

## Animal Eye Care Breed Predisposition to Eye Disease

Probably in no other area of veterinary medicine is breed predisposition more important than in Veterinary Ophthalmology. In any purebred dog with an eye problem check this list for breed predisposition.

Congenital anomalies are not always inherited.

All breeding animals should be checked each year whilst breeding, then a final eye certification should be done after the age of 8 years.

C - congenital. These conditions should be seen at 6 to 8 weeks of age.

M - mature. These conditions will develop later in the dog's life.

**Bold** - commonly seen conditions at Animal Eye Care.

This list has been referenced from

Common Eye Diseases. Proceedings 158 Post Graduate Foundation, Sydney University by  
 Blogg JR and Stanley RG  
 Cases seen at Animal Eye Care 1991-2018  
 Discussion with J Rowan Blogg  
 Inherited Eye Diseases in Pure Bred Dogs by Rubin LF  
 Fundamentals of Veterinary Ophthalmology by Slatter DH

**For an Animal Eye Care referral form [click here](#)**

### **Akita**

Entropion C  
 Everted third eyelid M  
**Micro-ophthalmia - small eye C**  
**Uveitis, skin pigment loss, VKH**

### **Alaskan Malamute**

Cataract M  
 Comeal dystrophy M  
 Corneal ulcer M  
 Day blindness/cone dysplasia C or M  
**Entropion M**

### **American Cocker Spaniel**

Corneal dystrophy M  
**Cherry eye M**  
**Distichiasis M**  
**Dry eye M**  
 Entropion C  
 Entropion lower lid M  
 Eyelid openings oversized M

Glaucoma due to lens luxation M

Iris cyst M

Juvenile cataract M

Oversized upper eyelashes M

Primary glaucoma M

PPM C

PRA M

**Punctal Atresia**

Redundant forehead skin M

Retinal detachment/dysplasia C

Retinal dysplasia, multifocal C

Micro-ophthalmia - small eye and multiple eye defects C

Upper lid drooping M

Watery eye M

**Australian Cattle Dog (Queensland Heeler)**

**Glaucoma M**

**Lens luxation M**

**PRA M**

Third eyelid unpigmented M

**Australian Silky Terrier**

Cherry eye M

**Cataract M**

Corneal dystrophy M

Distichiasis M

Dry Eye M

PRA M

**Australian Shepherd (Californian Shepherd)**

**Collie Eye Anomaly C**

Multiple Ocular Anomalies C

Cataracts M

Coloboma C

Heterochromia C

PPM C

Multiple eye defects C

Micro-ophthalmia - small eye C

Uveitis, skin pigment loss (VKH) M

**Australian Terrier**

**Cataracts M**

Primary glaucoma M

PRA M

Retinal dysplasia C

**Basenji**

**Optic Nerve Colobomas C**

PPM C

PRA M

Retinal detachment M

### **Basset Hound**

Corneal endothelial disease M

Ectropion C

Oversized eyelid openings/diamond eye C

**Primary glaucoma M**

PRA M

Redundant forehead skin M

Third eyelid –cherry eye or cartilage eversion

Upper lid drooping M

Weak eyelid closure M

### **Beagle**

Cataract C

Cataract M

Cherry Eye M

**Dry Eye M**

### **Bichon Frise**

**Cataracts M**

PRA M

Retinal detachment

### **Bearded Collie**

Corneal dystrophy M

Cataract M

Distichiasis M

Eyelid openings oversized m

PPM C

PRA M

Retinal dysplasia C

### **Bedlington Terrier**

Absent narrow tear duct C

Cataract M

Distichiasis M

Entropion M

Eyelid opening small C

Iris hypoplasia C

PRA M

Retinal detachment/dysplasia C

Retinal dysplasia - multifocal C

Watery eye M

### **Belgian Shepherd**

Cataract M

PRA M

Retinal dysplasia C  
Retinopathy C  
**Pannus M**  
Third eyelid blepharitis M

### **Bernese Mountain Dog**

Cataracts/retinal detachment C  
**Cherry Eye M**  
Ectropion M  
Entropion M  
PRA M

### **Bloodhound**

Cherry eye M  
Dry eye M  
Ectropion C  
Entropion C  
Palpebral fissure oversized/diamond eyes C  
Third eyelid cartilage eversion M  
Upper lid drooping M

### **Border Collie**

Cataract M  
**Collie eye anomaly C**  
CRA M  
Distichiasis M  
Glaucoma M  
Lens luxation M  
Nodular granulomatous episclerokeratitis M  
PRA  
Retinal folds, dysplasia C

