



**Supplemental Figure 1.** Renal Injury Markers in Neutered Mice. Quantitative PCR demonstrated elevated renal injury markers in neutered females compared to intact females at 7 days post-IRI (n=3 animals per group run in triplicate, \*p<0.0001, 1-way ANOVA). Error bars indicate mean ± SEM.

**Supplemental Table 1**

Characteristics of 46,691 deceased donor kidney transplants between 2009-2014

<b>Characteristic</b>	<b>No DGF</b>	<b>DGF</b>
n	34110 (73.1%)	12,581 (26.9%)
Donor Gender		
Male	20,566 (72.3%)	7,888 (27.7%)
Female	13,544 (74.3%)	4,693 (25.7%)
Recipient Gender		
Male	20,548 (70.8%)	8,495 (29.2%)
Female	13,562 (76.8%)	4,086 (23.2%)
Recipient Age		
18-40	6,961 (77.5%)	2,019 (22.5%)
41-55	11,935 (73.3%)	4,347 (26.7%)
56-70	13,112 (71.2%)	5,312 (28.8%)
71+	2,102 (70.0%)	903 (30.0%)
Donor Race		
Not Black	29,159 (72.9%)	10835 (27.1%)
Black	4,951 (73.9%)	1,746 (26.1%)
Recipient Race		
White	15,568 (76.9%)	4,671 (23.1%)
Black	10,600 (68.6%)	4,852 (31.4%)
Hispanic	5,241 (80.0%)	2,039 (28.0%)
Asian	2,067 (73.0%)	766 (27.0%)
Other	634 (71.5%)	253 (28.5%)
ECD		
No	29,135 (74.2%)	10,137 (25.8%)
Yes	4,975 (67.1%)	2,444 (32.9%)
DCD		
No	30,187 (76.0%)	9,551 (24.0%)
Yes	3,869 (56.8%)	2,946 (43.2%)
Cause of ESRD		
GN	6,349 (75.8%)	2,026 (24.2%)
HTN	8,239 (71.5%)	3,278 (28.5%)
Other	19,522 (72.9%)	7,277 (27.1%)
Recipient Diabetes		
No	20,001 (74.2%)	6,973 (25.8%)
Yes	14,109 (71.6%)	5,608 (28.4%)
PRA %		
0	20,989 (72.1%)	8,126 (27.9%)
1-20	2,441 (72.1%)	946 (27.9%)
21-79	5,416 (75.5%)	1758 (24.5%)
80-100	5,264 (75.0%)	1,751 (25.0%)
Cold Ischemia Time		
< 8h	4,818 (82.3%)	1,035 (17.7%)
8-16h	15,260 (75.8%)	4,882 (24.2%)
17-24h	8,650 (68.7%)	3,937 (31.3%)

25-48h	4,352 (64.4%)	2,406 (35.6%)
49h+	250 (81.7%)	56 (18.3%)
Missing	800 (75.1%)	265 (24.9%)