

**Table S1.** Measured outcomes during intensive care stay and hospital mortality in all the patients and in patients with and without CAPA.

OUTCOME	All population (n=579)	No CAPA (n=483)	CAPA (n=96)	p value
ICU mortality (n, %)	157 (27,1%)	109 (22,6%)	48 (50%)	<0.001
90-day mortality (n, %)	182 (31,5%)	130 (27%)	52 (54,2%)	<0.001
ICU length of stay (days; median, IQR)	8 (4-18)	7 (4-14)	19 (8-39)	<0.001
Hospital length of stay (days; median, IQR)	23 (15-37)	22(14-35)	31 (20-54)	<0.001
Mechanical ventilation-free days at day 60 (days; median, IQR)	51 (0-57)	53 (0-58)	0 (0-35)	<0.001
Time to CAPA occurrence (days; median, IQR)	5,5 (1,0-12,0)		5,5 (1,0-12,0)	
Secondary bacterial infection (n, %)	200 (34, 5%)	139 (28.8%)	61 (63.5%)	<0.001
Bacteremia (n, %)	85 (14,7%)	61 (12.7%)	24 (25%)	0.002
Pneumonia (n, %)	162 (28%)	113 (23.4%)	49 (51%)	<0.001
Viral reactivations (n, %)	181 (58,8%)	128 (53,8%)	53 (75,7%)	0.001
CMV reactivation (n, %)	117 (20,6)	77 (16,3)	40 (41,7)	<0,001
Peak CMV-DNA load (copies/ml; median, IQR)	671 (194-1741)	441 (155-1374)	1077 (499-2649)	0,015
Time to CMV reactivation (days; median, IQR)	14(4-24)	13 (3-23)	18 (7-27)	0,154