

Table S1 Relation of R-SH to outcome

	eGFR 1-month	eGFR 3-month	eGFR 6-month	eGFR 12-month	eGFR 24-month	Acute rejection episodes
Systemic arterial R-SH						
<i>Donor</i>						
After induction of anesthesia	R 0.244 P 0.274	R 0.264 P 0.235	R 0.274 P 0.218	R 0.091 P 0.688	R 0.124 P 0.583	R 0.163 P 0.458
After kidney extraction	R -0.239 P 0.285	R -0.008 P 0.971	R -0.043 P 0.850	R -0.051 P 0.822	R -0.030 P 0.894	R 0.009 P 0.968
<i>Recipient</i>						
After induction of anesthesia	R 0.335 P 0.118	R 0.640 P 0.001	R 0.530 P 0.009	R 0.420 P 0.046	R 0.442 P 0.035	R -0.109 P 0.611
30 sec after reperfusion	R 0.025 P 0.916	R 0.379 P 0.090	R 0.282 P 0.216	R 0.198 P 0.389	R 0.240 P 0.294	R -0.348 P 0.122
5 min after reperfusion	R 0.203 P 0.404	R 0.612 P 0.005	R 0.576 P 0.010	R 0.342 P 0.152	R 0.313 P 0.193	R -0.470 P 0.042
10 min after reperfusion	R 0.492 P 0.038	R 0.673 P 0.002	R 0.546 P 0.019	R 0.434 P 0.072	R 0.464 P 0.052	R -0.136 P 0.590
30 min after reperfusion	R 0.164 P 0.502	R 0.445 P 0.056	R 0.580 P 0.009	R 0.256 P 0.290	R 0.211 P 0.385	R -0.084 P 0.726
Renal venous R-SH						
30 sec after reperfusion	R 0.323 P 0.154	R 0.564 P 0.008	R 0.372 P 0.097	R 0.355 P 0.115	R 0.315 P 0.165	R -0.084 P 0.726
5 min after reperfusion	R 0.033 P 0.849	R 0.535 P 0.018	R 0.403 P 0.087	R 0.261 P 0.280	R 0.258 P 0.287	R -0.247 P 0.280
10 min after reperfusion	R 0.167 P 0.494	R 0.537 P 0.018	R 0.392 P 0.097	R 0.230 P 0.343	R 0.278 P 0.249	R -0.250 P 0.301
30 min after reperfusion	R -0.105 P 0.689	R 0.040 P 0.878	R 0.087 P 0.740	R -0.209 P 0.421	R 0.007 P 0.978	R -0.344 P 0.149
Delta R-SH						
30 sec after reperfusion	R 0.229 P 0.331	R 0.207 P 0.381	R 0.090 P 0.705	R 0.104 P 0.662	R -0.084 P 0.726	R 0.289 P 0.216
5 min after reperfusion	R -0.253 P 0.296	R -0.284 P 0.239	R -0.377 P 0.111	R -0.199 P 0.413	R -0.161 P 0.509	R 0.438 P 0.060
10 min after reperfusion	R -0.352 P 0.151	R -0.236 P 0.347	R -0.198 P 0.430	R -0.199 P 0.430	R -0.232 P 0.354	R -0.341 P 0.166
30 min after reperfusion	R -0.299 P 0.244	R -0.246 P 0.342	R -0.397 P 0.097	R -0.418 P 0.095	R -0.225 P 0.385	R -0.075 P 0.776
Systemic venous R-SH						
Day 1 post transplantation	R 0.158 P 0.471	R -0.086 P 0.698	R 0.144 P 0.511	R 0.081 P 0.713	R 0.278 P 0.199	R -0.492 P 0.015
Day 2 post transplantation	R 0.027 P 0.904	R 0.200 P 0.360	R 0.147 P 0.503	R 0.028 P 0.900	R -0.127 P 0.564	R -0.163 P 0.447
Day 6 post transplantation	R 0.269 P 0.214	R 0.084 P 0.704	R 0.059 P 0.790	R 0.144 P 0.511	R 0.144 P 0.512	R -0.084 P 0.696
Day 9 post transplantation	R 0.211 P 0.347	R 0.068 P 0.763	R 0.172 P 0.443	R 0.053 P 0.816	R 0.111 P 0.622	R -0.297 P 0.179
Urinary R-SH						
<i>Donor</i>						
after induction of anesthesia	R -0.062 P 0.779	R -0.200 P 0.361	R -0.323 P 0.133	R -0.443 P 0.034	R -0.436 P 0.037	R 0.057 P 0.791
<i>Recipient</i>						
First urine upon reperfusion	R 0.052 P 0.815	R 0.110 P 0.618	R -0.049 P 0.825	R 0.035 P 0.875	R 0.134 P 0.542	R -0.007 P 0.975
2 hours post transplantation	R -0.144 P 0.535	R -0.301 P 0.185	R -0.177 P 0.444	R -0.087 P 0.708	R -0.086 P 0.711	R 0.248 P 0.265
Day 1 post transplantation	R -0.257 P 0.261	R -0.127 P 0.584	R -0.040 P 0.862	R -0.137 P 0.555	R -0.245 P 0.284	R -0.161 P 0.486
Day 2 post transplantation	R -0.021 P 0.930	R -0.190 P 0.423	R -0.272 P 0.247	R -0.190 P 0.422	R 0.035 P 0.885	R -0.290 P 0.202
Day 6 post transplantation	R -0.167 P 0.480	R -0.311 P 0.182	R -0.362 P 0.117	R -0.224 P 0.342	R -0.241 P 0.307	R 0.214 P 0.351
Day 9 post transplantation	R 0.276 P 0.213	R 0.321 P 0.145	R 0.084 P 0.709	R 0.416 P 0.054	R 0.364 P 0.095	R 0.028 P 0.902

Depending on normality distribution, Pearson's or Spearman's correlation coefficients were used to analyse relation between R-SH and kidney outcome parameters. False discovery rate (FDR, according to the Benjamini-Hochberg procedure) of 5% was used to correct for multiple testing. Statistical significance (*) was set at P-value ≤ 0.05 for all comparisons. Abbreviations: R-SH: Free sulfhydryl groups