Supplemental Tables:

Table S1. Distribution and descriptive statistics of the predictors used in the Monte Carlo simulation model based on the study cohort data.

	Distribution	Mean	SD	Min	Max
AV/RW (ml/kg)	Extreme value	2.04	0.62	1.04	3.99
Donor eGFR (ml/min/1.73 m^2)	Normal	98.96	16.65	55.9	136
Biopsy score	Bernoulli			0	9
SFD (%)	Weilbull	6.37	5.59	0	30

Table S2. Correlation matrix among the predictors in the Monte Carlo simulation model.

	Weight adjusted donor volume	Donor eGFR	Biopsy score	Delta split function (SFD)
Weight adjusted donor volume	1			
Donor eGFR	0.274	1		
Biopsy score	-0.079	-0.204	1	
Delta split function (SFD)	-0.273	0.0195	0.236	1

Abbreviation: Delta split function = SFD

Table S3. Effect of delta split function on recipient's eGFR at one-year when adequate renal volume (>2 ml/kg) transplanted, based on Monte Carlo simulation data (N=10,000).

Weight adjusted donor volume (ml/kg)	Delta Split function category (%)	Estimated recipient mean (SD) eGFR at one-year (ml/min/1.73 m^2)	Probability of recipients having eGFR>60 ml/min/1.73 m^2 at one-year (%)
2.0-4.0	0-5	63.9 ± 11.6	59.7
	5-10	58.9 ± 11.1	41.5
	10-15	55.6 ± 10.3	28.7
	15-20	52.7 ± 9.9	21.6
	20-25	51.6 ± 10.6	19.6
	25-30	48.4 ± 9.3	8.6

Supplemental Figures:

Figure S1. Measurement of renal volume by CT volumetric technique (tracing of left kidney based on sagittal, coronal and transverse views).

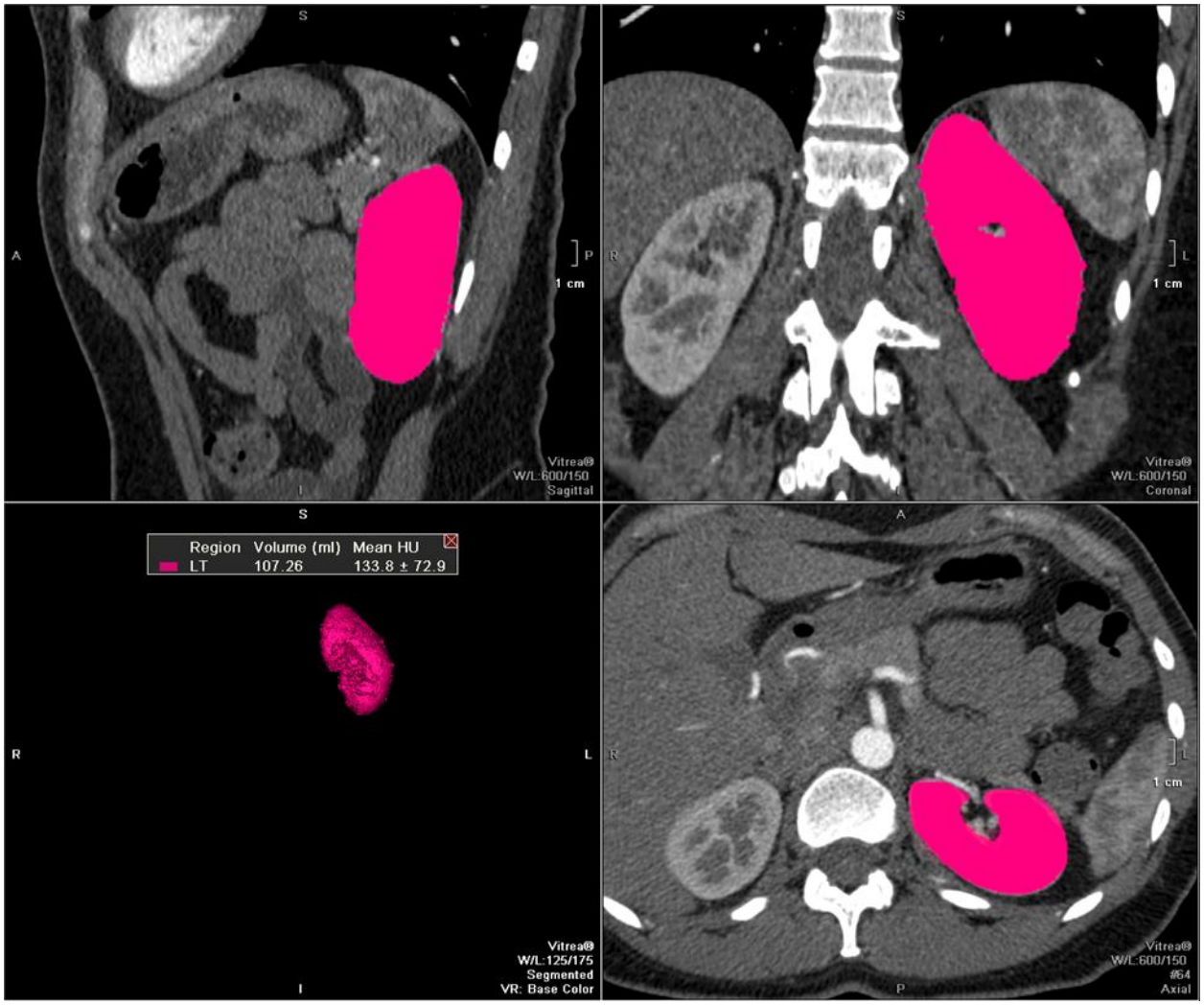


Figure S2 Density histogram of kidney recipient's eGFR at one-year based on the Monte Carlo simulation model (N=10,000).

