


Himalayan	 <p style="font-size: small;">Ph. Bossé/ENVA©</p>
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Ocular disorders known or presumed to be inherited (published)

	Diagnosis	Description and comments specific to the breed	Inheritance	Gene/ marker test	References
A	Strabismus/ Esotropia		Unknown	NO	1, 2
B	Congenital nystagmus		Unknown	NO	9
C	Keratoconjunctivitis sicca		Unknown	NO	2, 3
D	Entropion	Medial canthal (associated with brachycephalic morphology)	Unknown	NO	4
E	Apocrine hidrocystoma		Unknown	NO	5
F	Corneal sequestrae		Unknown	NO	6, 7
G	Cataract	Congenital	Unknown	NO	8
H	Retinal degeneration (Persian-derived)	Possible Persian cat origins	Autosomal recessive	YES	10, 11

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

References

1. Barnett KC, Crispin SM. Felineophthalmology: an atlas and text. London, WB Sanders (1988), pp 35,178.
2. Glaze MB. Congenital and hereditary ocular abnormalities in cats. Clin Tech Small AnimPract May; 20(2):74-82, 2005.
3. Kern T. Disorders of the lacrimal system, in Kirk RW (ed): CurrentVeterinary-Therapy (ed 9). Philadelphia WB Saunders, pp 634-641, 1986.
4. McDonald JE, Knollinger AM. The use of hyaluronic acid subdermal filler for entropion in canines and felines: 40 cases. Vet Ophthalmol. 2018. doi: 10.1111/vop.12566. [E pub ahead of print]
5. Chaltman J et al. Multiple eyelid cysts resembling apocrine hidrocystomas in three Persian cats and one Himalayan cat. Veterinary Pathology; 36: 474-476, 1999.
6. 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.
7. Andrew SE et al. Corneoconjunctival transposition for the treatment of feline corneal sequestra: a retrospective study of 17 cases (1990–1998). Vet Ophthalmol; 4 (2):107-111, 2001.
8. Rubin LF. Hereditary cataract in Himalayan cats. Feline Practice; 16;14-15, 1986.
9. Katariina Vapalahti, Anna-Maija Virtala, Tara A. Joensuu, Katriina Tiira, Jaana Täh-tinen, and Hannes Lohi, Health and Behavioral Survey of over 8000 Finnish Cats ; Front VetSci. 2016; 3: 70. Published online 2016 Aug 29.
10. 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.
11. 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.

OTHERS: Temperature dependent oculocutaneous albinism : autosomal recessive. known mutation (Giebel LB et al. A tyrosinase gene missense mutation in temperature-sensitive type I oculocutaneous albinism. A human homologue to the Siamese cat and the Himalayan mouse. J Clin Invest. 87(3): 1119-1122, 1991.).