

### Appendix III :

#### ACES submissions as a percentage of registrations (2007) & Litters) 1 July 2008 – 4 June 2009

<b>Breed</b>	<b>Sch 1</b>	<b>Sch 2</b>	<b>Repeat defects</b>	<b>Litters</b>
Golden Retriever ( <b>578, 20.11%</b> ) (510 showed no lesions incl. 20 gonioscopy N.)	HC 15 MRD 15	nil	distichiasis 6, lid apposn./puncta 5 corneal lipidosis 4 iris cysts 2, PPM 3 nuclear/cortical cataract 11 goniodysgenesis (>33%) 4 retinal scars (non-congen) 8	7L, 6 unaff 2P MRD geo.
Labrador Retriever ( <b>332, 7.39%</b> ) (301 showed no lesions)	HC 7 MRD 6 (1.geo) PRA 2	nil	distichiasis 2, corneal lipidosis 2 eyelid agenesis 1 nuclear/cortical cataract 4 PPM 2, RPED 1 retinal scars (non-congen) 3 post.seg. staphyloma 1	4L, 4 unaff
Cavalier K Charles Sp ( <b>164, 5.49%</b> ) 141 showed no lesions	MRD 2	nil	distichiasis 4, KCS 1 lipid dystrophy 5 nuclear cataract 2 perinuclear cataract 3 retinal scars 2	11L, 10 unaff 2P MRD?
Miniature Schnauzer ( <b>142, 11.88%</b> ) 125 showed no lesions	HC 4	nil	distichiasis 8 focal cataracts 5	17L, 15 unaff 1P p/hyaloid 1P PTVL
Australian Shepherd ( <b>73, 21.53%</b> ) 69 showed no lesions	nil	HC 1	distichiasis 3 retinal scar 1	36L, 25 unaff 3L distichiasis 6L retinal folds 1P iris coloboma 1P ON coloboma & retinal sepn.
Border Collie ( <b>69, 3.49%</b> ) 50 showed no lesions (incl gonio) 8 showed no lesions (excl. gonio)	nil	nil	distichiasis 3 goniodysgenesis 9 focal cataract 2	7L, 5 unaff. 2P CH 1P Ret det/H
Staffordshire Bull Terrier( <b>66, 1.65%</b> ) 54 showed no lesions	nil	nil	distichiasis 9 focal cataract 2 retinal scars 1	19L, 9 unaff 9P distichia 2P MRD focal 1P MRD geo.

Siberian Husky ( <b>61, 9.08%</b> ) 48 showed no lesions, incl. 43 gonioscopy N.	G 7 HC 1	nil	distichiasis 2, PPM 2 corneal lipidosis 1	
Am. Cocker Spaniel ( <b>37, 26.43%</b> ) 13 showed no lesions	MRD 5 HC 1	nil	distichiasis 19 punctal atresia 13 goniodysgenesis 2 PPM 1 (iris-cornea)	nil
Belgian Shepherd ( <b>36, 15.32%</b> )				
Groenendael 21	PPC 1			nil
Malenois 1	nil			nil
Tervueren 14	nil			nil
Miniature Bull Terrier ( <b>36, 17.22%</b> ) 29 showed no lesions	PLL 3	nil	distichiasis 2 corneal degen 1 Lens s/lux in situ 1	nil
Shetland Sheepdog ( <b>31, 3.51%</b> ) 14 showed no lesions	CH 14 Retinal Hge 1	nil	distichiasis 3 PPM 1	79L, 40 unaff 86P CH only 10P ON coloboma 4P microphthalmia
Welsh Springer Spaniel ( <b>31, 41.9%</b> ) 17 showed no lesions	goniodys- 8 genesis	nil	distichiasis 6 PPM 2	nil
Samoyed ( <b>27, 6.77%</b> ) 13 showed no lesions (excl gonio) 7 showed no lesions (incl gonio)	nil	nil	distichiasis 3 focal cataract 1 ON coloboma 2	
Alaskan Malamute ( <b>25, 8.47%</b> ) 18 showed no lesions	HC 3	nil	PPM 2, MRD 1 focal cataract 1 ON coloboma 1	1L, 1 unaff
Aust Stumpy Cattle Dog( <b>25, 15.72%</b> ) 23 showed no lesions	PRA 2	nil	nil	nil
Eng. Springer Spaniel ( <b>19, 7.78%</b> ) 16 showed no lesions	nil	nil	entropion 1 subcaps cataract 2 MRD 2	2L, 2 unaff
Finnish Lapphund ( <b>17, 36.17%</b> ) 13 showed no lesions	nil	nil	PPC (?HC) 1 MRD 2 lipid dystrophy 1	nil
Tibetan Terrier ( <b>16, 35.55%</b> ) 9 showed no lesions	nil	HC 1	PPM 4 (iris-iris) MRD 2	nil

