

Table S1. **(A)**. Characteristics of patients according to the ICU type. **(B)**. Characteristics of infection according to the ICU type.

(A)										
		All patients (n=435)	ICU							
			General (n=60)	Cardiosurgic al (n=76)	Traumatolog ic (n=104)	Post- operative (n=82)	Neurosurgic al (n=39)	Pediatric (n=30)	Emergency department (n=26)	Gynecologic/ Obstetrical (n=18)
Age, year, mean (SD)		58 (20.6)	60 (10.8)	63 (10.1)	58 (18.8)	64 (14.2)	63 (16.6)	4 (4.9)	67 (12.2)	57 (19.2)
Male, n (%)		261 (60.0)	43 (71.7)	50 (65.8)	71 (68.3)	51 (62.2)	16 (41.0)	16 (53.3)	14 (53.8)	0 (0)
Type of admission, n (%)	Medical	120 (27.6)	39 (65.0)	8 (10.5)	30 (28.8)	8 (9.8)	11 (28.2)	15 (50.0)	7 (26.9)	2 (11.1)
	Surgical election	158 (36.3)	10 (16.7)	56 (73.7)	9 (8.7)	54 (65.9)	5 (12.8)	10 (33.3)	1 (3.8)	13 (72.2)
	Surgical emergency	105 (24.1)	9 (15.0)	12 (15.8)	17 (16.3)	20 (24.4)	22 (56.4)	4 (13.3)	18 (69.2)	3 (16.7)
	Trauma	52 (12.0)	2 (3.3)	0 (0)	48 (46.2)	0 (0)	1 (2.6)	1 (3.3)	0 (0)	0 (0)
Reason for admission, n (%)	Respiratory	57 (13.1)	29 (48.3)	4 (5.3)	10 (9.6)	2 (2.4)	0 (0)	11 (36.7)	1 (3.8)	0 (0)
	Cardiovascular	55 (12.6)	16 (26.7)	15 (19.7)	4 (3.8)	9 (11.0)	1 (2.6)	1 (3.3)	9 (34.6)	0 (0)
	Neurological	80 (18.4)	8 (13.3)	1 (1.3)	16 (15.4)	8 (9.8)	37 (94.9)	5 (16.7)	5 (19.2)	0 (0)
	Trauma	57 (13.1)	2 (3.3)	0 (0)	54 (51.9)	0 (0)	0 (0)	0 (0)	1 (3.8)	0 (0)
	Surveillance	154 (35.4)	4 (6.7)	55 (72.4)	11 (10.6)	56 (68.3)	0 (0)	13 (43.3)	1 (3.8)	14 (77.8)
	Other	32 (7.4)	1 (1.7)	1 (1.3)	9 (8.7)	7 (8.5)	1 (2.6)	0 (0)	9 (34.6)	4 (22.2)
Comorbidities, yes, n (%)		274 (63.0)	41 (68.3)	62 (81.6)	38 (36.5)	74 (90.2)	21 (53.8)	7 (23.3)	18 (69.2)	13 (72.2)
SOFA, mean (SD) ^a		5 (4.1)	6 (3.9)	7 (4.6)	4 (4.1)	4 (3.0)	6 (2.9)	6 (0)	9 (4.4)	1 (1.2)
Invasive ventilation, n (%)		217 (49.9)	39 (65.0)	51 (67.1)	47 (45.2)	19 (23.2)	22 (56.4)	16 (53.3)	23 (88.5)	0 (0)
Non-invasive ventilation, n (%)		35 (8.0)	5 (8.3)	8 (10.5)	3 (2.9)	7 (8.5)	1 (2.6)	6 (20.0)	0 (0)	5 (27.8)
Tracheostomy, n (%)		114 (26.2)	16 (26.7)	16 (21.1)	45 (43.3)	9 (11.0)	25 (64.1)	1 (3.3)	2 (7.7)	0 (0)
Vasopressor use, n (%)		114 (26.2)	15 (25.0)	46 (60.5)	15 (14.4)	11 (13.4)	10 (25.6)	2 (6.7)	15 (57.7)	0 (0)
