

Shiba Inu			
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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	Distichiasis		Unknown	NO	1
B	Corneal dystrophy		Unknown	NO	1
C	Pigmentary keratitis		Unknown	NO	1
D	Persistent pupillary membranes		Unknown	NO	1
E	Glaucoma	Pectinate ligament anomaly (PLA) and narrow irido-corneal angle width	Unknown	NO	1, 2
F	Glaucoma		Associated to SNP of SRBD1	NO	4
G	Cataract		Unknown	NO	1
H	GM2 Gangliosidosis		HEXB	Autosomal recessive	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	Vitreous degeneration	ACVO Genetics Committee

References

1. Genetics Committee of the American College of Veterinary Ophthalmologists (2014) Ocular disorders presumed to be inherited in purebred dogs.
2. Kato K et al (2003) Glaucoma associated with pectinate ligament dysplasia and narrowing of the iridocorneal angle of the Shiba Inu in Japan. Abstract, 34th annual meeting of the Amer CollVetOphthalmol, Coeur d'Alene
3. Kolicheski A, Johnson GS, Villani NA, O'Brien DP et al. GM2 Gangliosidosis in Shiba Inu Dogs with an In-Frame Deletion in HEXB. J Vet Intern Med 31:1520-1526, 2017.
4. Ota M, Kanemaki N, Tsujita H, Kobayashi Y et al. Associations of single-nucleotide polymorphisms of SRBD1 gene with glaucoma in Shiba-Inu dog: a meta-analysis in six Japanese Veterinary Hospitals. 46th ACVO Annual Meeting, Coeur d'Alene (ID), 7-10 October 2015.