

Report from the Kennel Club/
British Small Animal Veterinary Association
Scientific Committee

Summary results of the
Purebred Dog Health Survey
for the Griffon Bruxellois breed

Warning: The results of this survey and particularly the breed-specific analyses should be interpreted with caution. The overall response rate was only 24% with breed-specific response rates from 4.5% to 64.7%.

The Griffon Bruxellois breed

A total of 207 forms were sent out and 72 were returned, representing 179 live dogs. This breed had a 34.8% response rate (72/207) and it represented 0.52% of all returns (72/13,741).

Mortality data

A total of 71 deaths were reported and this represents 0.45% of all deaths reported in the survey (71/15,881). The median age at death for the Griffon Bruxellois breed was 12 years (min = 5 months, max = 19 years and 9 months) and this was higher than the overall median of 11 years and 3 months (Figure 1). Table 1 shows the causes of death for the Griffon Bruxellois breed. Age at death is presented for the most common causes of death (Figure 2).

Table 1. Causes of death by organ system/category for the Griffon Bruxellois breed.

Cause of death	N	%	Most common specific causes in descending order
1 Cardiac	16	22.5	Heart failure; defect unspecified; disease unspecified
2 Cancer	10	14.1	Unspecified; mammary (type unspecified)
3 Old age	9	12.7	Old age
4 Urologic	7	9.9	Kidney failure (chronic > acute)
5 Combinations	4	5.6	
6 Endocrine	4	5.6	Cushings disease; diabetes mellitus
7 Other	3	4.2	Uncodeable
8 Cerebral vascular	2	2.8	Stroke or cerebral vascular accident
9 Gastrointestinal	2	2.8	Unspecified; haemorrhagic diarrhoea
10 Musculoskeletal	2	2.8	Hip dysplasia; arthritis
11 Neurologic	2	2.8	Meningitis; vestibular disease
12 Reproductive	2	2.8	Pyometra
13 Trauma	2	2.8	Unspecified
14 Drowning	1	1.4	
15 Hepatic	1	1.4	Chronic liver failure
16 Perioperative	1	1.4	
17 Respiratory	1	1.4	Respiratory failure unspecified
18 Senility	1	1.4	
19 Unknown	1	1.4	
Total	71	100.0	

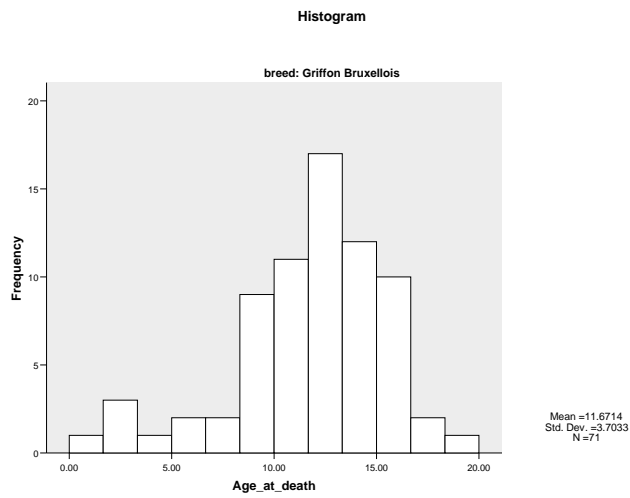


Figure 1. Histogram showing the frequency (as number of dogs) of age at death (in years) for the 71 Griffon Bruxellois deaths with age at death reported.

