

Table S1. Comparison of demographics and clinical characteristics among 4 groups according to the extent of muscle abnormalities (patients 194)

	Group A Neither MS nor sarcopenia (N=49)	Group B MS alone (N=60)	Group C MS combined by low handgrip* (N=34)	Group D MS combined by low handgrip & low SMI* (N=51)	<i>P</i> ₁	<i>P</i> ₂	<i>P</i> ₃	<i>P</i> ₄	<i>P</i> ₅	<i>P</i> ₆	<i>P</i>
Age	56.0 (50.0-63.5)	57.5 (51.25-66.00)	62.5 (57.0-69.5)	67.00 (59.00-72.50)	0.176	0.009	<0.001	0.111	0.003	0.121	< 0.001
Gender (Male, N, %)	37 (75.5)	40 (66.7)	17 (50.0)	35 (68.6)	0.313	0.017	0.443	0.112	0.826	0.084	0.109
Dry BMI	26.67 (25.61- 29.98)	24.4 (22.04- 28.83)	28.15 (24.08- 34.05)	23.28 (20.80- 26.41)	0.004	0.520	<0.001	0.018	0.020	<0.001	<0.001
Aetiology (N, %): - Alcoholic - Viral - Other	20 (40.8) 17 (34.7) 12 (24.5)	24 (40) 17 (28.3) 19 (31.7)	17 (50.0) 6 (17.6) 11 (32.4)	24 (47.1) 4 (7.8) 23 (45.1)	0.656	0.231	0.003	0.469	0.021	0.282	0.038
Decompensated cirrhosis (N, %)	16 (32.7)	35 (58.3)	25 (73.5)	41 (80.4)	0.008	< 0.001	< 0.001	0.141	0.013	0.457	< 0.001
MELD score	9.0 (7.0-10.75)	11.0 (7.00-14.0)	10.0 (7.00-15.75)	15.0 (11.50-21.50)	0.241	0.184	< 0.001	0.743	< 0.001	0.017	< 0.001
Child-Pugh score	5.0 (5.0-7.0)	7.0 (5.0-9.0)	7.0 (6.0-8.0)	9.0 (7.0-10.0)	0.01	0.002	< 0.001	0.453	0.002	0.043	< 0.001
Handgrip strength	32. 0 (24.50-40.0)	34.00 (30.0-38.00)	18.50 (15.50-27.25)	20.0 (14.0-25.0)	0.240	< 0.001	< 0.001	< 0.001	< 0.001	0.689	< 0.001
SMI	54.20 (49.72-57.48)	46.84 (42.25-53.03)	51.03 (44.38-57.82)	40.50 (31.57-45.54)	< 0.001	0.189	< 0.001	0.057	< 0.001	< 0.001	< 0.001
SPPB	12.0 (10.0-12.0)	11.0 (10.0-12.0)	9.0 (6.75-11.0)	8.00 (3.75-10.00)	0.416	< 0.001	< 0.001	< 0.001	< 0.001	0.036	< 0.001
VATI	45.38 (27.97-62.28)	50.60 (28.85-80.08)	54.78 (35.72-96.31)	47.43 (26.16-63.81)	0.171	0.079	0.893	0.504	0.210	0.101	0.194
SATI	66.25 (48.62-92.32)	58.10 (36.35-87.65)	87.27 (48.62-124.09)	44.36 (25.90-66.70)	0.155	0.151	< 0.001	0.008	0.008	< 0.001	< 0.001
Mean HU attenuation	37.34 (33.94-40.35)	30.66 (26.75-35.65)	27.98 (23.30-31.15)	27.83 (22.50-32.35)	< 0.001	< 0.001	< 0.001	0.026	0.026	0.950	< 0.001

*Groups C and D had sarcopenia according to the updated EWGSOP-2 criteria (²); HU, Hounsfield Units; MS myosteatosis; SATI, subcutaneous adipose tissue index; SMI, skeletal mass index; SPPB, short physical performance battery test; VATI, visceral adipose tissue index

P_1 : corresponds to the comparison between groups A B; P_2 corresponds to the comparison between groups A and C; P_3 corresponds to the comparison between groups A and D; P_4 corresponds to the comparison between groups B and C; P_5 corresponds to the comparison between groups B and D; P_6 corresponds to the comparison between groups C and D

Mann-Whitney ($P_1, P_2, P_3, P_4, P_5, P_6$) and Kruskal Wallis tests (P) were used for continuous variables and for χ^2 test was used for categorical variables