



Ocular disorders

	Diagnosis	Description and comments specific to the breeds	Inheritance	Gene/ marker test	References
A	Microphthalmia with multiple ocular defects		Not defined	None	1,3-5
B	Primary hyperplastic primary vitreous/ primary hyperplastic tunica vasculosa lentis (PHPV/PHTVL)		Presumed dominant, incomplete penetrance	None	2,6-13

The ECVO’s advice relating to hereditary eye disease control

A	Microphthalmia with multiple ocular defects	NO BREEDING from the affected animal
B	Primary hyperplastic primary vitreous/ primary hyperplastic tunica vasculosa lentis (PHPV/PHTVL)	-Grade 1 OPTIONAL -Grade 2-6 NO BREEDING from the affected animal

Recommendations regarding age and frequency for eye examinations

As for all other breeds (see part 7)

References

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9. Boeve MH, van der Linde-Sipman JS, Stades FC: Early morphogenesis of persistent hyperplastic tunica vasculosa lentis and primary vitreous (PHTVL/PHPV)- the dog as an ontogenetic model. *Invest Ophthalmol Vis Sci* 29:1076, 1988.
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11. Stades FC, Boeve MH, vanden Brom WE, van der Linde-Sipman JS: The incidence of PHTVL/PHPV in Dobermans and the results of breeding rules. *Vet Quarterly* 13:24, 1991.
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13. Boeve MH, Stades FC, et al: Persistent hyperplastic tunica vasculosa lentis and primary vitreous (PHTVL/PHPV) in the dog: A comparative review. *Prog Vet Comp Ophthalmol* 2:163, 1992.