

Supplementary Material to:

Prevalence of spondylosis deformans in the feline spine and correlation with owner-perceived behavioural changes

H. C. Kranenburg¹; B. P. Meij¹; E. M. L. van Hofwegen¹; G. Voorhout²;
L. I. Slingerland¹; P. Picavet³; H. A. W. Hazewinkel¹

¹*Utrecht University, Faculty of Veterinary Medicine, Department of Clinical Sciences of Companion Animals, Utrecht, The Netherlands;* ²*Utrecht University, Faculty of Veterinary Medicine, Division of Diagnostic Imaging, Utrecht, The Netherlands;* ³*Hill's Pet Nutrition, Westbroek, Breda, The Netherlands*

Vet Comp Orthop Traumatol 2012; 25: 217-223

doi:10.3415/VCOT-11-06-0092

Appendix 1: Reason for referral of cats from group 1 and group 2 and from cats of group 2 with spondylosis deformans.

Reason for referral	Group 1	Group 2	Cats with Spondylosis (group 2)
	(n)	(n)	(n)
Pulmonary disease	90	0	0
Cancer	86	19	6
Trauma	57	0	0
Multiple	47	0	0
Cardiology	30	6	2
Gastroenterology	23	6	3
Neurologic	14	0	0
Urology and Nephrology	14	8	0
Fever of Unknown Origin	9	0	0
Haematology	7	1	0
Without final diagnosis	6	0	0
Ears-nose-throat	6	21	8
Hepatology	5	1	1
Other	3	2	0
Endocrinology	3	3	1
Orthopaedics	2	4	0
Dermatology	0	2	0
Vaccination	0	5	1
Abscess	0	1	0
Ophthalmology	0	15	5
Dentistry	0	6	1
Total	402	100	28

Appendix 2: Loading of responses to the questionnaire (first column) into five new variables by ordinal (questions 1 and 2) or categorical principal component analysis (PCA). The loadings > 0.40 and < -0.40 are considered significantly related and depicted in grey. Three possible answers (less, the same or more) were possible for all questions, except questions 4, 9 and 11 (yes or no), question 1 (indoor only, outdoor only, in- and outdoor) and question 2 (“0 hr”, “0 to < 3hrs” or “3 or more hours”).

Questions	PCA variable				
	1	2	3	4	5
01. Indoor or outdoor cat or both.	-0.271	-0.202	0.886	-0.237	-0.044
02. Time spent outside.	-0.271	-0.202	0.886	-0.237	-0.044
03. Change in acceptance of brushing hair coat.	0.351	-0.262	0.191	-0.254	0.257
04. Elimination directly over the edge of the litter box.	-0.159	-0.215	-0.089	-0.359	0.640
05. Change in elimination directly over the edge of the litter box.	-0.210	-0.186	-0.129	-0.504	0.538
06. Change in playing with other animals.	0.064	0.210	0.252	0.228	-0.153
07. Change in activity of the cat.	0.368	-0.005	0.119	0.391	0.107
08. Change in jumping on objects.	0.720	0.073	0.085	0.033	0.122
09. Has the height of objects the cat can jump on decreased?	-0.782	0.114	0.136	0.013	-0.128
10. Change in jumping off objects.	0.705	0.060	0.197	-0.022	0.100
11. Has the height of objects the cat jumps off decreased?	-0.777	0.093	0.037	0.017	0.004
12. Change in jumping high jumps.	0.566	-0.170	-0.097	-0.039	0.057
13. Change in accessibility of cat's favourite places.	0.424	-0.209	0.048	-0.033	0.080
14. Change in walking upstairs.	0.751	-0.073	0.066	-0.184	-0.286
15. Change in walking downstairs.	0.643	-0.137	0.035	0.002	-0.367
16. Change in stiffness.	-0.603	0.227	0.005	0.140	0.167
17. Change in aggressiveness.	0.076	-0.648	-0.315	0.101	0.041
18. Change in cat satisfaction.	0.419	0.513	0.139	-0.185	0.095
19. Change in greeting people.	0.159	0.785	-0.063	-0.174	0.125
20. Change in acceptance being petted.	-0.033	-0.590	0.099	0.477	-0.048
21. Change in inter-cat socialization.	0.037	-0.025	0.047	0.270	0.489
22. Change in number of grooming moments.	0.515	0.167	0.217	0.187	0.399
23. Change in time spent grooming.	0.658	0.083	0.214	0.261	0.254
24. Ever hit by a car?	-0.013	0.450	0.096	0.134	-0.003
25. Lameness in past?	-0.163	0.042	0.322	0.435	0.122
26. Present lameness?	-0.347	0.022	0.026	0.519	0.387