Bichon Frise ( <b>14, 2.94%</b> ) 12 showed no lesions	nil	nil	PPM 1 focal caps cataract 1	nil
Flat Coated Retriever ( <b>14, 14.14%</b> ) 11 showed no lesions	goniodys- 1 genesis	nil	distichiasis 3	nil
Italian Greyhound ( <b>14, 4.35%</b> ) 12 showed no lesions	nil	nil	PRA/abiotrophy 1 cortical cataract 1 vitreous degen 1	
Poodle Standard ( <b>14, 3.01%</b> ) 13 showed no lesions	nil	nil	PPM 1 (iris-iris)	nil
Poodle Miniature ( <b>5, 1.11%</b> ) 2 showed no lesions	nil	nil	distichiasis 3	nil
Poodle Toy ( <b>1, 0.07%</b> )	nil	nil	iris coloboma 1	1L 1 unaff
German Pinscher ( <b>13, 29.54%</b> )	nil	nil	nil	nil
Curly Coat Retriever ( <b>12, 14.11%</b> ) 11 showed no lesions	nil	nil	MRD 1	nil
Nova Scotia DT Retriever( <b>12, 25.0%</b> ) 12 showed no lesions	nil	nil	nil	2L, 2 unaff
Puli ( <b>12, 31.58%</b> ) 9 showed no lesions	MRD 1	nil	focal cataract 2	5L 4 unaff 5P MRD
Weimaraner ( <b>11, 2.29%</b> ) 10 showed no lesions	nil	nil	distichiasis 1	nil
Jack Russell Terrier ( <b>10, 0.91%</b> )	nil	nil	nil	nil
Parson Russell Terrier ( <b>3, 10.0%</b> )	nil	nil	nil	nil
Leonberger ( <b>10, 43.47%</b> ) 9 showed no lesions	nil	nil	PPM 2	nil
American Staffordshire ( <b>8, 0.82%</b> ) 8 showed no lesions	nil	nil	nil	nil
French Bulldog ( <b>8, 1.81%</b> )	nil	nil	nil	nil
Lowchen ( <b>8, 12.5%</b> ) 6 showed no lesions	nil	nil	distichiasis 2	nil
Akita ( <b>7, 4.83%</b> )	nil	nil	nil	nil

