

**Table S6.** Serum electrolytes and urine Ph at 6, 12, 24, and 36 months after kidney donation.

Test	Groups	Visit (Months after donation)				P-Values <sup>a</sup>		
		6 Months	12 Months	24 Months	36 Months	Donors v. Con. <sup>b</sup>	Visit <sup>c</sup>	Interac-tion <sup>d</sup>
Serum potassium (mmol/L)	Controls	4.14±0.32 (197)	4.10±0.29 (187)	4.12±0.31 (177)	4.11±0.28 (172)	0.006	0.1	1.0
	Donors	4.20±0.29 (199)	4.19±0.35 (193)	4.20±0.32 (181)	4.17±0.27 (178)			
Serum sodium (mmol/L)	Controls	138.5±2.0 (198)	138.5±1.9 (193)	138.9±1.9 (182)	139.1±2.1 (173)	0.8	0.001	0.8
	Donors	138.5±1.8 (200)	138.7±1.9 (196)	138.9±1.9 (185)	139.2±2.0 (182)			
Serum chloride (mmol/L)	Controls	103.1±2.1 (198)	103.4±2.1 (193)	103.6±2.1 (182)	103.8±2.2 (173)	0.3	0.001	0.4
	Donors	103.3±2.1 (200)	103.5±2.1 (196)	103.6±2.1 (185)	103.9±2.2 (182)			
Serum CO <sub>2</sub> (mmol/L)	Controls	25.8±4.0 (198)	25.8±4.1 (193)	25.9±4.2 (171)	26.1±25.2 (122)	0.6	0.3	0.2
	Donors	25.8±3.7 (200)	25.3±3.7 (196)	25.5±3.5 (177)	25.2±3.0 (128)			
Urine pH	Controls	6.1±0.8 (186)	6.2±0.8 (183)	6.0±0.8 (167)	6.1±0.8 (157)	0.2	0.4	0.9
	Donors	6.1±0.8 (193)	6.1±0.8 (191)	6.0±0.7 (177)	6.0±0.8 (172)			

Note: Values are given as mean ± standard deviation.

Abbreviations and definitions: CO<sub>2</sub>, total carbon dioxide.

<sup>a</sup>Analysis of variance with repeated measures. Each variable was analyzed separately and no adjustment was made for multiple comparisons. Values not normally distributed were logarithmically transformed before analysis.

<sup>b</sup>Donors versus controls P values test overall differences between donors and controls.

<sup>c</sup>Visit P values test differences between the 4 visits .

<sup>d</sup>Interaction P values test the interaction between donors versus controls and between visits.