CVC, n (%)		372 (85.5)	52 (86.7)	73 (96.1)	92 (88.5)	71 (86.6)	33 (84.6)	17 (56.7)	25 (96.2)	9 (50.0)
Urinary catheter, n (%)		407 (93.6)	54 (90.0)	74 (97.4)	96 (92.3)	76 (92.7)	37 (94.9)	26 (86.7)	26 (100.0)	18 (100.0)
Renal replacement therapy, n (%)		39 (9.0)	13 (21.7)	13 (17.1)	4 (3.8)	5 (6.1)	1 (2.6)	2 (6.7)	1 (3.8)	0 (0)
ECMO, n (%)		8 (1.8)	5 (8.3)	3 (3.9)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Septic shock, n (%)		69 (15.9)	14 (23.3)	23 (30.3)	9 (8.7)	4 (4.9)	7 (17.9)	0 (0)	12 (46.2)	0 (0)
Hyperlactacidemia, n (%)		77 (17.7)	5 (8.3)	32 (42.1)	4 (3.8)	18 (22.0)	0 (0)	2 (6.7)	13 (50.0)	3 (16.7)
ICU length of stay, days, median (IQR) ^a		14 (4-36)	21 (4-57)	7 (2-31)	26 (10-32)	4 (1-9)	26 (10-39)	8 (2-15)	7 (0-21)	4 (2-5)
Hospital length of stay, days, median (IQR) ^a		29 (15-54)	53 (28-72)	27 (15-49)	58 (36-68)	21 (11-43)	50 (18-57)	36 (15-62)	34 (11-44)	11 (7-18)
Mortality at 60 days, n (%) ^a		52 (12.9)	10 (18.2)	11 (15.7)	11 (11.1)	6 (7.5)	1 (2.9)	2 (7.4)	10 (47.6)	1 (5.9)
(B)										
		All patients	ICU							

		(n=435)	General (n=60)	Cardiosurgic al (n=76)	Traumatologic ic (n=104)	Post- operative (n=82)	Neurosurgic al (n=39)	Pediatric (n=30)	Emergency department (n=26)	Gynecologic/ Obstetrical (n=18)
Infection, n (%)		184 (42.3)	47 (78.3)	31 (40.8)	42 (40.4)	15 (18.3)	21 (53.8)	12 (40.0)	15 (57.7)	1 (5.6)
Antibiotic prophylaxis, n (%)		149 (34.3)	6 (10.0)	38 (50.0)	9 (8.7)	58 (70.7)	4 (10.3)	10 (33.3)	8 (30.8)	16 (88.9)
Antibiotic therapy, n (%)		162 (37.2)	39 (65.0)	30 (39.5)	34 (32.7)	15 (18.3)	16 (41.0)	12 (40.0)	15 (57.7)	1 (5.6)
Positive Isolates, n (%)	Gram-positive	34 (7.8)	7 (11.7)	5 (6.6)	5 (4.8)	5 (6.1)	8 (20.5)	3 (10.0)	1 (3.8)	0 (0)
	Gram-positive MS	19 (4.4)	2 (3.3)	3 (3.9)	3 (2.9)	2 (2.4)	6 (15.4)	3 (10.0)	0 (0)	0 (0)
	Gram-positive MDR	17 (3.9)	5 (8.3)	2 (2.6)	2 (1.9)	3 (3.7)	4 (10.3)	0 (0)	1 (3.8)	0 (0)
	Gram-negative	98 (22.5)	23 (38.3)	13 (17.1)	29 (27.9)	10 (12.2)	12 (30.8)	7 (23.3)	4 (15.4)	0 (0)
	Gram-negative MS	69 (15.9)	15 (25.0)	8 (10.5)	19 (18.3)	6 (7.3)	12 (30.8)	7 (23.3)	2 (7.7)	0 (0)
	Gram-negative MDR	47 (10.8)	14 (23.3)	8 (10.5)	16 (15.4)	6 (7.3)	1 (2.6)	0 (0)	2 (7.7)	0 (0)