Australian Cattle Dog ( <b>7, 0.66%</b> ) 6 showed no lesions	nil	nil	PPC 1	nil
Griffon Bruxellois ( <b>7, 7.22%</b> )	nil	HC	nil	nil
Shiba Inu ( <b>7, 6.14%</b> )	nil	nil	nil	nil
Dandie Dinmont ( <b>6, 46.15%</b> )	nil	nil	normal on gonio 6	
Swedish Vallhund ( <b>6, 18.75%</b> ) 5 showed no lesions	nil	nil	MRD (?) 1	1L 1 unaff
Tibetan Spaniel ( <b>6, 2.28%</b> ) 5 showed no lesions	nil	nil	distichia 1 lipid dystrophy 1	nil
Welsh Corgi Pembroke ( <b>6, 1.47%</b> )	nil	nil	nil	nil
Basenji ( <b>5, 5.26%</b> )	PPM (iris-iris) nil PPM (iris-cornea)	nil	nil	2L 2 unaff
Chinese Crested Dog ( <b>5, 1.73%</b> ) 3 showed no lesions	nil	nil	vitreal degen 1 capsular cataract 1	nil
Field Spaniel ( <b>5, 16.66%</b> ) 3 showed no lesions	nil	MRD	nil	nil
Giant Schnauzer ( <b>5, 13.15%</b> )	nil	nil	nil	nil
Old English Sheepdog ( <b>5, 4.95%</b> ) 4 showed no defects	nil	nil	distichiasis 1	1L, 1 unaff
Brittany ( <b>4, 3.66%</b> )	nil	nil	nil	nil
Norfolk Terrier ( <b>4, 14.81%</b> ) 1 showed no lesions	nil	nil	PPC 2 ON hypoplasia (blind)	nil
Sussex Spaniel ( <b>4, 50.0%</b> )	nil	nil	nil	1L, 0 unaff 2P MRD 2P aniridia
Bernese Mountain Dog ( <b>3, 1.07%</b> )	nil	nil	nil	nil
Boston Terrier ( <b>3, 2.05%</b> ) 2 showed no lesions	nil	nil	distichiasis 1	2L 1 unaff 2P punctal atr.
Pointer ( <b>3, 1.58%</b> )	nil	nil	nil	nil
English Cocker Spaniel ( <b>2, 0.13%</b> ) 1 showed no lesions	nil	nil	MRD 1	nil

German Spitz (Mittel) (2, 3.03%)	nil	nil	nil	nil
Pug (2, 0.12%)	nil	nil	macroblepharon 2 med. canthal 2 entropion	nil
Soft Coated Wheaten T (2, 5.55%)	nil	nil	nil	nil
Bullmastiff (1)	nil	nil	nil	nil
Collie Rough (1, 0.03%)	CH 1	nil	78 Litters tested, of which 5 unaff. <b>68 Litters (224 pups) CEA evidence</b> <b>47 litters* Choroidal hypoplasia only</b> <b>15 litters* CH + coloboma(s)</b> <b>6 litters* Retinal detachment +/-Hge.</b> <b>2L (3P) clinical microphthalmia</b> <b>1L (2P) ONH hypoplasia</b> Also - 3P distichiasis, 2P PPMs	
		*Approx 185 P in total		
Collie Smooth (1, 1.63%)	CH 1	nil	nil	6L, 2 unaff. 7P CH (of 25) 1P Ret detach
Clumber Spaniel (0)	nil	nil	nil	1L 1 unaff
Dachshund Min Smooth (1)	nil	nil	nil	nil
Dachshund Std Wire H (1)	nil	nil	nil	nil
Doberman Pinscher (1)	nil	nil	nil	nil
German SH Pointer (1)	nil	nil	nil	nil
Glen of Imaal Terrier (1)	nil	nil	nil	nil
Gordon Setter (1)	nil	nil	nil	nil
Great Dane (1)	nil	nil	nil	nil
Hungarian Vizsla (1)	nil	nil	nil	nil
Irish Water Spaniel (1)	nil	nil	nil	nil
Keeshond (1)	nil	nil	nil	nil
Miniature Pinscher (1)	nil	nil	nil	nil
Petit Basset Griffon Vendeen (0)	nil	nil	nil	1L 1 unaff
Rhodesian Ridgeback (1)	nil	nil	nil	nil
Welsh Corgi Cardigan (0)	nil	nil	nil	1L 1 unaff

**Totals for the period 1 July 2008 to 04 June 2009**

**2075 Adult exams    285 Litters**

**Totals reported to date :            5128 adult exams**  
**Forms distributed by AVA:        6275 adult forms**

**704 litter assessments**  
**1500 litter forms**

**Dr Bruce Robertson**  
**ACES Chief Panellist**

**5 June 2009**