### **Boston Terrier**

Cataract C  
**Cataract M**  
**Corneal dystrophy (endothelium) M**  
Cherry eye C  
Dry eye M  
Medial entropion M  
PRA M  
Prominent eye C

### **Boxer**

Cataract M  
Corneal epithelial basement membrane disease  
Indolent ulcers M  
Cherry eye M  
Distichiasis M  
Dry eye M

Ectropion M  
Entropion M  
Palpebral fissure oversized C

**Brittany Spaniel**

Distichiasis M  
Iris cysts  
Lens luxation M  
PRA M

**Bulldog (English)**

Cataract M  
**Cherry eye M**  
**Distichiasis M**  
Dry eye M  
Ectopic cilia M  
Ectropion C  
Ectropion - lower lid, medial entropion, lateral entropion C  
Forehead skin redundant C  
Iris cysts M  
Nasal fold trichiasis M  
Palpebral fissures oversized/diamond eyes C

**Bull Mastiff**

**Entropion M**  
Glaucoma M  
Iris cysts M  
Orbits oversized C  
**Palpebral fissures oversized/diamond eyes C**

**Bull Terrier**

Cherry eye M  
**Dry eye M**  
Entropion - lower lid, lateral M  
Lens luxation M  
Primary glaucoma M

**Cairn Terrier**

Cataract M  
Corneal dystrophy M  
**Dry Eye M**  
Distichiasis M  
**Pigmentary glaucoma M**  
PRA M  
Retinal dysplasia C  
Tapetum small C

**Cavalier King Charles Spaniel**

Caruncles hairy C

Cataract M  
 Congenital cataract, Micro-ophthalmia - small eye, retinal dysplasia C  
**Corneal dystrophy/lipidosis M**  
**Distichiasis M**  
**Dry Eye M**  
 Medial entropion M  
 Palpebral fissures oversized C  
 PRA M  
 Retinal folds/dysplasia C

### **Chihuahua**

Cherry eye M  
**Cloudy cornea - endothelial disease M**  
 Dry eye M  
 Lens Luxation M  
 Iris atrophy M  
 Medial entropion C  
 PRA M  
 Primary glaucoma M  
 Prominent eye/shallow eye sockets C

### **Chow Chow**

Anterior chamber cleavage syndrome C  
**Cherry Eye M**  
 Dry eye M  
**Entropion C, M**  
 Excess Forehead skin M  
 Lens luxation M  
 Primary glaucoma M  
 Upper lid drooping M

### **Cocker Spaniel see**

American Cocker Spaniel  
 English Cocker Spaniel

### **Collie (Rough or Scotch and Smooth)**

Cataract M  
**Collie eye anomaly C**  
 Cornea small C  
 Corneal dystrophy M  
 Distichiasis M  
 Entropion (due to large eye socket) C  
 Enophthalmos due to deep sockets  
 Nodular granulomatous episclerokeratitis  
 Optic nerve hypoplasia C  
 PPM C  
 PRA M  
 Palpebral fissures small C  
 PRA Rod-cone dysplasia (early onset) M  
 Micro-ophthalmia - small eye C

### **Curly Coated Retriever**

Cataract M  
Distichiasis M  
**Entropion M**  
PRA M  
Tapetum absent C

### **Dachshund**

Corneal dystrophy M  
Corneal ulcer M  
Distichiasis M  
Dry eye M  
Ectopic cilia M  
Entropion M  
Glaucoma M  
Keratitis/pannus M  
**Punctate Keratitis M**  
**Optic nerve hypoplasia C**  
PPM C  
PRA M

### **Dalmation**

Distichiasis M  
**Entropion M**  
**Glaucoma M**  
Heterochromia C  
Keratitis/pannus M  
Nodular granulomatous episclerokeratitis M  
Micro-ophthalmia - small eye C

### **Doberman Pinscher**

Cataract M  
Entropion M  
PRA M  
PHTVL/PHPV C  
Pigment spots on lens M  
Retinal dysplasia (multifocal) C  
Micro-ophthalmia - small eye/retinal dysplasia C  
Sunken eye related to enlarged eye socket C  
Third eyelid cartilage eversion M  
Third eyelid inflamed M

