

## Appendix V:

### ACES submissions as a percentage of registrations (2009) & Litters July 2010 - June 2011

<b>Breed</b>	<b>Sch 1</b>	<b>Sch 2</b>	<b>Repeat defects</b>	<b>Litters</b>
Golden Retriever ( <b>513, 18.63%</b> ) 475 no lesions (excl. gonioscopy) 463 no lesions (incl. gonioscopy) Gonioscopy requested: 48	HC (PPC) 11 MRD 9 (#) (2 geogr, 1 det.)	nil	distichiasis 0 lid apposn./puncta 0 corneal lipidosis 6 iris cysts 1, PPM 1 goniodysgenesis (>33%) 12 lenticonus 1, retinal scars 4 (#)	3L, 2 unaff PPM (I-L)
Labrador Retriever ( <b>218, 5.06%</b> ) * 200 showed no lesions. Gonioscopy is not routine	HC (PPC) 4 MRD 0 (#)	nil	distichiasis 2 corneal lipidosis 5 nuclear/cortical cataract 4 l/lid ectropion/elong.PF 3 retinal scars 6 (#)	10L, 8 unaff 57P, 1 MRD
Cavalier K Charles Sp ( <b>185, 5.79%</b> ) 151 showed no lesions	MRD 16 (4 geogr.)	nil	distichiasis 8 corneal lipidosis 5 nuclear cataract 1 post/cort. cataract 1 PPM (I-I, I-L) 2 KCS/pigt.keratitis 2 lenticonus /cataract 1	24L (104 P) 3P cortical cataract 1P PHPV/cataract 7P ?MRD
Australian Shepherd ( <b>165, 38.37%</b> ) 86 showed no lesions	nil	HC (PPC) 7 (4: large)	distichiasis 4 corneal lipidosis 2 MRD 3 detached retina 1	21L, 144 pups 11P distichiasis 1P iris coloboma 2P MRD
Miniature Schnauzer ( <b>153, 11.88%</b> ) 146 showed no lesions	HC 1 (hypermature)	nil	distichiasis 10 p/polar cataracts 2 ONH micropapilla 1 corneal lipidosis 1	17L, 73 pups 3P distichiasis
Border Collie ( <b>65, 2.93%</b> )** 54 no lesions (excl. gonioscopy) Gonioscopy requested 38 N. gonioscopy, no other lesions 27	CH 3	nil	distichiasis 2 cortical cataracts etc. 6 minor PLD, narrow angle 2 goniodysgenesis < 50% 4; > 50% 5	5L, 20 pups all unaff
Siberian Husky ( <b>51, 8.95%</b> ) 36 no lesions (excl. gonioscopy) 26 no lesions (incl. gonioscopy) Gonioscopy requested 38	Goniodysgenesis 10 HC 4 (PPC)		PLD severe 4, moderate 4 PLD <33% 2 narrow angle 1 distichiasis 1, PPM 1	nil

Basset Hound ( <b>48, 17.20%</b> ) 12 no lesions (incl.gonioscopy) Gonioscopy requested 44	goniodysgenesis 15		PLD or narrow angle 21 > 33% goniodysgenesis 15 sig. lid involn./keratitis 15 other lid defects 3, PPC 3	nil
Staffordshire Bull Terrier( <b>44, 1.0%</b> )**nil 30 showed no lesions	nil		distichiasis 13 MRD 3 post-capsular cataract 1 (bilat., not assoc PHPV)	27L, 130 pups 19 L unaff. 7L distichiasis 3P MRD, 2P PHPV
Am. Cocker Spaniel ( <b>36, 31.30%</b> ) 26 no lesions (excl.gonioscopy) 18 no lesions (incl. gonioscopy) Gonioscopy requested 20	MRD 1 HC 0	nil	distichiasis 6 ONH micropapilla 1 PLD or narrow angle 6 goniodysgenesis >50 % 2	nil
Belgian Shepherd ( <b>33, 13.81%</b> ) 28 showed no lesions (across all 4 varieties)				
Groenendael 16 / 15 (18% of 2009 regs)			PPM 1	nil
Lakenois 1 / 1				nil
Malenois - / -				nil
Tervueren 16 / 12 (32% of 2009 regs)			HC (PPC) 3, PPM 1	nil
Miniature Bull Terrier ( <b>29, 10.46%</b> ) 25 showed no lesions	PLL 0	nil	lens sub-lux in situ 2 endothelial scars / PPM	nil
Poodle Standard ( <b>22, 5.58%</b> ) 17 showed no lesions	nil	nil	distichiasis 1 cortical cataract 1	3L, 20 pups 1P distichiasis (x)
Finnish Lapphund ( <b>20, 28.57%</b> ) 17 showed no lesions	nil	nil	distichiasis (x) 1 focal lens opacities 2	6L, 30 pups all unaff.
Havanese ( <b>19, 18.10%</b> ) 16 showed no lesions	?	?	distichiasis 3	nil
Basenji ( <b>16, 15.38%</b> ) 9 showed no lesions	PPM (I-I) 5 PPM (I-C) 2	nil	nil	2L, 10 pups 5P PPM (I-I) 1P PPM (I-C)
Curly Coat Retriever ( <b>15, 22.38%</b> ) 12 showed no lesions	nil	nil	distichiasis 1 perinuclear cataract 1	nil
Shetland Sheepdog ( <b>15, 2.22%</b> ) * 12 showed no lesions	CH typical 3	nil	persistent hyaloid 2	89L, 329 pups 47 L unaffected 17 L mild CH 16 L moderate CH 6 L + coloboma 2P ret.detachment 1P ret.haemorrhage

