Supplemental digital content Table 4: Adjusted multivariable logistic regression of delayed graft function on normal saline group with imputed cold ischemia time

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| Variable | Odds Ratio (95% CI) | p-value |
| *Primary exposure variable* |  |  |
| Normal saline group |  |  |
| low (≤ 30%) | reference (1.0) |  |
| intermediate (>30% to <80%) | 1.24 (0.85 - 1.81) | 0.256 |
| high (≥ 80%) | 1.55 (1.1 - 2.2) | 0.013 |
| *Imputed variable* |  |  |
| Cold Ischemia Time, n (%) |  |  |
| ≤ 2 hours | reference (1.0) |  |
| > 2 to 10 hours | 1.32 (0.62 - 2.82) | 0.471 |
| > 10 to 20 hours | 1.69 (0.78 - 3.64) | 0.181 |
| > 20 hours | 1.84 (0.81 - 4.20) | 0.147 |
| *Recipient characteristics* |  |  |
| Sex |  |  |
| female (vs male) | 0.59 (0.46 - 0.74) | < 0.001 |
| Age (years) | 1.00 (0.99 - 1.01) | 0.868 |
| Body mass index (kg/m2) | 1.07 (1.05 - 1.1) | < 0.001 |
| Race |  |  |
| White | reference (1.0) |  |
| Asian | 1.01 (0.76 - 1.33) | 0.953 |
| African-American | 1.67 (1.24 - 2.26) | 0.001 |
| other | 1.15 (0.54 - 2.45) | 0.712 |
| Years on dialysis |  |  |
| not on dialysis | reference (1.0) |  |
| ≤ 2 years | 2.7 (1.44 - 5.05) | 0.002 |
| >2 years | 5.16 (2.84 - 9.37) | < 0.001 |
| Human leucocyte antigen mismatches |  |  |
| 0 | reference (1.0) |  |
| 1/2 | 1.26 (0.67 - 2.37) | 0.475 |
| 3/4 | 1.14 (0.77 - 1.7) | 0.513 |
| 5/6 | 1.18 (0.8 - 1.74) | 0.409 |
| *Perioperative variables* |  |  |
| Year of Transplant |  |  |
| 2005-2007 | reference (1.0) |  |
| 2008/9 | 1.64 (1.14 - 2.37) | 0.008 |
| 2010/11 | 1.3 (0.89 - 1.88) | 0.170 |
| 2012/13 | 1.44 (0.99 - 1.08) | 0.055 |
| 2014/15 | 1.40 (0.93 - 2.12) | 0.108 |
| Crystalloid volume |  |  |
| > 2l to 4l | reference (1.0) |  |
| ≤ 2l | 1.02 (0.78 - 1.34) | 0.875 |
| > 4l | 1.36 (0.96 - 1.93) | 0.085 |
| Surgery duration |  |  |
| > 150 - 300 min | reference (1.0) |  |
| ≤ 150min | 0.99 (0.78 - 1.26) | 0.930 |
| > 300 min | 1.43 (0.63 - 3.26) | 0.393 |
| Vasopressor Infusion |  |  |
| yes (vs none) | 0.94 (0.74 - 1.19) | 0.598 |
| Red Blood Cell transfusion |  |  |
| none | reference (1.0) |  |
| ≤ 500ml | 1.47 (0.87 - 2.51) | 0.154 |
| > 500ml | 1.92 (0.80 - 4.58) | 0.143 |
| *Donor characteristics* |  |  |
| Donor type |  |  |
| deceased (vs living) | 3.38 (1.74 - 6.59) | < 0.001 |
| Donor - age |  |  |
| 1st quartile | reference (1.0) |  |
| 2nd quartile | 1.29 (0.93 - 1.80) | 0.131 |
| 3rd quartile | 1.73 (1.26 - 2.39) | 0.001 |
| 4th quartile | 1.82 (1.3 - 2.54) | < 0.001 |
| Donor - Sex |  |  |
| female (vs male) | 0.72 (0.57 - 0.90) | 0.004 |