### **Elkhound**

Progressive retinal atrophy M

**English Cocker Spaniel**

Punctal atresia M

**Cataract C**

Cataract juvenile M

Corneal dystrophy M

Cherry eye M

Distichiasis M

Eyelid drooping M

Ectropion C

Entropion M

Extra long lashes C

Forehead skin redundant M

Glaucoma M

Lens luxation M

**PRA M**

Palpebral fissures oversized C

Pigment spots on lens, cornea C

Retinal detachment/dysplasia C

Watery eye M

**English Setter**

Cataract M

Chalazion M

Cherry eye M

Dry eye M

Ectropion M

Entropion M

Eyelid neoplasia M

**PRA - early onset M**

PRA - late onset M

Retinal dysplasia - multifocal C

Third eyelid cartilage eversionM

**English Springer Spaniel**

Cataract M

Cataract with misshaped lens C

Distichiasis M

Ectropion M

Entropion M

Glaucoma M

Iris colour change M

Optic nerve hypoplasia C

Optic nerve colobomaC

PPM C

**PRA - early onset M**

PRA - late onset M

Palpebral fissures oversized/diamond eyes C

Retinal dysplasia/detachment C

Retinal dysplasia, multifocal C

Micro-ophthalmia - small eye C

Third eyelid inflammation M

**Fox Terrier (Smooth and Wire Haired)**

Cataract M  
 Corneal degeneration/dystrophy M  
 Deviated eyelashes M  
 Distichiasis M  
 Entropion M  
 Glaucoma M  
**Lens luxation M**  
 PPM C  
 PRA M

**German Shepherd**

Cataract C  
 Cataract M  
 Cataract with high blood tyrosine C  
 Collie eye anomaly C  
 Corneal dystrophy C  
 Day blindness M  
 Ectropion M  
 Dermoid C  
 Lens luxation M  
 PRA M  
 Palpebral fissures oversized C  
**Pannus M**  
 Third eyelid cartilage eversion C  
 Third eyelid inflammation M

**German Shorthaired Pointer**

Cataract M  
 Corneal degeneration C  
 Distichiasis M  
**Entropion M**  
 PRA M  
 Retinal folds/dysplasia C  
 Third eyelid cartilage eversion M  
 Strabismus (turned eyeball) C

**Golden Retriever**

**Cataract C** (star cataracts), M  
 Corneal degeneration (dystrophy) C  
 Distichiasis M  
 Ectropion M  
 Entropion (lower lid and lateral) M  
 Eyes deep set C  
**Punctal atresia C**  
 Iris cysts M  
 Pigmentary Uveitis/Glaucoma  
 PRA M  
 Pigment spots on lens M  
 Retinal dysplasia C  
 Uveitis, skin pigment loss, VKH M

## **Great Dane**

Cataract M

**Cherry eye/ TE Cartilage eversion**

Distichiasis M

Ectropion C

Entropion M

Eye small C

Iris cyst inducing glaucoma M

Orbits oversized/deep set eyes C

PRA M

**Palpebral fissures oversized/diamond eyes C**

Primary glaucoma M

Retinal detachment/dysplasia (Harlequin Dane) C

Tapetum absent C

Third eyelid turned in or out M

## **Greyhound**

Cataracts M

Corneal dystrophy M

Distichiasis M

Greyhound retinal degeneration M

Lens luxation M

Pannus M

PPM C

PRA M

## **Irish Setter**

Cataract M

Corneal dystrophy M

Corneal ulcer M

Distichiasis M

Eyes deep set due to large orbit C

Entropion M

Ectropion M

Lens luxation M

PRA M

Retinal blood vessels tortuous C

Retinal folds/dysplasia C

Rod-cone dysplasia/PRA, early onset C

Third eyelid turned out M

Uveitis skin pigment loss, VKH M

## **Italian Greyhound**

Cataracts M

Corneal dystrophy M

PRA M

Pannus M

### **Jack Russell Terrier**

Iris atrophy M  
**Lens Luxation M**  
Glaucoma M

### **Japanese Chin**

Cataract M  
Corneal Ulcer M  
Medial Entropion – tear staining syndrome M  
Eyelid openings narrow C  
PRA M

### **Keeshond**

Cataract M  
CRA C  
Distichiasis M  
Optic nerve hypoplasia C  
PRA M

### **Kelpie**

Primary glaucoma M  
PRA M  
Pannus M

### **Labrador Retriever**

Cataracts M  
Deep set eyes C  
Distichiasis M  
Ectropion M  
**Entropion M**  
Iris cyst M  
**PRA M**  
Retinal Dysplasia M  
**Star Cataracts – C,M**

### **Maltese**

Caruncles hairy C  
Cataract C, M  
**Cherry eye M**  
Corneal dystrophy/cloudy cornea M  
Distichiasis M  
Glaucoma M  
Watery eye/poor tear drainage M