Alaskan Malamute ( <b>14, 4.15%</b> ) 11 no lesions (10 excl. gonioscopy) Gonioscopy requested 1	HC 0	nil	PPM 1 cortical cataract 2 pers. hyaloid BV 1	4L , 16 pups all unaff.
Eng. Springer Spaniel ( <b>13, 3.32%</b> )*	nil	nil	all unaffected	nil
Flat Coated Retriever ( <b>13, 6.91%</b> ) 11 no lesions (excl gonioscopy) 8 no lesions (incl gonioscopy)	goniodysgenesis 3		distichiasis (x) 3 pers. hyaloid BV 1 chorioretinal scars 1	nil
Welsh Springer Spaniel ( <b>13, 15.1%</b> )* 7 no lesions (incl gonioscopy) Gonioscopy requested 10	goniodysgenesis 2		distichiasis 1	1L, 1pup all unaff.
Griffon Bruxellois ( <b>12, 8.45%</b> ) 10 showed no lesions	nil	nil	pers. hyaloid+cat 1 PRA + sec. cataract 1	nil
Nova Scotia DT Retriever ( <b>12, 19%</b> ) 9 showed no lesions	nil	nil	distichiasis 1, c. lipidosis 1 unilateral microphthalmia 1	2L, 12 pups all unaff.
Leonberger ( <b>11, 36.66%</b> ) 9 showed no lesions	nil	nil	PPM 1 (I-C) distichiasis (x) 1	nil
Portugese Water Dog ( <b>10, 8.70%</b> ) 9 showed no lesions	nil	nil	hyaloid remnants 1	nil
Swedish Vallhund ( <b>10, 25.64%</b> ) 9 showed no lesions	nil	nil	distichiasis 1	2L, 9 pups all unaff.
Australian Cattle Dog ( <b>9, 0.81%</b> )**	nil	nil	all unaffected	nil
Field Spaniel ( <b>9, 25.0%</b> ) 7 no lesions (excl gonioscopy) Gonioscopy requested 1	nil	MRD 2	nil	nil
Italian Greyhound ( <b>9, 2.51%</b> ) 9 showed no lesions	nil	nil	liquefaction of vitreous (age related)	nil
Aust Stumpy Cattle Dog ( <b>8, 5.37%</b> )	nil	nil	all unaffected	nil
Clumber Spaniel ( <b>8, 50%</b> ) 2 showed no lesions	nil	nil	ill-fitting lid margins 2 punctal atresia 2, distich. 2 PPC cat 1, post cortical cat 1	1L, 2 pups
Poodle Miniature ( <b>8, 1.71%</b> ) 7 showed no lesions	nil	nil	ON hypoplasia 1 distichiasis 1	nil
Samoyed ( <b>8, 2.07%</b> )	nil	nil	distichiasis 1	nil