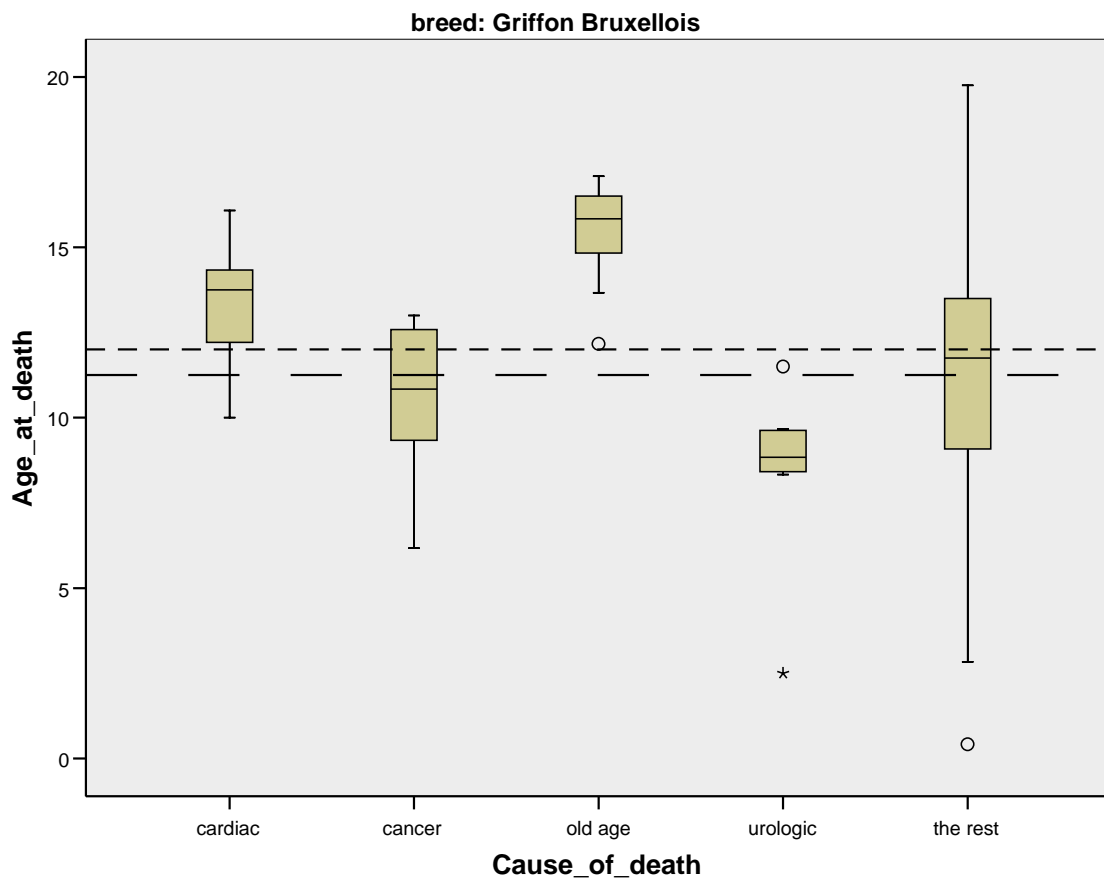


Figure 2. Box and whisker plot of age at death in years for the most common causes of death in the Griffon Bruxellois breed (N=71). The dashed line (---) is the overall median age at death for all dogs in the survey and the dotted line (----) is the overall median age of death for the Griffon Bruxellois breed. The solid line within each grey box represents the median age at death from the condition.

Morbidity data

The median current age of the 179 live dogs with a reported age was 6 years and 1 month (min=1 month, max=17 years and 9 months, Figure 3). Health information was reported for 179 live dogs of which 97 (54%) were healthy and 82 (46%) had at least one reported health condition, resulting in a total of 147 reported conditions with a median of 1 condition/dog (min=1, max=6).

The median current age of all healthy dogs with a reported age (N=97) was 5 years and 5 months (min=3 months, max=13 years and 11 months). The distribution of gender and neuter status is shown in Table 2.

The median current age of all dogs with one or more disease conditions and a reported age (N=77) was 6 years and 8 months (min=1 month, max=17 years and 9 months). The median age at diagnosis for all disease occurrences with a reported age at diagnosis (N=138) was 4 years (min= 3 months, max= 15 years, Figure 4). Table 3 shows the disease conditions for the Griffon Bruxellois breed. Age at diagnosis is presented for the most common disease conditions (Figure 5).

Table 2. Distribution of gender and neuter status for 179 the Griffon Bruxellois breed with reported gender and neuter status.

Gender	Neuter status		Totals
	Intact	Neutered	
Female	59	40	99 (55%)
Male	57	23	80 (45%)
Totals	116 (65%)	63 (35%)	179 (100%)

There was no association between gender and neuter status (P=0.1046).

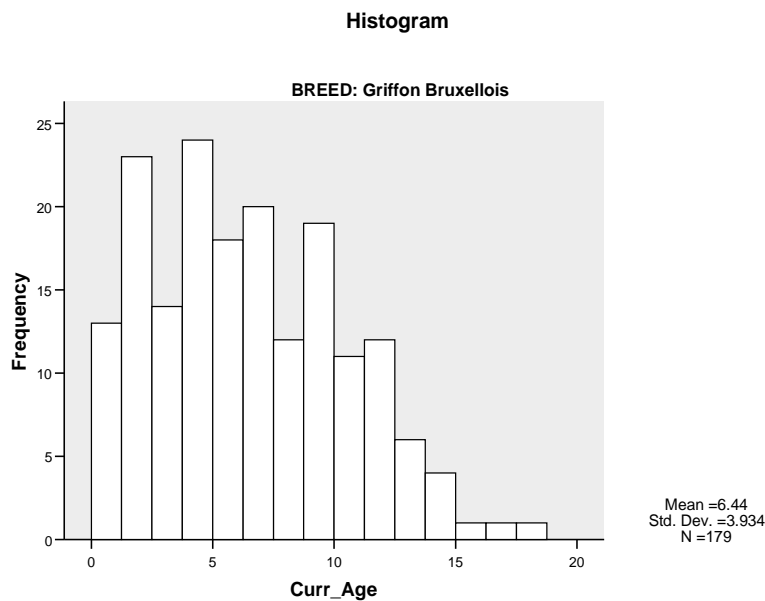


Figure 3. Histogram showing frequency of current age in years for the 179 live the Griffon Bruxellois breed with age reported.

