

Supplementary Table 1. Baseline characteristics

| Characteristic | Participants (n=871) |
|---------------------------------------|----------------------|
| Group | |
| SCS (%) [*] | 715 (82.1) |
| NMP (%) [*] | 51 (5.8) |
| IFLT (%) [*] | 105 (12.1) |
| Donor | |
| Gender (%) ^{**} | |
| Male | 683.0 (78.4) |
| Female | 188.0 (21.6) |
| Age (y) [†] | 40.8 (11.7) |
| BMI (kg/m ²) [†] | 23.0 (3.0) |
| Diabetes (%) [*] | 13.0 (1.5) |
| Hypertension (%) [*] | 73.0 (8.4) |
| HBV (%) [*] | 101.0 (11.6) |
| Sodium (mmol/L) [†] | 149.6 (12.0) |
| Potassium (mmol/L) [†] | 4.1 (0.8) |
| Hemoglobin (g/L) [‡] | 87.0 (65.0, 106.0) |
| Tbil (mg/dL) [‡] | 1.1 (0.7, 1.8) |
| AST (U/L) [‡] | 61.3 (34.0, 108.5) |
| ALT (U/L) [‡] | 41.0 (25.0, 80.0) |
| Creatine (umol/L) [‡] | 94.0 (64.2, 146.3) |
| Steatosis (%) [*] | 302.0 (39.5) |
| Recipient | |
| Gender (%) [*] | |
| Male | 780.0 (89.6) |
| Female | 91.0 (10.4) |
| Age (y) [†] | 50.6 (10.8) |
| BMI (kg/m ²) [†] | 23.5 (3.4) |
| MELD score [‡] | 15.0 (10.0, 27.0) |
| Cirrhosis (%) [*] | 312.0 (35.8) |
| Liver failure (%) [*] | 96.0 (11.0) |
| Liver tumor (%) [*] | 292.0 (33.5) |
| Operation time (min) [†] | 440.5 (98.7) |
| Blood loss (L) [†] | 1.5 (0.8, 2.5) |

^{*}Categorical variables were exhibited as frequencies (percentages). [†]Continuous variables with normal distribution were presented as mean (standard deviation), while [‡]continuous variables with non-normal distribution were exhibited as median (interquartile range). SCS, static cold storage; NMP, normothermic machine perfusion; IFLT, ischemia-free liver transplantation; BMI, body mass index; HBV, hepatic B virus; Tbil, total bilirubin; AST, aspartate aminotransferase; ALT, alanine aminotransferase; MELD score, model for end-stage liver disease score.