Supplementary information

***Table S1***: Baseline routine laboratory parameters in recipients and donors

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| **Parameter; units** | **Reference range** | **Median baseline (T1) levels (IQR)** | **Median difference between groups** |
| **Creatinine; µmol/L** | | | |
| *Recipients (n= 26)* | 45-84 | 550 (437 – 695) | 472 (95% CI 426-544, p<0.0001) |
| *Donors (n = 24)* | 78 (71 – 86) |
| **eGFR; mL/min/1.73m2** | | | |
| *Recipients (n= 26)* | ≥90 | 9 (7 – 10) | 70 (61-75, p<0.0001) |
| *Donors (n = 24)* | 79 (68 – 90) |
| **Haemoglobin; g/L** | | | |
| *Recipients (n= 26)* | 135-170 | 108 (98 – 115) | 26 (95% CI 21-36, p<0.0001) |
| *Donors (n = 24)* | 134 (126 – 146) |
| **Platelets; x109/L** | | | |
| *Recipients (n= 26)* | 150-410 | 178 (144 – 215) | 65 (95% CI 30-91, p=0.003) |
| *Donors (n = 24)* | 243 (203 – 277) |
| **Albumin; g/L** | | | |
| *Recipients (n= 26)* | 35-50 | 43 (40 – 45) | 3 (95% CI 1-6, p=0.008) |
| *Donors (n = 24)* | 46 (43 – 49) |
| Difference between groups at T1 calculated using Mann Whitney test  eGFR, estimated glomerular filtration rate; IQR, interquartile range | | | |

***Table S2:*** Baseline routine coagulation and haemostatic parameters in recipients and donors

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| **Parameter; units** | **Reference range** | **Median baseline levels (IQR) *(T1)*** | **Difference between groups** |
| **Prothrombin time; sec** | | | |
| *Recipients (n=26)* | 8.8-11.7 | 10.5 (10.1 – 10.9) | 0 (95% CI 0.3-0.4, p=0.97) |
| *Donors (n=24)* | 10.5 (10.2 – 10.7) |
| **Activated partial thromboplastin time; sec** | | | |
| *Recipients (n=26)* | 21-29 | 25 (25 – 28.0) | 0 (95% CI 0-1, p=0.90) |
| *Donors (n=24)* | 25 (24 – 28) |
| **Fibrinogen; g/L** | | | |
| *Recipients (n=26)* | 1.8-3.5 | 2.52 (2.1-2.6) | 0.32 (95% CI 0.1-0.34, p=0.26) |
| *Donors (n=24)* | 2.2 (1.95-2.5) |  |
| **Factor VIII; IU/dL** | | | |
| *Recipients (n=26)* | 52-153 | 117 (81 – 151) | 41 (95% CI 20-64, p=0.0003) |
| *Donors (n=24)* | 76 (47 – 80) |
| **von Willebrand factor antigen; IU/dL** | | | |
| *Recipients (n=26)* | 50-156 | 123 (91 – 153) | 55 (95% CI 25-74, p<0.0001) |
| *Donors (n=24)* | 68 (57 – 91) |
| **Antithrombin; IU/dL** | | | |
| *Recipients (n=26)* | 81-119 | 92 (83 – 105) | 1 (95% CI 0-10, p=0.96) |
| *Donors (n=24)* | 91 (82 – 107) |
| **Prothrombin Factor 1+2; pmol/L** | | | |
| *Recipients (n=26)* | 91-137 | 382 (195 – 522) | 165 (95% CI 20-253, p=0.02) |
| *Donors (n=24)* | 217 (130 – 271) |
| **Thrombin antithrombin complex; ng/mL** | | | |
| *Recipients (n=26)* | <4.2 | 7.3 (4.4 – 11.3) | 3.6 (0-35.7, p=0.37) |
| *Donors (n=24)* | 10.9 (5.9 – 11.3) |
| **D-dimer; mg/L FEU** | | | |
| *Recipients (n=26)* | < 0.44 | 0.31 (0.19 – 1.35) | 0.10 (95% CI 0-0.76, p=0.04) |
| *Donors (n=24)* | 0.21 (0.19 – 0.27) |
| **Plasminogen activator inhibitor-1 antigen, units** | | | |
| *Recipients (n=26)* | 1 -25 | 12 (7 – 21) | 6 (95% CI 0.8-9.8, p=0.09) |
| *Donors (n=24)* | 18 (11 – 25) |
| **Lag time, minutes** | | | |
| *Recipients (n=26)* | 1.71-3.73 | 3.83 (3.50 – 4.11) | 0.39 (95% CI 0.11-0.67, p=0.12) |
| *Donors (n=24)* | 3.44 (3.16 – 4.01) |
| **Endogenous thrombin potential, nM Thrombin** | | | |
| *Recipients (n=26)* | 1222-2754 | 1470 (1265 – 1843) | 205 (95% CI 134-373, p=0.27) |
| *Donors (n=24)* | 1675 (1468 – 1856) |
| **Peak height, nM Thrombin** | | | |
| *Recipients (n=26)* | 231-507 | 253 (200 – 293) | 47 (95% CI 16-88, p=0.18) |
| *Donors (n=24)* | 206 (171 – 273) |
| **Time to peak, minutes** | | | |
| *Recipients (n=26)* | 3.68 – 6.12 | 7.33 (6.50 – 8.50) | 0.7 (95% CI 0.46 – 1.61, p=0.35) |
| *Donors (n=24)* | 8.03 (6.88 – 10.04) |
| Difference between groups at T1 calculated using Mann Whitney test  IQR, interquartile range; FEU, fibrinogen equivalent unit | | | |

