Supplemental digital content Table 5: Adjusted multivariable logistic regression of delayed graft function on normal saline group by donor type (deceased versus living)

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| --- | --- | --- | --- | --- |
|  | Deceased donor transplant | | Living donor transplant | |
| Variable | Odds Ratio (95%) CI) | p-value | Odds Ratio (95%) CI) | p-value |
| *Primary exposure variable* |  |  |  |  |
| Normal saline group |  |  |  |  |
| low (≤ 30%) | reference (1.0) |  | reference (1.0) |  |
| intermediate (>30% to <80%) | 1.28 (0.85 - 1.93) | 0.237 | 1.15 (0.42 - 3.10) | 0.787 |
| high (≥ 80%) | 1.52 (1.05 - 2.21) | 0.028 | 1.66 (0.65 - 4.25) | 0.287 |
| *Recipient characteristics* |  |  |  |  |
| Sex |  |  |  |  |
| female (vs male) | 0.59 (0.46 - 0.76) | < 0.001 | 0.51 (0.27 - 0.97) | 0.040 |
| Age (years) | 1.00 (0.99 - 1.01) | 0.915 | 1 (0.98 - 1.02) | 0.937 |
| Body mass index (kg/m2) | 1.07 (1.04 - 1.09) | < 0.001 | 1.1 (1.04 - 1.16) | 0.001 |
| Race |  |  |  |  |
| White | reference (1.0) |  | reference (1.0) |  |
| Asian | 0.97 (0.72 - 1.31) | 0.843 | 1.34 (0.61 - 2.98) | 0.468 |
| African-American | 1.61 (1.17 - 2.23) | 0.004 | 2.03 (0.86 - 4.76) | 0.105 |
| other | 1.12 (0.47 - 2.67) | 0.801 | 1.41 (0.28 - 7.08) | 0.676 |
| Years on dialysis |  |  |  |  |
| not on dialysis | reference (1.0) |  | reference (1.0) |  |
| ≤ 2 years | 1.79 (0.81 – 3.95) | 0.150 | 5.79 (1.95 – 17.25) | 0.002 |
| >2 years | 4.02 (1.96 – 8.25) | < 0.001 | 7.65 (2.51 – 23.27) | < 0.001 |
| Human leucocyte antigen mismatch  mismatch mismatches |  |  |  |  |
| 0 | reference (1.0) |  | reference (1.0) |  |
| 1/2 | 1.31 (0.58 – 3) | 0.514 | 1.59 (0.31 – 9.08) | 0.578 |
| 3/4 | 1.04 (0.69 – 1.57) | 0.852 | 1.68 (0.37 – 7.72) | 0.503 |
| 5/6 | 1.1 (0.74 – 1.63) | 0.643 | 1.35 (0.29 – 6.36) | 0.703 |
| *Perioperative variables* |  |  |  |  |
| Year of Transplant |  |  |  |  |
| 2005-2007 | reference (1.0) |  | reference (1.0) |  |
| 2008/9 | 1.7 (1.14 – 2.54) | 0.010 | 1.36 (0.52 – 3.59) | 0.536 |
| 2010/11 | 1.24 (0.83 – 1.85) | 0.301 | 1.34 (0.51 – 3.51) | 0.557 |
| 2012/13 | 1.44 (0.96 – 2.15) | 0.075 | 1.1 (0.54 – 3.03) | 0.859 |
| 2014/15 | 1.34 (0.85 – 2.11) | 0.204 | 1.6 (0.54 – 4.7) | 0.396 |
| Crystalloid volume |  |  |  |  |
| > 2l to 4l | reference (1.0) |  | reference (1.0) |  |
| ≤ 2l | 1.04 (0.78 – 1.38) | 0.816 | 0.95 (0.41 – 2.23) | 0.911 |
| > 4l | 1.3 (0.86 – 1.95) | 0.209 | 1.30 (0.63 – 2.69) | 0.479 |
| Surgery duration |  |  |  |  |
| > 150 – 300 min | reference (1.0) |  | reference (1.0) |  |
| ≤ 150min | 0.96 (0.75 – 1.24) | 0.774 | 1.27 (0.57 – 2.82) | 0.560 |
| > 300 min | 0.75 (0.18 – 3.11) | 0.686 | 2.87 (0.98 – 8.42) | 0.055 |
| Vasopressor Infusion |  |  |  |  |
| yes (vs none) | 0.95 (0.73 – 1.22) | 0.666 | 0.84 (0.42 – 1.63) | 0.597 |
| Red Blood Cell transfusion |  |  |  |  |
| none | reference (1.0) |  | reference (1.0) |  |
| ≤ 500ml | 1.59 (0.9 – 2.83) | 0.111 | 0.83 (0.16 – 4.23) | 0.822 |
| > 500ml | 2.65 (0.99 – 7.08) | 0.053 | 0.35 (0.04 – 3.43) | 0.370 |
| *Donor characteristics* |  |  |  |  |
| Donor - age |  |  |  |  |
| 1st quartile | reference (1.0) |  | reference (1.0) |  |
| 2nd quartile | 1.28 (0.90 - 1.80) | 0.169 | 1.59 (0.53 - 4.73) | 0.406 |
| 3rd quartile | 1.78 (1.28 - 2.47) | 0.001 | 2.20 (0.75 - 6.49) | 0.152 |
| 4th quartile | 1.44 (1.00 - 2.07) | 0.049 | 4.35 (1.49 - 12.68) | 0.007 |
| Donor - Sex |  |  |  |  |
| female (vs male) | 0.7 (0.54 - 0.9) | 0.005 | 0.73 (0.40 - 1.32) | 0.305 |