

Supplementary Table 3. Different baseline characteristics between NMP and SCS

Characteristic	Before PSM			After PSM (2:1)		
	SCS (n=279)	NMP (n=24)	P-value	SCS (n=48)	NMP (n=24)	P-value
Donor						
Gender (%) [*]			0.592			0.844
Male	225.0 (80.6)	18.0 (75.0)		37.0 (77.1)	18.0 (75.0)	
Female	54.0 (19.4)	6.0 (25.0)		11.0 (22.9)	6.0 (25.0)	
Age (y) [†]	37.8 (11.1)	44.6 (11.8)	0.007	44.3 (10.1)	44.6 (11.8)	0.830
BMI (kg/m ²) [†]	22.7 (3.4)	24.1 (3.2)	0.031	24.1 (4.5)	24.1 (3.2)	0.698
Diabetes (%) [*]	2.0 (0.7)	1.0 (4.2)	0.220	0.0 (0.0)	1.0 (4.2)	0.333
Hypertension (%) [*]	20.0 (7.2)	1.0 (4.2)	>0.999	5.0 (10.4)	1.0 (4.2)	0.656
HBV (%) [*]	34.0 (12.2)	1.0 (4.2)	0.333	7.0 (14.6)	1.0 (4.2)	0.255
Sodium (mmol/L) [‡]	148.4 (11.2)	148.3 (9.5)	0.936	150.1 (11.0)	148.3 (9.5)	0.481
Potassium (mmol/L) [‡]	4.1 (0.8)	4.2 (0.6)	0.158	4.1 (0.9)	4.2 (0.6)	0.304
Hemoglobin (g/L) [‡]	90.5 (73.0, 105.0)	87.0 (48.6, 101.0)	0.275	86.0 (69.8, 104.8)	87.0 (48.6, 101.0)	0.512
Tbil (mg/dL) [‡]	1.4 (0.9, 2.6)	2.0 (1.2, 3.5)	0.056	1.4 (0.9, 2.8)	2.0 (1.2, 3.5)	0.160
AST (U/L) [‡]	126.0 (98.5, 177.0)	111.5 (91.5, 167.0)	0.359	127.0 (99.8, 180.3)	111.5 (91.5, 167.0)	0.492
ALT (U/L) [‡]	86.0 (51.5, 143.0)	76.0 (46.0, 135.0)	0.475	82.5 (47.0, 139.7)	76.0 (46.0, 135.0)	0.562
Creatine (umol/L) [‡]	88.0 (61.0, 144.0)	113.3 (92.5, 147.8)	0.058	92.0 (68.0, 138.0)	113.3 (92.5, 147.8)	0.173
Steatosis (%) [*]	80.0 (32.8)	8.0 (34.8)	0.846	18.0 (43.9)	8.0 (34.8)	0.476
Recipient						
Gender (%) [*]			0.123			0.091
Male	258.0 (92.5)	20.0 (83.3)		46.0 (95.8)	20.0 (83.3)	
Female	21.0 (7.5)	4.0 (16.7)		2.0 (4.2)	4.0 (16.7)	
Age (y) [†]	50.2 (10.5)	47.8 (8.6)	0.163	52.3 (8.7)	47.8 (8.6)	0.043
BMI (kg/m ²) [†]	23.4 (3.4)	24.0 (3.4)	0.399	23.7 (3.5)	24.0 (3.4)	0.587
MELD score [‡]	14.0 (10.0, 27.0)	14.5 (8.8, 36.3)	0.687	14.5 (10.8, 31.5)	14.5 (8.8, 36.3)	0.995
Cirrhosis (%) [*]	77.0 (27.6)	13.0 (54.2)	0.006	17.0 (35.4)	13.0 (54.2)	0.128
Liver failure (%) [*]	27.0 (9.7)	8.0 (33.3)	0.003	15.0 (31.3)	8.0 (33.3)	0.858
Liver tumor (%) [*]	87.0 (31.2)	8.0 (33.3)	0.827	20.0 (41.7)	8.0 (33.3)	0.494
Operation time (min) [†]	433.5 (75.2)	436.4 (71.8)	0.953	435.0 (389.5, 475.5)	430.0 (383.3, 475.8)	0.893
Blood loss (L) [‡]	1.5 (0.8, 2.5)	1.0 (0.6, 2.4)	0.467	1.5 (1.0, 2.5)	1.0 (0.6, 2.4)	0.483

Adjusted variables: donor age, BMI, recipient liver cirrhosis, and liver failure. ^{*}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).

NMP, normothermic machine perfusion; SCS, static cold storage; PSM, propensity score matching; 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.