

Supplementary Table 1. Baseline characteristics of patients with or without partial missing data of body composition.

	Without missing BIA (n=690)	Partial missing BIA data (n=76)	P-value
Demographics			
Age, (years)	41.6 ± 12.5	36.1 ± 11.4	<0.001
Male sex, n (%)	499 (72.3)	49 (64.5)	0.150
BMI, kg/m ²	26.9 ± 3.8	29.4 ± 4.1	<0.001
Type 2 diabetes, n (%)	178 (25.8)	12 (15.8)	0.055
Hypertension, n (%)	162 (23.5)	12 (15.8)	0.129
Biochemical measurements			
Albumin (g/L)	46.0 ± 3.9	46.8 ± 3.6	0.091
Platelet count (×10 ⁹)	244.5 ± 62.5	238.0 ± 58.3	0.387
AST (U/L)	34.0 (25.0-52.0)	37.0 (25.0-56.2)	0.485
ALT (U/L)	49.5 (30.0-87.8)	67.1 (34.8-104.0)	0.016
ALP (U/L)	82.0 (67.2-99.8)	80.0 (69.0-94.6)	0.526
Glucose (mmol/L)	5.3 (4.9-6.3)	5.3 (4.8-5.9)	0.112
Total cholesterol (mmol/L)	5.1 (4.4-5.9)	5.1 (4.3-6.0)	0.383
Triglycerides (mmol/L)	1.9 (1.4-2.9)	1.7 (1.2-2.5)	0.058
HDL-C (mmol/L)	1.0 ± 0.3	1.1 ± 0.2	0.002
LDL-C (mmol/L)	3.0 ± 0.9	3.3 ± 0.9	0.004
CK-18 M30 (U/L)	156.1 (74.8-345.2)	-	-
Body composition			
Body Composition Analysis			
Intracellular water (e)	24.6 ± 4.7	24.5 ± 4.4 [74]	0.769
Extracellular water (e)	14.8 ± 2.6	16.0 ± 2.4 [74]	<0.001
Total body water (e)	39.5 ± 7.3	40.4 ± 6.7 [74]	0.301
Soft lean mass (g)	50.6 ± 9.7	52.9 ± 9.6 [74]	0.051
Fat free mass (kg)	53.8 ± 10.1	56.6 ± 10.2 [74]	0.022
Muscle-Fat Analysis			
Weight (kg)	75.9 ± 14.0	82.6 ± 14.7	<0.001
Skeletal muscle mass (kg)	30.1 ± 6.0	32.1 ± 9.9 [47]	0.038
Body fat mass (kg)	22.1 ± 7.4	25.9 ± 9.2	<0.001
Obesity Diagnosis			
Percent body fat (%)	28.8 ± 6.6	31.0 ± 7.8	0.008
Waist-hip ratio	0.9 ± 0.0	0.9 ± 0.1 [47]	<0.001
Lean Balance			
Right arm (kg)	3.1 ± 0.7	3.1 ± 1.0	0.882
Left arm (kg)	3.0 ± 0.7	3.0 ± 1.0	0.966
Trunk (kg)	24.6 ± 4.3	25.0 ± 5.7	0.366
Right leg (kg)	8.1 ± 1.7	9.3 ± 2.7	<0.001
Left leg (kg)	8.1 ± 1.7	9.3 ± 2.7	<0.001
Visceral fat area			
Visceral fat area (cm ²)	102.2 ± 27.5	101.0 ± 34.5 [42]	0.701

Additional Data			
Body cell mass (kg)	35.3 ± 6.6	38.6 ± 6.9 [11]	0.097
Bone mineral content (kg)	3.0 ± 0.6	3.1 ± 0.6 [40]	0.082
Basal metabolic rate (kcal)	1537.0 ± 240.7	1555.1 ± 259.0	0.538
Arm circumference (cm)	33.4 ± 3.1	34.9 ± 1.6 [9]	0.152
Arm muscle circumference (cm)	27.3 ± 2.5	28.2 ± 2.2 [9]	0.259
Non-invasive NASH scores			
ION	38.5 (23.1-66.6) [625]	29.4 (14.1-40.6) [26]	0.043
HAIR	1.0 (1.0-2.0) [670]	1.0 (1.0-2.0) [61]	0.922
NICE	-2.6 (-3.9--0.8) [532]	-	-
Liver histology, n (%)			
Steatosis			0.020
1	280 (40.6)	20 (26.3)	
2	272 (39.4)	42 (55.3)	
3	138 (20.0)	14 (18.4)	
Hepatocyte ballooning			0.013
0	85 (12.3)	1 (1.3)	
1	369 (53.5)	43 (56.6)	
2	236 (34.2)	32 (42.1)	
Lobular inflammation			0.004
0	67 (9.7)	2 (2.6)	
1	388 (56.2)	59 (77.6)	
2	222 (32.2)	14 (18.4)	
3	13 (1.9)	1 (1.3)	
Fibrosis stage			0.126
0	213 (30.9%)	16 (21.1)	
1	325 (47.1%)	36 (47.4)	
2	123 (17.8)	21 (27.6)	
3/4	29 (4.2)	3 (3.9)	
NAS	4.0 (3.0-5.0)	4.5 (4.0-5.0)	0.089
NASH, n (%)	452 (65.5)	64 (84.2)	<0.001

Abbreviations: ALT: alanine aminotransferase; AST: aspartate aminotransferase; ALP: alkaline phosphatase; HDL-C: high-density lipoprotein cholesterol; LDL-C: low-density lipoprotein cholesterol; CK-18 M30: cytokeratine-18 neoepitope M30; NAS: NAFLD activity score; NASH: nonalcoholic steatohepatitis.

[n]: the numbers of data available.