

Supplementary Table 1. Patient characteristics after propensity score matching

Characteristic	Total data (n = 565)				Matched data (n = 268)			
	Steroid	No (n = 161)	Yes (n = 404)	p value	SDM	No (n = 134)	Yes (n = 134)	SDM
Sex				0.006	0.267			0.052
Male		122 (75.78)	257 (63.61)			100 (74.63)	103 (76.87)	
Female		39 (24.22)	147 (36.39)			34 (25.37)	31 (3.13)	
Age, yr		63.006 ± 14.626	63.114 ± 12.957	0.932	0.008	63.61 ± 14.46	63.77 ± 12.88	0.011
Body mass index, kg/m ²		22.769 ± 4.604	22.529 ± 3.730	0.559	0.057	22.41 ± 4.34	22.40 ± 3.57	0.002
Diabetes mellitus	No	101 (62.73)	282 (69.8)	0.105	0.150	87 (64.93)	84 (62.69)	0.047
	Yes	60 (37.27)	122 (30.2)			47 (35.07)	50 (37.31)	
Solid tumor	No	103 (63.98)	293 (72.52)	0.045	0.184	89 (66.42)	88 (65.67)	0.016
	Yes	58 (36.02)	111 (27.48)			45 (33.58)	46 (34.33)	
Cardiovascular disease	No	149 (92.55)	378 (93.56)	0.663	0.040	123 (91.79)	124 (92.54)	0.028
	Yes	12 (7.45)	26 (6.44)			11 (8.21)	10 (7.46)	
Pulmonary disease	No	142 (88.2)	346 (85.64)	0.424	0.076	116 (86.57)	118 (88.06)	0.045
	Yes	19 (11.8)	58 (14.36)			18 (13.43)	16 (11.94)	
Chronic kidney disease	No	149 (92.55)	371 (91.83)	0.777	0.027	123 (91.79)	122 (91.04)	0.027
	Yes	12 (7.45)	33 (8.17)			11 (8.21)	12 (8.96)	
Cerebrovascular disease	No	144 (89.44)	378 (93.56)	0.095	0.148	120 (89.55)	122 (91.04)	0.050
	Yes	17 (10.56)	2 (66.44)			14 (10.45)	12 (8.96)	
Hematologic disease	No	150 (93.17)	342 (84.65)	0.007	0.274	123 (91.79)	126 (94.03)	0.087
	Yes	11 (6.83)	62 (15.35)			11 (8.21)	8 (5.97)	
Chronic liver disease	No	131 (81.37)	361 (89.36)	0.011	0.228	116 (86.57)	113 (84.33)	0.064
	Yes	30 (18.63)	43 (10.64)			18 (13.43)	21 (15.67)	
Post-transplant state	No	157 (97.52)	359 (88.86)	0.001	0.349	130 (97.01)	128 (95.52)	0.079
	Yes	4 (2.48)	45 (11.14)			4 (2.99)	6 (4.48)	
GCS score		4 (2-9)	2 (2-9)	0.788	0.026	4 (2-9)	3 (2-14)	0.042
SOFA score		11.081 ± 3.679	11.366 ± 3.798	0.416	0.076	11.01 ± 3.69	10.93 ± 3.63	0.025
Community-acquired pneumonia	No	135 (83.85)	330 (81.68)	0.542	0.057	110 (82.09)	112 (83.58)	0.040
	Yes	26 (16.15)	74 (18.32)			24 (17.91)	22 (16.42)	
Healthcare-associated pneumonia	No	133 (82.61)	285 (70.54)	0.003	0.288	111 (82.84)	111 (82.84)	0.000
	Yes	28 (17.39)	119 (29.46)			23 (17.16)	23 (17.16)	
Hospital-acquired pneumonia	No	129 (80.12)	336 (83.17)	0.392	0.079	111 (82.84)	109 (81.34)	0.039
	Yes	32 (19.88)	68 (16.83)			23 (17.16)	25 (18.66)	
Aspiration	No	138 (85.71)	371 (91.83)	0.028	0.195	117 (87.31)	114 (85.07)	0.065
	Yes	23 (14.29)	33 (8.17)			17 (12.69)	20 (14.93)	
Others	No	156 (96.89)	374 (92.57)	0.055	0.194	129 (96.27)	128 (95.52)	0.038
	Yes	5 (3.11)	30 (7.43)			5 (3.73)	6 (4.48)	
Sepsis	No	134 (83.23)	342 (84.65)	0.675	0.039	109 (81.34)	107 (79.85)	0.038
	Yes	27 (16.77)	62 (15.35)			25 (18.66)	27 (20.15)	
Non-sepsis	No	147 (91.3)	387 (95.79)	0.035	0.183	122 (91.04)	125 (93.28)	0.083
	Yes	14 (8.7)	17 (4.21)			12 (8.96)	9 (6.72)	

Values are presented as number (%), mean ± SD, or median (interquartile range). Categorical variables: chi-square test or Fisher's exact test (discrimination: c-statistics = 0.792; calibration: Hosmer-Lemeshow statistics p value = 0.1580). Continuous variables: Student's *t* test.

SDM, standardized difference of the mean; GCS, Glasgow Coma Scale; SOFA, Sequential Organ Failure Assessment.