

Supplement 2.

*Univariate regression analyses on associations between CKD parameters and neurocognitive functioning*

Outcome variable	Predictors retained in the model	Statistics		
		B (SE)	$\beta$	P
eFSIQ	Age at CKD diagnosis (years)	-.01 (.51)	-.002	-.991
	eGFR (ml/min/1.73 m <sup>2</sup> )	-.18 (.17)	-.198	.313
	Duration severe CKD (% of life)	-.12	-.122	.536
	Dialysis duration (% of life)	-1.88 (.70)	-.464	<b>.013</b>
	Time since kidney transplantation (% of life)	-.27 (.18)	-.288	<b>.138</b>
Processing Speed & Working Memory	Age at CKD diagnosis (years)	-.05 (.02)	-.364	<b>.057</b>
	eGFR (ml/min/1.73 m <sup>2</sup> )	.00 (.01)	.048	.810
	Duration severe CKD (% of life)	.01 (.01)	.135	.494
	Dialysis duration (% of life)	-.13 (.03)	-.653	<b>&lt;.001</b>
	Time since kidney transplantation (% of life)	.00 (.01)	.022	.913
Verbal Fluency	Age at CKD diagnosis (years)	.01 (.03)	.039	.846
	eGFR (ml/min/1.73 m <sup>2</sup> )	-.01 (.01)	-.209	.287
	Duration severe CKD (% of life)	.00 (.01)	.105	.595
	Dialysis duration (% of life)	.01 (.04)	.050	.800
	Time since kidney transplantation (% of life)	-.00 (.01)	-.058	.771

Verbal Memory	Age at CKD diagnosis (years)	.01 (.03)	.062	.755
	eGFR (ml/min/1.73 m <sup>2</sup> )	-.00 (.01)	-.079	.691
	Duration severe CKD (% of life)	-.02 (.01)	-.348	<b>.069</b>
	Dialysis duration (% of life)	-.07 (.04)	-.358	<b>.061</b>
	Time since kidney transplantation (% of life)	-.00 (.01)	-.037	.851
Processing Speed, Switch & Control	Age at CKD diagnosis (years)	.02 (.02)	.171	.385
	eGFR (ml/min/1.73 m <sup>2</sup> )	.01 (.01)	.161	.412
	Duration severe CKD (% of life)	-.01 (.01)	-.220	.260
	Dialysis duration (% of life)	-.04 (.04)	-.217	.268
	Time since kidney transplantation (% of life)	-.00 (.01)	-.057	.773
Switching	Age at CKD diagnosis (years)	.02 (.02)	.191	.329
	eGFR (ml/min/1.73 m <sup>2</sup> )	.01 (.01)	.198	.312
	Duration severe CKD (% of life)	-.01 (.01)	-.120	.544
	Dialysis duration (% of life)	-.03 (.04)	-.146	.459
	Time since kidney transplantation (% of life)	-.01 (.01)	-.163	.406

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*Note.* Abbreviations: CKD = Chronic kidney disease; eFSIQ = Estimation of age-standardized full-scale Intelligence Quotient; eGFR = estimated glomerular filtration rate; SE = Standard Error.