	All MDR bacteria	59 (13.6)	16 (26.7)	10 (13.2)	18 (17.3)	7 (8.5)	5 (12.8)	0 (0)	3 (11.5)	0 (0)
	Fungi	19 (4.4)	11 (18.3)	1 (1.3)	3 (2.9)	2 (2.4)	1 (2.6)	0 (0)	1 (3.8)	0 (0)
	Viruses	8 (1.8)	4 (6.7)	1 (1.3)	1 (1.0)	1 (1.2)	0 (0)	1 (3.3)	0 (0)	0 (0)
	<i>Klebsiella</i>	40 (9.2)	12 (20.0)	8 (10.5)	10 (9.6)	5 (6.1)	1 (2.6)	2 (6.7)	2 (7.7)	0 (0)
	<i>Pseudomonas</i>	30 (6.9)	12 (20.0)	2 (2.6)	10 (9.6)	2 (2.4)	2 (5.1)	1 (3.3)	1 (3.8)	0 (0)
	<i>Acinetobacter</i>	16 (3.7)	2 (3.3)	2 (2.6)	8 (7.7)	1 (1.2)	3 (7.7)	0 (0)	0 (0)	0 (0)
	Bacteria resistant to Carbapenems	36 (8.3)	11 (18.3)	6 (7.9)	13 (12.5)	5 (6.1)	0 (0)	0 (0)	1 (3.8)	0 (0)
Site of infection, n (%)	Respiratory system	114 (26.2)	30 (50.0)	21 (27.6)	20 (19.2)	12 (14.6)	20 (51.3)	6 (20.0)	5 (19.2)	0 (0)
	Abdomen	21 (4.8)	8 (13.3)	0 (0)	2 (1.9)	2 (2.4)	0 (0)	1 (3.3)	8 (30.8)	0 (0)
	Circulation	69 (15.9)	20 (33.3)	17 (22.4)	17 (16.3)	5 (6.1)	1 (2.6)	3 (10.0)	6 (23.1)	0 (0)
	Kidney/genitourinary	17 (3.9)	6 (10.0)	0 (0)	4 (3.8)	1 (1.2)	4 (10.3)	1 (3.3)	0 (0)	1 (5.6)
	Others	26 (6.0)	6 (10.0)	1 (1.3)	14 (13.5)	2 (2.4)	0 (0)	3 (10.0)	0 (0)	0 (0)
Acquisition mode, n (%)	Community-acquired	36 (8.3)	16 (26.7)	3 (3.9)	4 (3.8)	2 (2.4)	0 (0)	6 (20.0)	5 (19.2)	0 (0)
	Hospital-acquired/Health Care-associated	41 (9.4)	6 (10.0)	5 (6.6)	9 (8.7)	5 (6.1)	6 (15.4)	3 (10.0)	6 (23.1)	1 (5.6)
	ICU-acquired	117 (26.9)	25 (41.7)	23 (30.3)	34 (32.7)	11 (13.4)	16 (41.0)	4 (13.3)	4 (15.4)	0 (0)
Evidence of Infection, n (%)	Certain	108 (24.8)	31 (51.7)	15 (19.7)	35 (33.7)	9 (11.0)	6 (15.4)	8 (26.7)	4 (15.4)	0 (0)
	Probable	44 (10.1)	11 (18.3)	11 (14.5)	5 (4.8)	5 (6.1)	4 (10.3)	1 (3.3)	7 (26.9)	0 (0)
	Feasible	52 (12.0)	8 (13.3)	8 (10.5)	9 (8.7)	4 (4.9)	14 (35.9)	3 (10.0)	5 (19.2)	1 (5.6)

CVC: central venous catheter; ECMO: Extracorporeal membrane oxygenation; ICU: Intensive care unit; IQR: interquartile range; SD: standard deviation; SOFA: Sequential Organ Failure Assessment score; MDR: multi-drug resistant; MS: multi-sensitive. * Significant at 5% level; ^a Total patients is not 435 because of missing values. Percentages are calculated considering missing values. Percentages can exceed 100% because patients could have more than one infection.