***Table S3:*** Changes in routine haematology and biochemistry parameters over time in recipients

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Parameter; reference range** | **Baseline *(T1)***  n=26 | **Immediately post-op *(T2)***  n=23 | **24 hours post-op *(T3)***  n=24 | **72 hours post-op *(T4)***  n=18 | **120 hours post-op *(T5)***  n=13 |
| **Creatinine; NR 45-84** **µmol/L** | | | | | |
| *Absolute* | 550 (437 – 695) | 449 (361 – 602) | 284 (203 – 450) | 153 (111 – 214) | 148 (114 – 355) |
| *Change from baseline\** |  | -101 (p=0.15) | -266 (p<0.001) | -397 (p<0.001) | -402 (p=0.002) |
| **eGFR; NR** ≥**90 mL/min/1.73m2** | | | | | |
| *Absolute* | 9 (7 – 10) | 12 (8 – 13) | 19 (12 – 26) | 41 (28 – 57) | 42 (15 – 58) |
| *Change from baseline\** |  | +3 (p=0.05) | +10 (p<0.001) | +32 (p<0.001) | +33 (p=0.002) |
| **Haemoglobin; NR 135-170 g/L** | | | | | |
| *Absolute* | 108 (98 – 115) | 97 (86 – 104) | 92 (85 – 106) | 84 (78 – 98) | 90 (82 – 98) |
| *Change from baseline\** |  | -11 (p=0.12) | -16 (p=0.04) | -24 (p=0.01) | -18 (p=0.004) |
| **Platelets; NR 150-410x109/L** | | | | | |
| *Absolute* | 178 (144 – 215) | 170 (128 – 201) | 163 (129 – 182) | 127 (112 – 194) | 151 (104 – 197) |
| *Change from baseline\** |  | -8 (p=0.10) | -15 (p=0.05) | -51 (p=0.03) | -27 (p=0.25) |
| **Albumin; NR 35-50g/L** | | | | | |
| *Absolute* | 43 (40 – 45) | 39 (33 – 40) | 35 (31 – 37) | 33 (32 – 37) | 34 (32 – 36) |
| *Change from baseline\** |  | -4 (p=0.03) | -8 (p<0.001) | -10 (p<.001) | -9 (p=0.001) |
| NR: normal range; eGFR, estimated glomerular filtration rate  Absolute data represented as median (IQR).  \*Median change from baseline calculated using Wilcoxon rank test. | | | | | |

***Table S4:*** Changes in routine haematology and biochemistry parameters over time in donors

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter; reference range** | **Baseline *(T1)***  n=24 | **Immediately post-op *(T2)***  n=17 | **24 hours post-op *(T3)***  n=18 |
| **Creatinine; NR 45-84 µmol/L** | | | |
| *Absolute* | 78 (71 – 86) | 85 (81 – 93) | 118 (99 – 130) |
| *Change from baseline\** |  | +7 (p=0.004) | +40 (p<0.001) |
| **eGFR; NR** ≥**90 mL/min/1.73m2** | | | |
| *Absolute* | 79 (68 – 90) | 63 (60 – 65) | 49 (44 – 55) |
| *Change from baseline\** |  | -16 (p=0.001) | -30 (p<0.001) |
| **Haemoglobin; NR 135-170 g/L** | | | |
| *Absolute* | 134 (126 – 146) | 125 (119 – 128) | 121 (110 – 132) |
| *Change from baseline\** |  | -9 (p=0.003) | -13 (p<0.001) |
| **Platelets; NR 150-410x109/L** | | | |
| *Absolute* | 243 (203 – 277) | 198 (185 – 221) | 195 (173 – 225) |
| *Change from baseline\** |  | -45 (p=0.008) | -48 (p=0.001) |
| **Albumin; NR 35-50g/L** | | | |
| *Absolute* | 46 (43 – 49) | 39 (37 – 41) | 38 (36 – 40) |
| *Change from baseline\** |  | -7 (p=0.001) | -8 (p=0.001) |
| NR: normal range; eGFR, estimated glomerular filtration rate.  Absolute data represented as median (IQR).  *\**Median change from baseline calculated using Wilcoxon rank test. | | | |

***Figure S1***: Mixed model analysis for haemostatic parameters where significant differences were observed between groups