molecular Vision 10: 223-232, 2004