



Ocular disorders

	Diagnosis	Description and comments specific to the breeds	Inheritance	Gene/marker test	References
A	Cataract	Primarily posterior cortical cataract which occasionally may involve some anterior cortex	Probably a recessive trait	None	1
B	Glaucoma	Goniodysgenesis predisposes to angle closure	Unknown	None	2
C	Corneal Dystrophy	Classically paracentral and bilateral corneal lipid deposition	Autosomal recessive	None	3,4
D	Progressive Retinal Atrophy	A late rod retinal degeneration seen clinically at 2 to 4 years of age, with ERG abnormalities from 6 months of age	X-linked	YES	5,6
E	Uveodermatologic Syndrome	As seen classically in other Spitz type dogs	Unknown	None	7

The ECVO's advice relating to hereditary eye disease control

A	Cataract	NO BREEDING from the affected animal
B	Glaucoma	NO BREEDING from the affected animal
C	Corneal Dystrophy	OPTIONAL
D	Progressive Retinal Atrophy (PRA)	NO BREEDING from the affected animal, its parents or offspring
E	Uveodermatologic Syndrome	NO BREEDING from the affected animal

Recommendations regarding age and frequency for eye examinations

As for all other breeds (see part 7)

References

1. Davidson G and Nelms S (2007) Diseases of the Canine Lens and Cataract Formation in Veterinary Ophthalmology edited by KN Gelatt. Blackwell, Iowa
2. Gelatt KN, Brooks DE and Kallberg ME (2007) The Canine Glaucomas in Veterinary Ophthalmology edited by KN Gelatt. Blackwell. Iowa
3. Waring G, MacMillan A and Reveles P (1986) Inheritance of Crystalline Corneal Dystrophy in Siberian Huskies, J Am Anim Hosp. Ass. 22, 655-658
4. MacMillan AD, Waring GO, Spangler WL and Roth AM (1979) Crystalline Corneal Opacities in the Siberian Husky, J Vet Med Ass. 175, 825 – 832
5. Rubin LF (1989) Inherited Eye Diseases in Purebred Dogs. Williams and Wilkins. Baltimore
6. Acland GM, Blanton SH, Hershfield B and Aguirre G (1994) XLPRA: A Canine Retinal Degeneration Inherited as an X-linked Trait, Am J Med Genet. 52, 27-33
7. Morgan RV (1989) Vogt-Koyanagi-Harada Syndrome in Humans and Dogs. Comp Cont Educ Pract Vet. 11, 1211-1214