

Supplement table 1. Clinical characteristics and immune status between patients with or without immune dysfunction (Day 1-HLA-DR <87.2%) (n = 151).

	Day 1-HLA-DR <87.2% (n=48, 31.8%)	Day 1-HLA-DR ≥87.2% (n=103, 68.2%)	p
Age (years), mean (SD)	71.0 (13.6)	65.6 (15.6)	0.042
Male, n (%)	23 (47.9)	37 (35.9)	0.161
Body Mass Index, mean (SD)	21.5 (5.0)	24.0 (4.8)	0.007
Coronary artery disease, n (%)	13 (27.1)	32 (31.1)	0.618
Hypertension, n (%)	26 (54.2)	61 (59.2)	0.558
Diabetes mellitus, n (%)	22 (45.8)	53 (51.5)	0.520
Stroke, n (%)	11(22.9)	21(20.4)	0.723
Chronic kidney disease, n (%)	11 (22.9)	23 (22.3)	0.936
Cancer, n (%)	9 (18.8)	20 (19.4)	0.923
Cirrhosis, n (%)	2 (4.2)	4 (3.9)	0.934
SOFA score, mean (SD)	9.6 (3.4)	9.4 (3.7)	0.791
Interleukin-6, pg/mL, mean (SD)	312.2 (1132.3)	313.7 (1147.4)	0.960
NUTRIC score, mean (SD)	6.1 (1.8)	5.5 (1.9)	0.075

Abbreviations: SOFA: Sequential Organ Failure Assessment; HLA-DR: Human Leukocyte Antigen DR.

Supplement table 2. Clinical characteristics in patients with different day 7 caloric meet and day 1 HLA-DR (n = 122).

Day 7 caloric meet and day 1 HLA-DR	Group A: low day 7 caloric meet, with immune dysfunction (n=9)	Group B: low day 7 caloric meet, without immune dysfunction (n=16)	Group C: high day 7 caloric meet, with immune dysfunction (n=28)	Group D: high day 7 caloric meet, without immune dysfunction (n=69)	p
Age (years), mean (SD)	76.7 (15.0)	63.3(15.3)	70.5(13.8)	65.3(15.3)	0.143
Male, n (%)	3(33.3)	6(37.5)	14(50.0)	25(36.2)	0.621
Body Mass Index, mean (SD)	18.9(2.9)	24.3(4.3)	21.7(5.5)	23.7(5.0)	0.019
Coronary artery disease, n (%)	2 (22.2)	5 (31.3)	6 (21.4)	22 (31.9)	0.729
Hypertension, n (%)	4(44.4)	7(43.8)	15(53.6)	43(62.3)	0.451
Diabetes mellitus, n (%)	3(33.3)	8(50.0)	14(50.0)	34(49.3)	0.829
Stroke, n (%)	2(22.2)	3(18.8)	7(25.0)	15(21.7)	0.970
Chronic kidney disease, n (%)	3(33.3)	6(37.5)	5(17.9)	12(17.4)	0.250
Cancer, n (%)	4 (44.4)	7(43.8)	3(10.7)	11(15.9)	0.012
Cirrhosis, n (%)	1(11.1)	2(12.5)	0(0)	2(2.9)	0.142
SOFA score, mean (SD)	9.6 (4.2)	11.7 (5.2)	9.1 (2.9)	8.7 (3.0)	0.025
NUTRIC score, mean (SD)	6.1 (2.2)	5.4 (2.2)	5.9 (1.8)	5.4 (1.9)	0.493

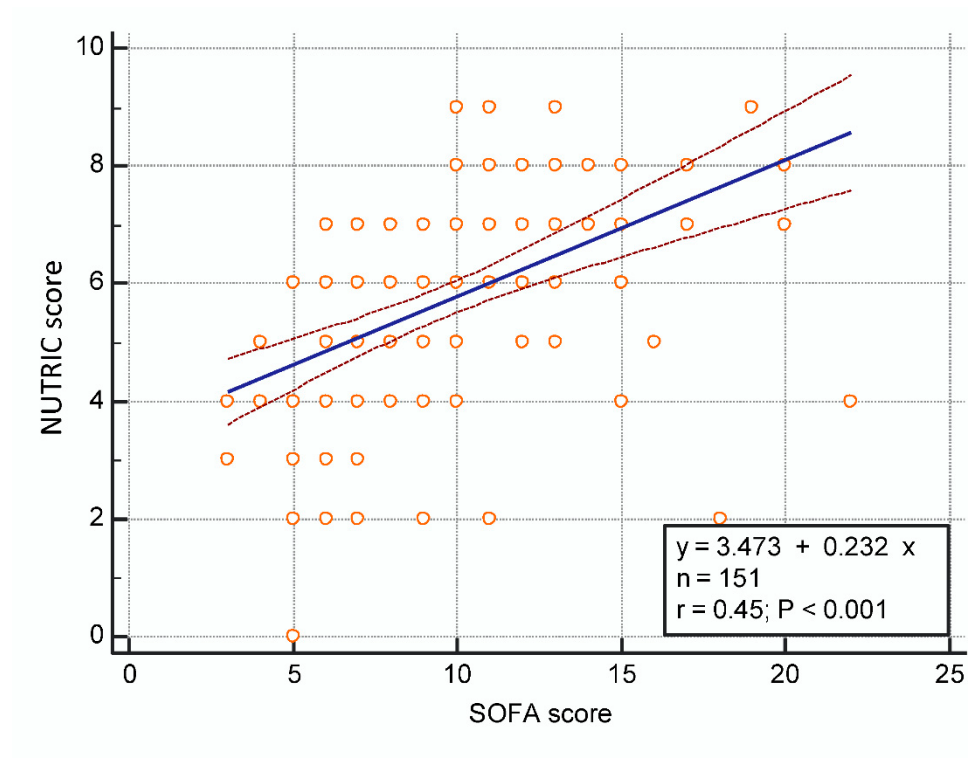


Figure S1. Scatter plot of NUTRIC score (X) and SOFA score.