


Épagneul breton (Britanny spaniel)			
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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	Macroblepharon		Unknown	NO	1
B	Distichiasis	Rather superior, bilateral	Suspected dominant autosomal with incomplete penetrance	NO	2
C	Entropion	Inferior lateral, 6 to 12 weeks old dogs	Suspected dominant autosomal with incomplete penetrance	NO	1
D	Ectropion		Unknown	NO	1
E	Atresia of lacrimal punctum	Mostly inferior	Unknown	NO	1
F	Corneal dystrophy - epithelial	Dogs > 7 years old.	Unknown	NO	3
G	Cataract	1. Juvenile: 1-3 y.o. posterior triangular subcapsular, sometimes progressive	Unknown	NO	1

		(> 5 years old dogs) 2. Nuclear: Congenital, associated to iris cysts: fibrillar cataracts in adults > 6 years old dogs			
H	Lens luxation	Dogs > 6 years old dogs	Unknown	NO	4
I	Vitreous degeneration	Aged dogs	Unknown	NO	2
J	Progressive Retinal Atrophy (PRA)	Fundus modifications around 4 years of age	Unknown	NO	1, 2
K	Retinal dysplasia -folds		Suspected recessive autosomal	NO	5

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	Multifocal retinopathy, 1,5 to 3 years old dogs, asymmetrical	Chaudieu G, Personal observations
B	Persistent pupillary membranes	ACVO genetics committee
C	Retinal dysplasia -geographic	ACVO genetics committee

References

1. Chaudieu G, Chahory S. 2013. Affections oculaires héréditaires ou à prédisposition héréditaire chez le chien. Rueil-Malmaison : Ed. du Point Vétérinaire, Wolters Kluwer France. pp 337-340.
2. Rubin L.F. (1989) Inherited eye diseases in purebred dogs ; Williams & Wilkins, Baltimore, 58-59.
3. Chaudieu G, Molon-Noblot S (1999) Pathologie de la cornée chez le chien âgé . Rev Med Vet, 150 :45-50 (première partie), 61-66 (deuxième partie).
4. Chaudieu G, Molon-Noblot S, Duprat P. Luxation primaire du cristallin chez l'Épagneul breton : aspects cliniques, étude étio-pathogénique. Prat Méd Chir Anim Comp 1993; 28 :37-47.
5. Chaudieu G (1989) Développement et anomalies du globe oculaire. In : Les affections héréditaires de l'œil du chien, SCC Edr, Paris, 41-52.