Supplemental digital content Table 1: Baseline demographic, perioperative and donor characteristics for patients with and without delayed graft function

|   |   | Delayed Graft Function |   |
| --- | --- | --- | --- |
|   | Total N | No (n = 2178) | Yes (n = 493) | p-value |
| Characteristics | 2515 |  |  |  |
|  |  |  |  |  |
| *Recipient characteristics* |   |   |   |   |
| Sex  |  |   |   | < 0.001 |
|  male | 1461 | 1130 (55.7) | 331 (68.3) |   |
| Age (years), mean (SD) |  | 50.8 (14.1) | 54.2 (13.3) | < 0.001 |
| Height (cm), mean (SD) |  | 167.8 (10.6) | 169.1 (10.4) | 0.015 |
| Weight (kg), mean (SD) |  | 74.8 (17.6) | 81.6 (18.2) | < 0.001 |
| Body mass index (kg/m2), mean (SD) |  | 26.5 (5.1) | 28.4 (5.3) | < 0.001 |
| Lean body mass (kg), mean (SD) |  | 53.2 (10.8) | 56.7 (10.8) | < 0.001 |
| Race, n (%) |  |   |   | < 0.001 |
|  White | 1553 | 1303 (64.2) | 250 (51.6) |   |
|  Asian | 582 | 467 (23.0) | 115 (23.7) |   |
|  African-American | 324 | 215 (10.6) | 109 (22.5) |   |
|  other  | 56 | 45 (2.2) | 11 (2.3) |   |
| Ethnicity, n (%) |  |   |   | 0.858 |
|  Latino | 666 | 536 (26.4) | 130 (26.8) |   |
| Years on dialysis, mean (SD) |  |   |   | < 0.001 |
|  not on dialysis | 400 | 387 (19.1) | 13 (2.7) |   |
|  ≤ 2 years | 709 | 641 (31.6) | 68 (14) |   |
|  >2 years | 1406 | 1002 (49.4) | 404 (83.3) |   |
| Human leucocyte antigen mismatches, n (%) | \* |   |   | < 0.001 |
| 0 | 293 | 242 (11.9) | 51 (10.5) |   |
|  1/2 | 222 | 203 (10) | 19 (3.9) |   |
|  3/4 | 895 | 733 (36.1) | 162 (33.4) |   |
|  5/6 | 1103 | 850 (41.9) | 253 (52.2) |   |
| *Perioperative Variables* |   |   |   |   |
| Year of Transplant, n (%) |  |   |   | 0.086 |
|  2005-2007 | 465 | 395 (19.5) | 70 (14.4) |   |
|  2008/9 | 515 | 403 (19.9) | 112 (23.1) |   |
|  2010/11 | 556 | 447 (22) | 109 (22.5) |   |
|  2012/13 | 582 | 462 (22.8) | 120 (24.7) |   |
|  2014/15 | 397 | 323 (15.9) | 74 (15.3) |   |
| Hydromorphone, n (%) |  |   |   | 0.169 |
|  yes | 2076 | 1686 (83.1) | 390 (80.4) |   |
| Vasopressor Infusion |  |   |   | 0.060 |
|  yes | 807 | 634 (32.2) | 173 (35.7) |   |
| Surgery duration, n (%) |  | 180 (59) | 173 (49) | 0.041 |
|  ≤ 150 min | 841 | 661 (32.6) | 180 (37.1) |   |
|  150 to 300 min | 1593 | 1297 (63.9) | 296 (61) |   |
|  >300 min | 81 | 72 (3.6) | 9 (1.9) |   |
| Cold Ischemia Time, n (%) | \*\* |   |   | < 0.001 |
|  ≤ 2 hours | 528 | 502 (30.9) | 26 (5.6) |   |
|  > 2 to 10 hours | 626 | 459 (28.2) | 167 (35.9) |   |
|  > 10 to 20 hours | 736 | 519 (31.9) | 217 (46.7) |   |
|  > 20 hours | 202 | 147 (9) | 55 (11.8) |   |
| Crystalloid volume, n (%) |  |   |   | <0.001 |
|  ≤ 2l | 551 | 437 (21.5) | 114 (23.5) |   |
|  >2l to 4l | 1616 | 1310 (64.5) | 306 (63.1) |   |
|  >4l | 348 | 283 (13.9) | 65 (13.4) |   |
| Normal saline group, n (%) |  |   |   | 0.031 |
|  low (≤ 30%) | 385 | 324 (16) | 61 (12.6) |   |
|  intermediate (>30% to <80%) | 646 | 533 (26.3) | 113 (23.3) |   |
|  high (≥ 80%) | 1484 | 1173 (57.8) | 311 (64.1) |   |
| Albumin, n (%) |  |   |   | 0.124 |
|  yes | 104 | 90 (4.4) | 14 (2.9) |   |
| Synthetic colloid, n (%) |  |   |   | 0.042 |
|  yes | 49 | 34 (1.7) | 15 (3.1) |   |
| Red Blood Cell transfusion, n (%) |  |   |   | 0.341 |
|  none | 2378 | 1926 (94.9) | 452 (93.2) |   |
|  ≤ 500ml | 99 | 75 (3.7) | 24 (5) |   |
|  > 500ml | 38 | 29 (1.4) | 9 (1.9) |   |
| *Donor characteristics* |   |   |   |   |
| Donor - age (years), mean (SD) | 2515 | 39.2 (14.9) | 40.6 (15.7) | 0.069 |
| Donor - sex, n (%) | 2515 |   |   | < 0.001 |
|  male | 1276 | 969 (47.7) | 307 (63.3) |   |
| Donor - hx/diabetes, n (%) | \*\*\* |   |   | 0.048 |
|  yes | 109 | 80 (4) | 29 (6) |   |
| Donor type, n (%) |  |   |   | < 0.001 |
|  deceased | 1472 |   |   |   |
|  donation after brain death | 1377 |  |  |  |
|  standard criteria | 1228 | 877 (43.2) | 351 (72.4) |   |
|  extended criteria | 149 | 96 (4.7) | 53 (10.9) |   |
|  donation after cardiac death | 95 |  |  |  |
|  standard criteria | 86 | 63 (3.1) | 23 (4.7) |   |
|  extended criteria | 9 | 6 (0.3) | 3 (0.6) |   |
|  living | 1043 | 988 (48.7) | 55 (11.3) |   |
| *Donor deceased*  | 1472 |   |   |   |
|  creatinine > 1.5, n (%) | 242 | 137 (13.2) | 105 (24.4) | < 0.001 |
|  hx/hypertension, n (%) | 363 | 225 (21.7) | 138 (32.3) | < 0.001 |
|  cause of Death, n (%) |   |   |   | 0.001 |
|  anoxia | 412 | 281 (27) | 131 (30.5) |   |
|  cerebrovascular/stroke | 489 | 347 (33.3) | 142 (33) |   |
|  head trauma | 528 | 393 (37.7) | 135 (31.4) |   |
|  CNS tumor | 7 | 1 (0.1) | 6 (1.4) |   |
|  other  | 36 | 20 (1.9) | 16 (3.7) |   |
|  hepatitis C antibodies  | 30 | 21 (2) | 9 (2.1) | 0.924 |
| *Donor living* | 1043 |   |   |   |
|  preop creatinine (mg/dl), mean (SD) | 987 | 0.79 (0.25) | 0.91 (0.5) | 0.002 |

*\*Total N for human leucocyte antigen mismatch is 2513.*

*\*\* Total N for cold ischemia time is 2092*

*\*\*\* Total N for donor - hx/diabetes is 2508*

CNS: central nervous system