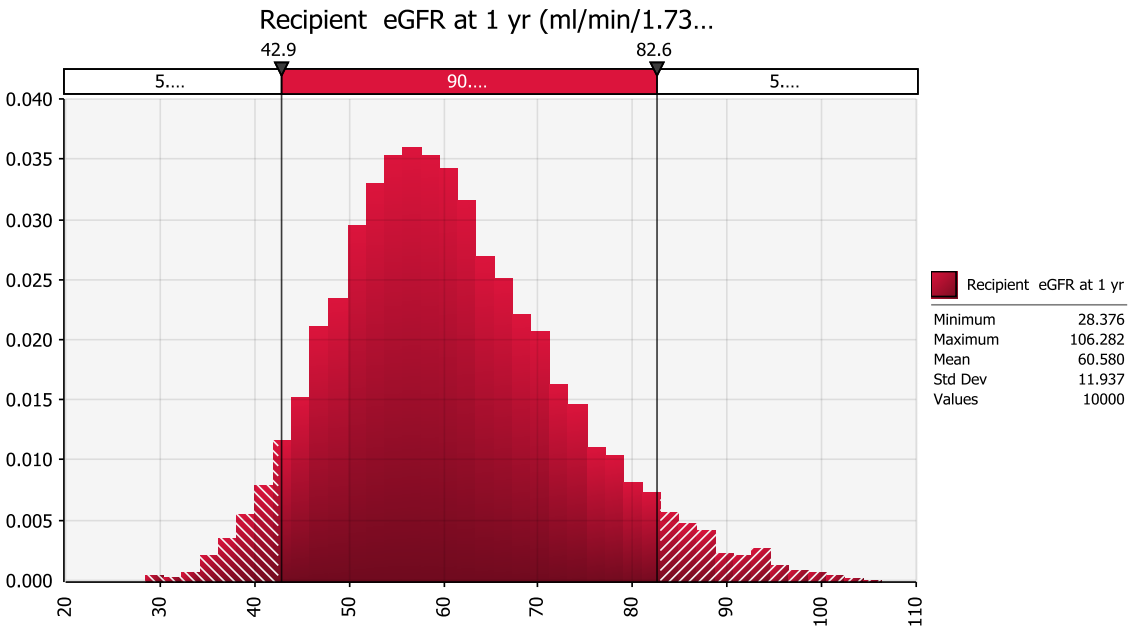
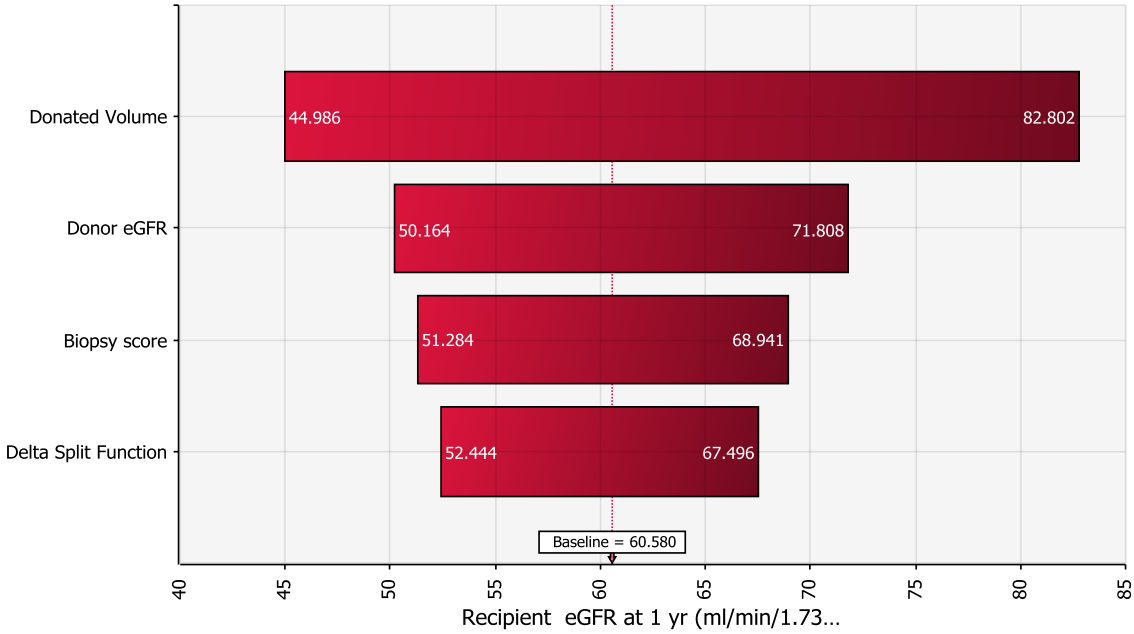


Figure S3. Tornado chart (one-way sensitivity analysis) showing predictors ranked by effect on outcome mean (recipient eGFR at one-year, ml/min/1.73 m^2) in the Monte Carlo simulation model.



Abbreviation: Delta split function = SFD