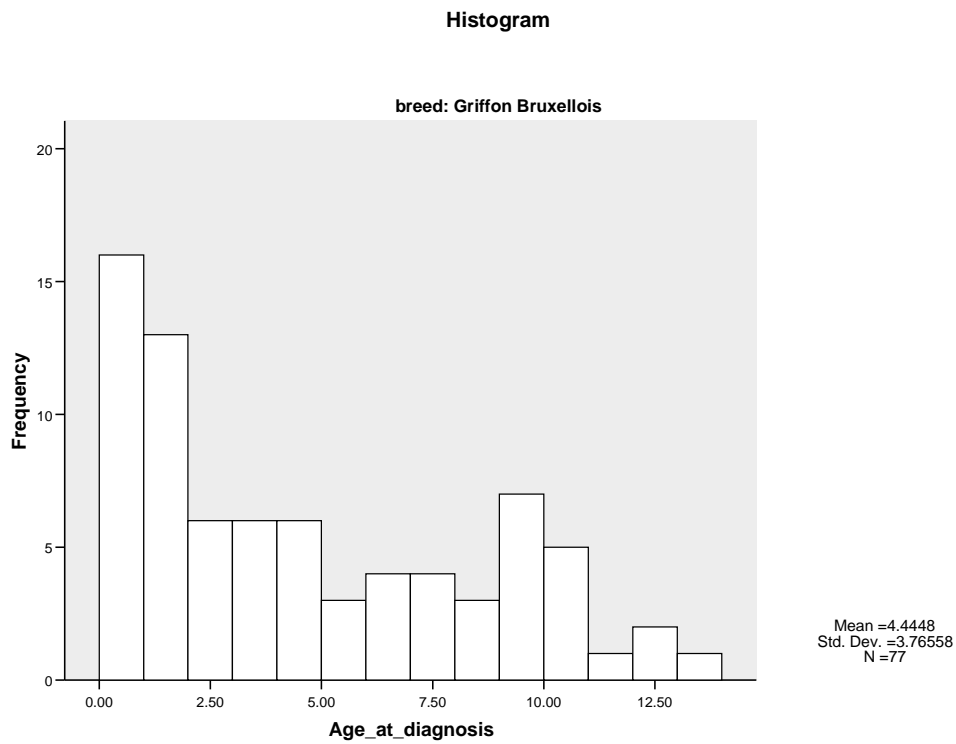


Figure 4. Histogram showing frequency of age at diagnosis for the 77 Griffon Bruxellois breed with one or more disease conditions, using the youngest age at which a disease condition was first reported for those dogs with more than one disease condition or episode.

