

Table S1: Patient Demographics

	Total Transplants (N=146)
Male/Female (N=146)	51/95 (65% F)
Donor Types (N=146)	
DD / LD	101/45 (69% Deceased)
Race (N=146)	
Caucasian	59 (41%)
African American	34 (23%)
Hispanic	37 (25%)
Other	16 (11%)
Etiology of ESRD (N=146)	
Diabetes/HTN	39 (27%)
GN	47 (32%)
Cystic	8 (5%)
Other (Alports, OU, CIN, FSGS)	41 (28%)
Unknown	11 (8%)
Induction Therapy (N=146)	
Campath	133 (91%)
Zenapax	10 (7%)
Thymoglobulin	2 (1%)
Simulect	1 (1%)
Previous Transplants(N=146)	
0	51 (35%)
1	65 (44%)
≥2	30 (21%)
DSA+ or FCMX+@ Transplant	141/146 (97%)
0 MM	5/146 (3%)

Table S1: This table shows demographics for N= 146 broadly sensitized patients desensitized with IVIG + Rituximab and transplanted. DD = Deceased donors; LD = Living donors; HTN = Hypertension; GN = Glomerulonephritis; OU =Obstructive Uropathy; CIN= Chronic Interstitial Nephritis; FSGS=Focal Segmental Glomerulosclerosis; DSA= Donor specific Antibody

Table S2
United Network for Organ Sharing

Distribution of Causes of ESRD for those Registrations added from 01/01/2000-06/30/2009 on KI Wait List with Allocation PRA at time of listing of 80 or Higher, Ages 45-65 Years.

	Year of Registration																				Total	
	2000		2001		2002		2003		2004		2005		2006		2007		2008		2009			
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
TCR PRIMARY DIAGNOSIS AT LISTING																						
Other	20	7.35	19	8.05	27	8.68	36	10.6	49	12.9	57	13.5	54	12.1	43	13.5	33	15.3	4	6.78	342	11.4
Glomerular Diseases	36	13.2	25	10.6	24	7.72	53	15.5	61	16.1	70	16.6	64	14.3	47	14.7	23	10.7	11	18.6	414	13.8
Tubular and Interstitial Diseases	10	3.68	10	4.24	6	1.93	8	2.35	11	2.89	15	3.55	24	5.37	13	4.08	7	3.24	3	5.08	107	3.56
Polycystic Kidneys	15	5.51	17	7.2	15	4.82	24	7.04	20	5.26	36	8.53	30	6.71	22	6.9	17	7.87	7	11.9	203	6.76
Congenital, Rare Familial, and Metabolic Diseases																						
	0	0	1	0.42	2	0.64	0	0	2	0.53	0	0	3	0.67	0	0	0	0	0	0	8	0.27
Diabetes	75	27.6	59	25	68	21.9	93	27.3	96	25.3	104	24.6	136	30.4	100	31.4	56	25.9	10	17	797	26.5
Renovascular and Other Vascular Diseases	10	3.68	8	3.39	12	3.86	9	2.64	13	3.42	8	1.9	12	2.68	7	2.19	2	0.93	1	1.69	82	2.73
Neoplasms	0	0	0	0	2	0.64	2	0.59	1	0.26	4	0.95	0	0	1	0.31	1	0.46	0	0	11	0.37
Retransplant/Graft Failure	79	29	80	33.9	116	37.3	73	21.4	73	19.2	75	17.8	66	14.8	40	12.5	44	20.4	15	25.4	661	22
Hypertensive Nephrosclerosis	27	9.93	17	7.2	39	12.5	43	12.6	54	14.2	53	12.6	58	13	46	14.4	33	15.3	8	13.6	378	12.6
Total	272	100	236	100	311	100	341	100	380	100	422	100	447	100	319	100	216	100	59	100	3003	100

Based on OPTN data as of September 29, 2012

Data subject to change based on future data submission or correction.

Table S2: This table shows the distribution of causes of ESRD for a large cohort of dialysis patients (PRA >80%) who were matched for age while on the waitlist from 1/1/2000- 6/30/2009. This data is based on OPTN data as of 9/29/12. Cause of ESRD were similar to our study patients.

Table S3
United Network for Organ Sharing

Cumulative Probability of Death and Tx Within 3 Years of Listing for Kidney Registrations Added 01/01/2000-06/30/2009 for Individuals 45-65 Years of Age, With Allocation PRA at time of listing greater than or Equal to 80. Years with N at risk less than 10 cannot be estimated.

			Year Post-Listing			
			3			
Year of Listing	Number of Registrations	Number at Risk at year 3	Percent (Probability*100) Tx at 3 Years	95% Confidence Interval	Percent (Probability*100) Death at 3 Years	95% Confidence Interval
2000	272	99	29.04%	[23.8%, 34.5%]	20.59%	[16.0%, 25.5%]
2001	237	88	22.36%	[17.3%, 27.8%]	21.52%	[16.6%, 26.9%]
2002	311	107	24.44%	[19.8%, 29.3%]	19.94%	[15.7%, 24.5%]
2003	341	103	28.45%	[23.8%, 33.3%]	18.77%	[14.8%, 23.1%]
2004	380	100	28.68%	[24.2%, 33.3%]	18.42%	[14.7%, 22.5%]
2005	433	80	27.71%	[23.6%, 32.0%]	21.94%	[18.2%, 25.9%]
2006	448	28	33.26%	[29.0%, 37.6%]	22.32%	[18.6%, 26.3%]
Total	3022	601	30.21%	[28.6%, 31.9%]	20.71%	[19.3%, 22.2%]

Based on OPTN data as of September 29, 2012

Data subject to change based on future data submission or correction

Note: '*' denotes value cannot be calculated due to less than 10 at risk at time point

Table S3: This data shows cumulative probability of transplantation and death on dialysis for each 3 year cohort. This data is based on OPTN data as of 9/29/12. The rates of transplantation are approximately 10% per year and the probability of death is approximately 7% per year for each cohort

Table S4
United Network for Organ Sharing
Kaplan-Meier Three-year KI Graft and Patient Survival Rates by Year of Transplant for Kidney Transplants 01/01/2000-06/30/2009, with Allocation PRA at Transplant of 80 or Higher and Age 45-65 Years.

Year	No. of KI Grafts at Risk	KI Graft Survival Rate and 95% CI	No. of KI Tx Recipients at Risk	Patient Survival Rate and 95% CI
2000	172	69.08 [63.25,74.91]	181	80.13 [74.87,85.39]
2001	193	71.71 [66.12,77.29]	210	82.88 [78.00,87.75]
2002	222	76.65 [71.61,81.68]	236	85.49 [81.12,89.85]
2003	268	74.03 [69.40,78.66]	284	83.99 [79.96,88.01]
2004	310	77.85 [73.71,81.99]	327	87.78 [84.37,91.18]
2005	355	81.91 [78.13,85.68]	367	90.33 [87.28,93.37]
2006	433	80.68 [77.23,84.14]	441	89.07 [86.23,91.91]
2007	458	82.55 [79.31,85.79]	461	87.06 [84.12,90.00]
2008	357	81.73 [78.49,84.97]	362	90.14 [87.53,92.75]
2009	120	82.79 [78.62,86.96]	120	88.50 [84.74,92.26]
Total	2888	78.96 [77.71,80.21]	2989	87.27 [86.22,88.31]

Based on OPTN data as of September 29, 2012

Data subject to change based on future data submission or correction.

Table S4: This data shows Kaplan Meier 3-year graft and patient survival rates by year of transplant. This data is based on OPTN data as of 9/29/12.