				goniodysgenesis >50% 2	
4 no lesions (incl gonioscopy) Gonioscopy requested 6					
Pug (7, 0.44%) ** 2 showed no lesions	nil	nil	med. l/lid entropion 5 + ext. corneal melanosis	nil	
Welsh Corgi Pembroke (7, 1.94%)	nil	nil	all unaffected	nil	
Chinese Crested Dog (6, 2.60%)	nil	nil	all unaffected	nil	
Collie Rough (6, 1.61%)** 2 showed no lesions	CH 2 CH+colo 2 +1 microphthalmia +1 ret.detachment/MOD		> 54 Litters tested (291P); 5L unaff (26P). > 49 Litters CEA affected - including > 49 L Choroidal hypoplasia mod-severe > 11L CH+coloboma, 10L retinal det/Hge > 2L microphthalmia; 1L distichiasis > 2P PPMs, 3P retinal folds / ?MRD		
Tibetan Spaniel (6, 1.89%) 5 showed no lesions	nil	nil	arcuate lipidosis OU 1	nil	
German Pinscher (5, 23.81%)	nil	nil	all unaffected	nil	
Jack Russell Terrier (5, 0.46%)** 4 showed no lesions	nil	nil	distichiasis 1	nil	
Old English Sheepdog (5, 3.82%) 4 showed no lesions	nil	nil	distichiasis 1	nil	
Papillon (5, 0.96%)** 4 showed no lesions	nil	nil	axial corneal lipidosis 1	nil	
Puli (5, 16.66%)	nil	nil	all unaffected	4L, 11 pups all unaff.	
Tibetan Terrier (5, 5.88%)	nil	nil	all unaffected	nil	
Brittany (4, 5.0%)	nil	nil	all unaffected	nil	
Dogue de Bordeaux (4, 0.97%)** 3 showed no lesions	nil	nil	distichiasis (x) OU 1	nil	
Rottweiler (4, 0.30%)** 2 showed no lesions	nil	nil	PPC cataracts OU 2	nil	
American Staffordshire (2, 0.12%)**	nil	nil	all unaffected	nil	
Bedlington Terrier (2, 4.44%)	nil	nil	all unaffected	nil	
Bernese Mountain Dog (2, 0.79%)** 1 showed no lesions	nil	nil	TEL cartilage defect - 1	nil	

Neapolitan Mastiff (2, 1.20%)**	?	?	all unaffected	nil
Akita (1, 0.71%) **	nil	nil	all unaffected	nil
Boston Terrier (1, 0.50%)**	HC 1	nil	(early onset cat. OU)	1L, 4 pups all unaff.
Doberman Pinscher (1, 0.01%)**	nil	nil	nil	nil
Giant Schnauzer (1, 3.70%)	nil	nil	nil	nil
Lowchen (1, 1.16%) *	nil	nil	all unaffected	nil
Poodle Toy (1, 0.07%)**	nil	nil	all unaffected	nil
Weimaraner long hair (1, 5.0%)	nil	nil	all unaffected	nil
Australian Kelpie (0) *	nil	nil	nil	nil
Bearded Collie (0) *	nil	nil	nil	nil
Bichon Frise (0) *	nil	nil	nil	nil
Borzoi (0)	nil	nil	nil	nil
Bouvier des Flandres (0)	nil	nil	nil	nil
Collie Smooth (0) *	nil	nil	nil	5L, 30 pups. CH only 10 P Coloboma 0
Dalmatian (0) *	nil	nil	nil	nil
Dandie Dinmont (0) *	nil	nil	nil	nil
French Bulldog (0) *	nil	nil	nil	nil
Gernan Shorthaired Pointer (0) *	nil	nil	nil	nil
German Spitz (Mittel) (0) *	nil	nil	nil	nil
Gordon Setter (0) *	nil	nil	nil	nil
Hungarian Vizsla (0) *	nil	nil	nil	nil
Lagotto romagnolo (0) *	nil	nil	nil	nil
Norfolk Terrier (0)	nil	nil	nil	nil
Petit Basset Griffon Vendeen (0) *	nil	nil	nil	nil
Pointer (0) *	nil	nil	nil	nil
Polish Lowland Sheepdog (0) *	nil	nil	nil	nil
Swedish Lapphund (0)	nil	nil	nil	nil
Weimaraner (0) *	nil	nil	nil	nil
Whippet (0)	nil	nil	nil	nil
Yorkshire Terrier (0)	nil	nil	nil	nil

\* indicates a significant drop-off in adult submissions

\*\* indicates an unrealistically small sample for the numbers registered annually with ANKC

Totals for the period 16 June 2010 to 24 June 2011      1875 Adult exams      281 Litters

**Totals reported to date :**                      9083 adult exams                      1225 litter assessments  
**Forms distributed by AVA:**                      10,450 adult forms                      1,850 litter forms

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**26 June 2011**