

Table S1 Assessment of degree of undernutrition using CONUT score

Parameter	Undernutrition degree			
	Normal	Light	Moderate	Severe
Serum Albumin (g/dl)	3.5–4.5	3.0–3.49	2.5–2.9	<2.5
Score	0	2	4	6
Total Lymphocytes/ml	>1,600	1,200–1,599	800–1,199	<800
Score	0	1	2	3
Cholesterol (mg/dl)	>180	140–180	100–139	<100
Score	0	1	2	3
Screening Total Score	0–1	2–4	5–8	9–12

CONUT, COntrolling NUTritional status.

Table S2 Clinical data of patients with a BMI <25 Kg/m²

Variables	Non-sarcopenic (225)	Sarcopenic (75)	P value
Psoas muscle area, cm ² , median (IQR)	21.92 (15.71, 27.71)	14.57 (10.02, 19.07)	<0.001
Psoas muscle area index, cm ² /m ² , median (IQR)	8.32 (6.01, 10.53)	5.33 (3.74, 7.47)	<0.001
Nutritional risk index, median (IQR)	103.71 (98.08, 108.89)	101.09 (94.53, 107.59)	0.038
Duration of MV support, hour, median (IQR)	16.50 (14.00, 24.00)	16.00 (12.50, 18.00)	0.018
Duration of ICU stays, day, median (IQR)	3.00 (2.00, 5.00)	2.00 (2.00, 3.50)	0.079
Complications, n (%)	115 (51.1)	45 (60.0)	0.181
In-hospital death, n (%)	15 (6.7)	3 (4.0)	0.576
Infection, n (%)	45 (20.0)	16 (21.3)	0.804
Prolonged MV support (>24 hr), n (%)	31 (13.8)	18 (24.0)	0.109
Duration of ICU stay >2 days, n (%)	99 (44.0)	41 (54.7)	0.038

BMI, body mass index; ICU, intensive care unit; IQR, interquartile ranges; MV, mechanical ventilator.

Table S3 Clinical data of patients with a BMI ≥ 25 kg/m²

Variables	Non-sarcopenic (150)	Sarcopenic (49)	P value
Psoas muscle area, cm ² , median (IQR)	21.08 (15.96, 25.82)	15.50 (11.10, 18.60)	<0.001
Psoas muscle area index, cm ² /m ² , median (IQR)	7.85 (5.97, 9.82)	5.73 (4.29, 7.21)	<0.001
Nutritional risk index, median (IQR)	113.15 (108.24, 119.51)	113.38 (105.04, 120.45)	0.784
Duration of MV support, hour, median (IQR)	16.00 (13.00, 19.00)	17.00 (14.50, 39.00)	0.023
Duration of ICU stays, day, median (IQR)	2.00 (2.00, 4.00)	3.00 (2.00, 5.00)	0.049
Complications, n (%)	78 (52.0)	31 (63.3)	0.169
In-hospital death, n (%)	7 (4.7)	6 (12.2)	0.091
Infection, n (%)	27 (18.0)	10 (20.4)	0.707
Prolonged MV support (>24 hr), n (%)	25 (16.7)	17 (34.7)	0.007
Duration of ICU stay >2 days, n (%)	70 (46.7)	31 (63.3)	0.044

BMI, body mass index; ICU, intensive care unit; IQR, interquartile ranges; MV, mechanical ventilator.