### **Mastiff**

Corneal lipid dystrophy M  
Ectropion M  
**Entropion M**

Eyelids oversized/diamond eyes M  
Retinal dysplasia (multifocal) C

### **Miniature Fox Terrier**

Distichiasis M  
Primary glaucoma M  
**Lens luxation M**

### **Miniature and Toy Poodle**

Cataract M  
Corneal endothelial dystrophy M  
**Distichiasis M**  
**Dry eye (Miniature Poodle) M**  
Entropion - medial  
Palpebral fissures oversized C  
**PRA**  
Prominent eyes C  
Micro-ophthalmia - small eye

### **Lhasa Apso**

Caruncles hairy C  
Cataract M  
**Cherry eye M**  
Corneal lipid M  
Corneal ulcer M  
Distichiasis M  
Dry eye M  
Ectopic cilia M  
Entropion M  
Exposure Keratitis M  
Medial entropion C  
Nasal fold trichiasis M  
PRA M  
Watery Eye - lazy tear ducts

### **Miniature Schnauzer**

Absence of tear drainage apparatus M  
**Cataract C, M**  
Corneal degeneration/dystrophy M  
**Distichiasis M**  
**Dry eye M**  
Entropion M  
Iris atrophy M  
Lens luxation M  
Optic nerve hypoplasia C  
Micro-ophthalmia - small eye C  
PPM C  
PRA, early onset M  
PRA, late onset M  
Retinal folds, dysplasia C  
Watery eye M

## **Newfoundland**

### **Cherry Eye M**

Ectropion C

Entropion M

Orbits oversized C

Palpebral fissures over-sized/**diamond eye** C

Third eyelid cartilage folded out M

## **Norwegian Elkhound**

Cataract M

Distichiasis M

Entropion M

Glaucoma M

Lensluxation M

PRA - early onset C

PRA/rod dysplasia C

PPM with and without cataract C

Retinal folds, dysplasia C

## **Old English Sheep Dog**

### **Cataract C**

Cataract and retinal detachment C

Distichiasis M

Ectropion M

Entropion, spastic M

Eye small, cataracts, other eye defects C

Palpebral fissures oversized C

Heterocliromia C

PPM C

PRA M

Retinal folds, dysplasia C

Uveitis, skin pigment loss, VKH M

## **Papillon**

Cataract M

Entropion M

PPM C

## **Pekingese**

Caruncles hairy C

Cherry eye M

Corneal inflammation, pigment M

Corneal ulcer M

**Distichiasis M**

**Ectopic cilia M**

Entropion C

Exotropia C

Medial entropion C

Nasal fold trichiasis C

**PRA M**

Palpebral fissures oversized C  
Prominent eye/poorly developed orbits C  
Tear drainage apparatus small, absent C  
Turned eye C

**Pug**

Caruncles hairy C  
**Corneal ulcer M**  
Ectopic cilia M  
Entropion - medial C  
Exotropia C  
**Medial entropion C**  
**Nasal fold trichiasis C**  
PRA M  
**Palpebral fissures oversized C**  
Prominent eye/poorly developed orbits C

**Pointer**

Cataract M  
Corneal dystrophy M  
Entropion M  
PRA M

**Pomeranian**

**Cataract M**  
Distichiasis M  
Entropion M  
Eyelashes deviated M  
PRA M  
Palpebral fissures narrow C  
Tear duct absent/small C  
Watery eye M

**Poodle see**

Miniature and Toy Poodle, Standard Poodle

**Puli (Hungarian Puli)**

Cataract M  
Iridocorneal angle malformed C  
Iris atrophy M  
Micropunctum C  
Optic disc small C  
PPM C  
PRA M  
Palpebral fissures oversized C  
**Retinal dysplasia C**

**Rhodesian Ridgeback**

Cataract M

**Distichiasis M****Entropion M**

PPM C

Palpebral fissures oversized M

Third eyelid cartilage eversion M

**Rottweiler**

Cataract C

Corneal ulcer M

**Entropion M**

Iris cyst M

Lateral entropion M

Orbits oversized/eyes deep set C

PPM C

PRA M

Palpebral fissures oversized C

Retinal detachment M

Retinal folds/dysplasia C

Micro-ophthalmia - small eye C

**Saint Bernard**

Cataract M

**Cherry eye M**

Distichiasis M

Ectropion M

Entropion M

Facial skin redundant C

Forehead skin redundant C

Hairy growth (dermoid) C

Lens absent C

Multiple eye defects C

Optic nerve hypoplasia C

Orbits oversized C

**Palpebral fissures oversized (diamond eye) C**

Third eyelid turned in or out M

Upper lid drooping C

Uveitis skin pigment loss, VKH M

**Samoyed**

Cataract M

Conjunctival pigment M

Corneal dystrophy C

Distichiasis M

Entropion M

Eyes small C

Glaucoma M

Indolent Corneal ulceration M

Multiple eye defects and dwarfism C

Optic nerve coloboma C

PPM C  
PRA M  
Retinal dysplasia with abnormal vitreous C  
Uveitis, skin pigment loss VKH M

