

APPENDICES

Supplemental Table S1: Characteristics of study cohort versus recipients of deceased donor kidney transplants nationally during the same time period

Variable		Study cohort N=557	National Population N=38,517
Age [IQR]		55 [46-63]	53 [43-62]
Gender Male (%)		351 (63%)	23299 (60%)
African American (%)	Yes	261 (47%)	12148 (32%)
	No	296 (53%)	26369 (68%)
Panel reactive antibody	0%	363 (65%)	23702 (62%)
	1-10%	27 (5%)	1908 (5%)
	11-80%	86 (15%)	7299 (19%)
	>80%	81 (15%)	5608 (15%)
Prior transplant	No	470 (85%)	33509 (87%)
	Yes	85 (15%)	5008 (13%)
	Unknown	1 (0%)	

Supplemental Table S2: Common indications and frequency of dialysis within 1 week of transplantation

	Total	Captured by OPTN	Not documented in OPTN
Dialysis indication for patients dialyzed only once			
Hyperkalemia	39	30	9
Uremia (high BUN and/or Creatinine)	33	27	6
Volume overload	3	3	0
Acidosis	1	0	1
Not described	0	-	-
Dialyzed once, on post-transplant Day 1	45	32	13
Dialyzed once, after post-transplant Day 1	31	28	3
Multiple dialysis sessions	138	131	7

Supplementary Table S3: Comparison of delayed graft function events identified in the Deceased Donor Study to events recorded in the OPTN database, excluding Harper University Hospital.

UNOS	DDR		Total
	Yes	No	
Yes	174	6	180
No	23	324	347
Total	197	330	527

	Estimate (95% CI)
Sensitivity	88% (83% to 92%)
Specificity	98% (96% to 99%)
Positive Predictive Value	97% (93% to 98%)
Negative Predictive Value	93% (90% to 96%)

Supplementary Table S4: Comparison of 6-month serum creatinine values collected for the Deceased Donor Study to creatinine values recorded in the OPTN database, excluding Harper University Hospital *

Label	N	Mean	SD
DDS 6-month Serum Creatinine	463	1.56	0.63
OPTN 6-month Serum Creatinine	461	1.53	0.62

* Lin's concordance correlation $r_c=0.92$ (95% CI, 0.90 to 0.93)

Supplementary Table S5: Comparison of acute rejection within 6-months of deceased donor kidney transplantation collected for the Deceased Donor Study to rejection recorded in the OPTN database, excluding Harper University Hospital

OPTN	DDS		Total
	Yes	No	
Yes	17	2	19
No	27	413	440
Total	44	415	459

	Estimate (95% CI)
Sensitivity	39% (13% to 73%)
Specificity	100% (99% to 100%)
Positive Predictive Value	89% (79% to 95%)
Negative Predictive Value	94% (89% to 97%)

Supplemental Figure S1: Bland-Altman plot comparing 6-month serum creatinine values collected for the Deceased Donor Study to creatinine values recorded in the OPTN database

