



Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Starbismus/ Esotropia		Unknown	NO	1
B	Lacrimal punctum atresia		Unknown	NO	9
C	Ocular dermoids		Unknown	NO	2
D	Distichiasis		Unknown	NO	3
E	Corneal sequestrae		Unknown	NO	4
F	Persistent pupillary membrane		Unknown	NO	3
G	Cataract	Congenital (eventually posterior, nuclear)	Unknown	NO	5, 6
		Posteriorcapsular/cortical or complete	Unknown	NO	7
H	Retinal degeneration (Persian-derived)	Possible Persian cat origins	Autosomal recessive	YES	8, 10

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 diseases with ocular involvement

	Diagnosis	Source
A	Mucopolisaccharidosis VI (MP6)	www.laboklin.de

References

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4. Featherstone HJ, Sansom J. Feline corneal sequestra: a review of 64 cases (80 eyes) from 1993 to 2000. Vet Ophthalmol; 7(4): 213-27, 2004.
5. Schwink K. Posterior nuclear cataracts in two Birman kittens. Fel Practice; 16: 31-33, 1986.
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7. Narfström K. Hereditary and congenital ocular disease in the cat. J Fel Medicine and Surgery, 25, 135-141, 1999.
8. Alhaddad H et al. Genome-wide association and linkage analyses localize a progressive retinal atrophy locus in Persian cats. Mamm Genome; 25 (7-8): 354-62, 2014.
9. Katariina Vapalahti, Anna-Maija Virtala, Tara A. Joensuu, Katriina Tiira, Jaana Tähtinen, and Hannes Lohi, Health and Behavioral Survey of over 8000 Finnish Cats ; Front VetSci. 2016; 3: 70. Published online 2016 Aug 29.
10. Lyons LA, Creighton EK, Alhaddad H, Beale HC, Grahn RA, Rah H, Maggs DJ, Helps CR, Gandolfi B. Whole genome sequencing in cats, identifies new models for blindness in AIPL1 and somite segmentation in HES7. BMC Genomics. 2016; 17: 265.

