

Supplement Table 1. Distribution of medical departments

Variable	ENS (n=108)	CON (n=38)	Total (n=146)	P-value ^a
EM	1 (0.9)	0 (0)	1 (0.7)	<0.001
OS	1 (0.9)	0 (0)	1 (0.7)	
IMI	0 (0)	2 (5.3)	2 (1.4)	
GS	3 (2.8)	0 (0)	3 (2.1)	
IMC	5 (4.6)	0 (0)	5 (3.4)	
IMH	6 (5.6)	0 (0)	6 (4.1)	
RM	7 (6.5)	1 (2.6)	8 (5.5)	
NR	10 (9.3)	0 (0)	10 (6.8)	
NS	12 (11.1)	0 (0)	12 (8.2)	
IMG	9 (8.3)	4 (10.5)	13 (8.9)	
IMN	20 (18.5)	20 (52.6)	40 (27.4)	
IMR	34 (31.5)	11 (28.9)	45 (30.8)	

Values are presented as number (%).

ENS = patients who received enteral or parenteral nutritional support within 48 hours of admission; CON = patients who received enteral or parenteral nutritional support 48 hours after admission; EM = emergency medicine; OS = orthopedic surgery; IMI = internal medicine infection; GS = gastrointestinal surgery; IMC = internal medicine cardiology; IMH = internal medicine hematology; RM = rehabilitation medicine; NR = neurology; NS = neurosurgery; IMG = internal medicine gastroenterology; IMN = internal medicine nephrology; IMR = internal medicine respiratory.

^aStatistical analysis by χ^2 -test.

Supplement Table 2. Daily required and delivered nutritional amount in the two groups

Variable	ENS (n=108)	CON (n=38)	P-value ^a
Enteral nutrition			
Energy (kcal)			
Requirement	1,388.23±181.52	1,434.87±203.64	0.113
Order (delivered)	426.02±308.31	273.21±240.68	0.010
Total ordered/required calorie ratio (%)	31.46±22.96	18.76±15.44	0.004
Protein (g)			
Requirement	59.99±13.43	52.00±12.83	0.002
Order (delivered)	17.69±12.69	11.53±10.31	0.013
Total ordered/required protein ratio (%)	31.40±24.20	22.14±18.61	0.055
Parenteral nutrition			
Energy (kcal)			
Requirement	1,388.23±181.52	1,434.87±203.64	0.113
Order (delivered)	250.68±202.77	261.60±165.73	0.285
Total ordered/required calorie ratio (%)	18.56±15.74	18.96±13.27	0.417
Protein (g)			
Requirement	59.99±13.43	52.00±12.83	0.002
Order (delivered)	7.52±8.85	4.83±7.63	0.038
Total ordered/required protein ratio (%)	13.16±16.64	9.09±14.55	0.064

Enteral nutrition & Parenteral nutrition			
Energy (kcal)			
Requirement	1,388.23±181.52	1,434.87±203.64	0.113
Order (delivered)	686.71±296.47	534.82±255.68	0.010 ^b
Total ordered/required calorie ratio (%)	50.03±23.40	37.72±17.45	0.004 ^b
Protein (g)			
Requirement	59.99±13.43	52.00±12.83	0.002
Order (delivered)	25.21±12.43	16.36±12.22	0.000
Total ordered/required protein ratio (%)	44.56±25.13	31.23±21.40	0.002

Values are presented as mean±standard deviation.

ENS = patients who received enteral or parenteral nutrition within 48 hours of admission; CON = patients who received enteral or parenteral nutritional support 48 hours after admission.

^aStatistical analysis by Mann–Whitney U-test; ^bstatistical analysis by independent t-test.

Supplement Table 3. Logistic regression analysis of general characteristics and ENS on ICU admission

Variable	Model 1		Model 2	
	OR (95% CI)	P-value	aOR (95% CI)	P-value
Age (yr)	1.02 (0.97–1.08)	0.362	1.03 (0.97–1.09)	0.351
Height (cm)	0.98 (0.94–1.03)	0.507	0.98 (0.93–1.04)	0.535
Admission type				
Medical	1		1	
Surgical	5.18 (1.73–15.54)	0.003	15.06 (2.73–83.20)	0.002
Nutritional status				
Well-nourished	1		1	
Moderate malnutrition	0.84 (0.28–2.51)	0.751	1.53 (0.34–6.95)	0.584
Severe malnutrition	0.37 (0.11–1.27)	0.115	0.75 (0.15–3.82)	0.732
Nutritional support access				
EN	1		1	
PN	1.39 (0.36–5.42)	0.633	1.75 (0.32–9.49)	0.519
EN+PN	0.80 (0.28–2.26)	0.668	0.83 (0.24–2.83)	0.761
ENS				
No	1		1	
Yes	0.32 (0.12–0.82)	0.018	0.14 (0.04–0.53)	0.004

Model 1 = univariable logistic regression; Model 2 = multivariable logistic regression with adjustment of age, admission type, and nutrition support access.

ENS = patients who received enteral or parenteral nutrition within 48 hours of admission; ICU = intensive care unit; OR = odds ratio; aOR = adjusted odds ratio; EN = enteral nutrition; PN = parenteral nutrition.

1 **Supplement Table 4.** Standardized mean difference before and after PSM

Variable	Before PSM (n=146)			After PSM (n=62)		
	ENS (n=108)	CON (n=38)	SMD	ENS (n=31)	CON (n=31)	SMD
Age (yr)	77.56±9.79	81.66±9.34	-0.42	79.61±8.66	80.23±8.80	-0.06
Admission type ^a						
Surgical	18 (16.7)	0 (0)	0.45	0 (0)	0 (0)	0.00
Height (cm)	160.50±8.90	163.18±10.27	-0.30	162.35±9.08	162.35±9.84	0.00
Nutrition support access ^b						
PN only	17 (15.7)	3 (7.9)	0.22	3 (9.7)	3 (9.7)	0.00
EN & PN	63 (58.3)	17 (44.7)	0.28	18 (58.1)	16 (51.6)	0.13
Nutritional status ^c						
Moderate malnutrition	33 (30.6)	19 (50.0)	-0.42	12 (38.7)	12 (38.7)	0.00
Severe malnutrition	45 (41.7)	14 (36.8)	0.10	15 (48.4)	14 (45.2)	0.07

Values are presented as mean±standard deviation or number (%).

PSM = propensity score matching; ENS = patients who received enteral or parenteral nutrition within 48 hours of admission; CON = patients who received enteral or parenteral nutritional support 48 hours after admission; PN = parenteral nutrition; EN = enteral nutrition.

^aReference = medical; ^breference = EN only; ^creference = well-nourished.

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