### **Shar Pei**

Cherry eye C  
**Combination of entropion and ectropion M**  
**Ectropion C**  
**Entropion of lateral canthus M**  
Eye small C  
Facial and forehead skin redundant C  
**Glaucoma M**  
Medial entropion M  
Multiple eye defects C  
Upper lid drooping M

### **Shetland Sheepdog**

**Collie eye anomaly C**  
Corneal dystrophy/dry eye M  
**Distichiasis M**  
Dry eye M  
**Ectopic cilia M**  
Heterochromia (wall eye) C  
Nodular granulomatous episclerokeratitis  
Optic disc small C  
Optic nerve coloboma C  
Palpebral fissures small C  
PPM C  
PRA M  
Punctate keratitis M  
Retinal folds/dysplasia M  
Uveal skin pigment loss VKII M  
Vision loss (amaurosis) M

### **Shih Tzu**

Caruncles hairy C  
**Cataract M**  
**Corneal inflammation, ulcer M - beware ulcer in this breed turn badly very quickly!**  
Distichiasis M  
**Dry eye M**  
Medial entropion M  
Multiple eye defects C  
Optic nerve hypoplasia C  
Optic disc small C  
PRA M  
Prominent eye/poorly developed orbit C  
Retinal detachment, vitreous degeneration M

**Siberian Husky**

Cataract M  
**Corneal dystrophy** (2 types) M  
 Entropion M  
 Eye small C  
 Eyelid neoplasia M  
 Glaucoma M  
 Heterochromia (wall eye) C  
 Lens luxation M  
 Optic nerve coloboma C  
 PPM C  
 PRA M  
 Retinal albinotic spots C  
 Retinal folds/dysplasia C  
 Tear duct openings small, absent C  
 Uveitis, skin pigment loss, VKH M

**Staffordshire Bull Terrier**

Cataract M  
**Distichiasis** M  
 Entropion M  
 PHPV - sometimes with misshaped lens (lenticonus) C  
 PRA M  
 Superficial stromal keratitis (SSK/pannus) M

**Standard Poodle**

Caruncles hairy C  
 Cataract C  
 Cataract M  
**Entropion, spastic** M  
 Night blindness C  
 Orbits oversized C  
 Optic nerve hypoplasia C  
 PPM C  
 PRA M  
 Palpebral fissures oversized C  
 Retinal folds, dysplasia C  
 Tapetum, islands in non-tapetal fundus C  
 Tear duct openings small or absent C

**Tibetan Spaniel**

Distichiasis M  
 Entropion M  
 Eye small C  
 Heterochromia (wall eye) C  
 Optic disc small C  
 Optic nerve small C  
 Optic nerve coloboma C  
 PRA M  
 PPM C  
 Palpebral fissures oversized C  
 Watery eye M

### **Tibetan Terrier**

Cataract M  
CRA M  
**Lens luxation M**  
Night blindness C  
PPM C  
PRA - early onset (one to three years  
night blindness) M  
PRA night blindness (RDI) C  
PRA M  
Pigment spots on lens C  
Retinal folds, dysplasia C

### **Weimaraner**

Cataract and retinal dysplasia C  
Cherry eye M  
Corneal dystrophy M  
Corneal ulcer M  
Distichiasis M  
Entropion M  
Orbits oversized M  
PRA M

### **Third eyelid cartilage eversion**

### **Welsh Corgi (Cardigan)**

Corneal ulcer M  
CRA M  
Entropion M  
Lens luxation M  
Indolent Corneal ucleration M  
PPM C  
PRA M  
Retinal dysplasia C  
Retinal dysplasia and abnormal  
vitreous C

### **Welsh Corgi (Pembroke)**

Cataract C  
**Cataract M**  
Corneal dystrophy M  
Indolent Corneal ucleration M  
Lens luxation M  
PRA M  
**PPM C**  
Retinal folds, dysplasia C

### **Welsh Springer Spaniel**

Cataract C  
Cataract M  
Distichiasis M

Entropion M  
Palpebral fissures oversized C

**Glaucoma M**

PPM C  
PRA M

**Welsh Terrier**

Cataract C  
Cataract M  
Eyelashes overlong C  
Glaucoma M  
Lens luxation M  
PPM C  
PRA M

**West Highland White Terrier**

Cataract C  
Cataract M  
**Dry eye M**  
Eye small C  
Lens luxation M  
PPM C  
PRA M

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