

**Supplementary Table S2**—Associations of urine and serum electrolytes in individual dogs.

	<b>Dog 1</b>		<b>Dog 2</b>		<b>Dog 3</b>		<b>Dog 4</b>		<b>Dog 5</b>		<b>Dog 6</b>	
	2 yr M/N		5 yr M/N		0.3 yr M/I		5 yr F/S		3 yr F/S		3 yr M/N	
	28.0 kg		22.8 kg		7.1 kg		23.5 kg		28.1 kg		63.0 kg	
<b>Association</b>	<b>R<sup>2</sup></b>	<b>P</b>	<b>R<sup>2</sup></b>	<b>P</b>	<b>R<sup>2</sup></b>	<b>P</b>	<b>R<sup>2</sup></b>	<b>P</b>	<b>R<sup>2</sup></b>	<b>P</b>	<b>R<sup>2</sup></b>	<b>P</b>
uNa and sNa	0.06	0.584	0.01	0.832	0.09	0.517	<0.01	0.9	0.31	0.194	0.09	0.503
uNa:Cr and sNa	0.54	0.062	0.11	0.46	0.28	0.224	0.06	0.611	0.37	0.147	0.24	0.262
uK and uK	0.01	0.817	<0.01	0.917	0.11	0.475	0.03	0.735	0.29	0.213	0.04	0.658
uK:Cr and sK	0.27	0.229	0.10	0.482	0.04	0.673	<u>0.62</u>	<u>0.037</u>	0.45	0.098	0.30	0.206
uNa:K and sNa:K	<0.01	0.918	0.18	0.341	0.28	0.223	<u>0.70</u>	<u>0.019</u>	0.10	0.483	0.03	0.719

The coefficient of determination ( $R^2$ ) and  $P$  value from linear regression analyses are shown for each of the possible associations in 6 dogs with hypoadrenocorticism that were treated with desoxycorticosterone pivalate. The signalment (age, sex, neuter status, and weight at time of diagnosis) for each dog is also provided. The measures of urine and serum electrolytes were obtained during an initial baseline evaluation as well as 6 recheck evaluations, which encompassed a total of 3 DOCP injections. The units of measure for the electrolyte concentrations were mmol/L, and the ratios were absolute numbers. Significant associations, which are underlined, were only identified in 1 dog. The equations explaining these significant relationships were:

$$\text{serum potassium concentration} = -1.552 * (\text{urine K:Cr}) + 6.8$$

$$\text{serum Na:K ratio} = -3.2 * (\text{urine Na:K ratio}) + 39.5$$

u = urine; s = serum; Na = sodium; Na:Cr = sodium to creatinine ratio; K = potassium; K:Cr = potassium to creatinine ratio; Na:K = sodium to potassium ratio; M = male; F = female; N = neutered; S = spayed; I = intact.