


Grand griffon vendéen (GGV), Briquet griffon vendéen (BGV), Grand basset griffon vendéen (GBGV), Petit basset griffon vendéen (PBGV)	
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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	Microphthalmia	Multiple ocular defects associated (GBGV)	Unknown	NO	1
B	Entropion 1	Lower lateral, 5 m.o. to 6 m.o. dogs (GBGV, PBGV)	Presumed dominant autosomal with incomplete penetrance	NO	1
C	Entropion 2	Lower medial, associated to median ectropion (GGV)	Presumed polygenic	NO	1
E	Corneal dystrophy	Epithelial, stromal, endothelial	Unknown	NO	1, 3
F	Persistent pupillary membranes	All forms (GGV, GBGV, PBGV)	Unknown	NO	1, 2
G	Pectinate ligament abnormality	PBGV	Unknown	NO	1
H	Primary open angle glaucoma (POAG)	PBGV, 3 y.o. to 6 y.o.	Autosomal recessive	Mutation ADAMTS1 7	3,4,7

I	Cataract	Posterior polar cataract: 2 y.o. to 5 y.o. dogs (GBGV, PBGV), possible extension along suture lines and equatorial in dogs > 5 y.o.	Unknown	NO	1
J	Primary lens luxation	GBGV PBGV, 2 y.o. to 7 y.o. dogs	Not defined	NO	1,5
K	PHTVL/PHPV	PGGV	Not defined	NO	1
L	Vitreous degeneration	PBGV	Not defined	NO	1
M	Progressive Retinal Atrophy (PRA)	GGV, GBGV, PBGV	Presumed autosomal recessive	NO	1
N	Retinal dysplasia	Multifocal (GGV, GBGV, PBGV)	Presumed autosomal recessive	NO	1,6

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	Dermoid (PBGV)	Personal communication (G. Chaudieu)

B	Prolapsed gland of the nictitating membrane (GGV, PBGV)	Personal communication (G. Chaudieu)
C	Persistent hyaloid artery (PBGV)	ACVO genetics committee

References

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4. Bedford PGC (2016) Open angle glaucoma in the Petit Basset griffon Vendéen. Vet ophthalmol 2016 Mar. Doi.1111/vop. 12369
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6. Rubin LF (1989) Inherited diseases in the purebred dog. Baltimore, Williams & Wilkins, p.322.
7. Oliver JA, Forman OP, Pettitt L, et al. Two Independent Mutations in ADAMTS17 Are associated with Primary Open Angle Glaucoma in the Basset Hound and Basset Fauve de Bretagne Breeds of Dog. PloS one. 2015;10:e0140436.