

Serum and Fecal Amino Acid Profiles in Cats with Chronic Kidney Disease

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Table S1. Fecal amino acid concentrations for healthy cats and cats with chronic kidney disease (CKD). Effect size reported as mean difference and standard error of the mean (SEM).

Amino Acid (µg/g)	Healthy cats (n=16)	CKD Cats (n=31)	Unadjusted P-value (Welch t-test)	Mean Difference +/- SEM
Essential Amino Acids				
Isoleucine	24.0 +/- 17.0	25.8 +/- 16.4	0.74	1.7 +/- 5.2
Leucine	38.9 +/- 25.0	37.7 +/- 21.9	0.87	1.2 +/- 7.4
Lysine	5.9 +/- 6.9	8.5 +/- 8.0	0.27	2.5 +/- 2.2
Methionine	8.3 +/- 5.7	9.9 +/- 5.8	0.37	1.6 +/- 1.8
Phenylalanine	18.3 +/- 11.8	17.8 +/- 10.9	0.90	0.4 +/- 3.5
Threonine	4.2 +/- 3.1	5.7 +/- 4.2	0.20	1.4 +/- 1.1
Tryptophan	5.5 +/- 4.4	6.3 +/- 4.3	0.57	0.8 +/- 1.3
Valine	25.7 +/- 17.8	28.1 +/- 18.2	0.66	2.5 +/- 5.5
Nonessential Amino Acids				
Alanine	23.6 +/- 16.7	27.6 +/- 18.8	0.46	4.0 +/- 5.4
Aspartic acid	0.28 +/- 0.6	0.7 +/- 0.7	0.12	0.3 +/- 0.2
Citrulline	5.8 +/- 4.6	7.9 +/- 6.2	0.20	2.1 +/- 1.6
Glutamic acid	2.5 +/- 2.4	4.1 +/- 4.3	0.10	1.6 +/- 1.0
Glycine	1.3 +/- 1.2	2.5 +/- 2.7	0.03	1.2 +/- 0.6
Hydroxyproline	0.70 +/- 0.94	0.52 +/- 0.72	0.51	0.18 +/- 0.27
Ornithine	0.35 +/- 0.46	0.54 +/- 0.55	0.23	0.19 +/- 0.15
Proline	6.9 +/- 4.5	11.6 +/- 9.8	0.03	4.7 +/- 2.1
Serine	1.3 +/- 1.3	1.6 +/- 1.6	0.44	0.33 +/- 0.42
Tyrosine	10.6 +/- 6.6	14.7 +/- 9.9	0.10	4.1 +/- 2.4