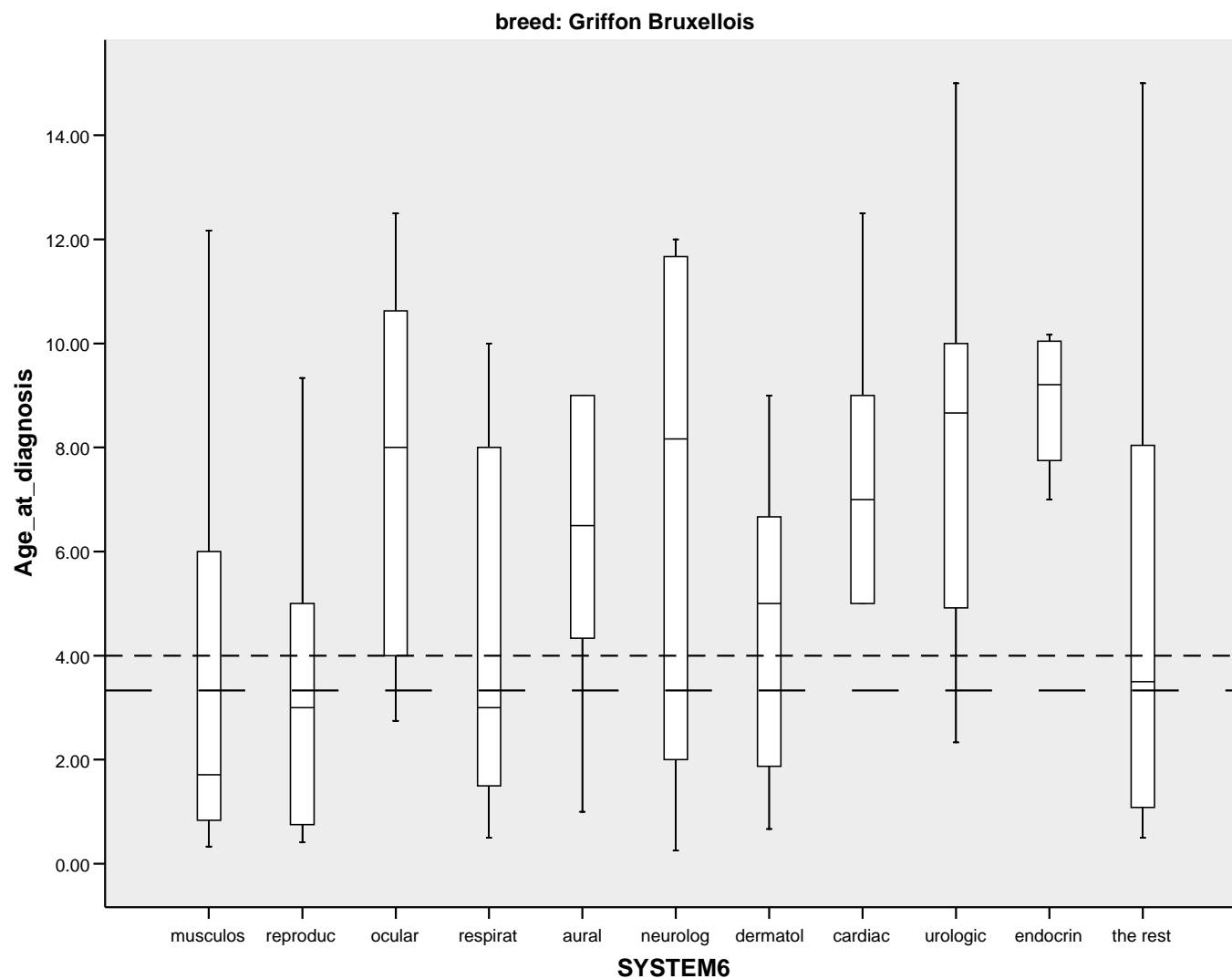


Figure 5. Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order for the Griffon Bruxellois breed (N=77 dogs with 138 conditions with age reported). The dashed line (---) is the overall median age at diagnosis for all dogs in the survey and the dotted line (----) is the overall median age at diagnosis for the Griffon Bruxellois breed. The solid line within each grey box represents the median age at diagnosis from the condition.

Table 3. Disease conditions by organ system/category for the Griffon Bruxellois breed.

Disease condition	All conditions		Most common specific conditions in descending order
	N	%	
1 Musculoskeletal	30	20.4	Patellar luxation; arthritis; CHD
2 Reproductive	19	12.9	Cryptorchid; infertility; pyometra
3 Ocular	16	10.9	Cataracts; KCS; red eye; conjunctivitis
4 Respiratory	11	7.5	Noisy breathing; kennel cough
5 Aural	9	6.1	Otitis externa; excessive ear wax
6 Dental	9	6.1	Retained puppy teeth; dental disease; deformity other than extra teeth
7 Neurologic	9	6.1	Deafness; IVDD (unspecified>lumbosacral); seizures
8 Dermatologic	8	5.4	Dermatitis; alopecia; fading nose pigment
9 Cardiac	5	3.4	Heart murmur (unspecified); cardiomegaly; congestive heart failure (CHF)
10 Urologic	5	3.4	Cysturoliths (calcium oxalate); incontinence; urethral obstruction
11 Endocrine	4	2.7	Hypothyroidism; Cushing's disease
12 Gastrointestinal	4	2.7	Colitis; foreign body obstruction; regurgitation; vomiting
13 Unknown	4	2.7	Unknown; undiagnosed liver disease
14 Benign neoplasia	3	2.0	Lipoma
15 Immune mediated	3	2.0	Dust mite allergy; flea allergy; food hypersensitivity
16 Cancer	2	1.4	Type unspecified
17 Uncode and other	2	1.4	Inguinal hernia; protruding tongue
18 Anal gland	1	0.7	Anal gland stricture
19 Cerebrovascular	1	0.7	Stroke or cerebral vascular accident
20 Hepatic	1	0.7	Unspecified
21 Trauma	1	0.7	Unspecified
Total	147	100.0	