Supplementary Table 4. Other medication, steroid and antibiotic treatment of severe COVID-19 patients

Variable	All patients (n = 348)	Infected (n = 104)	Noninfected (n = 243)	*p* value
Tocilizumab	0	0	0	-
Baricitinib	7 (2.0)	1 (0.4)	6 (5.8)	0.001
Steroid	282 (81.0)	93 (89.4)	189 (77.5)	0.009
Dexamethasone	255 (73.3)	81 (77.9)	174 (71.3)	0.205
Dose of initial dexamethasone, mg	6 (6–6)	6 (6–6)	6 (6–6)	0.693
Methylprednisolone	20 (5.7)	9 (8.7)	11 (4.5)	0.128
Dose of initial methylprednisolone, mg	80.0 (40.0–125.0)	80.0 (62.5–156.3)	60.0 (32.5–125.0)	0.469
Corticosteroid	7 (2.0)	3 (2.9)	4 (1.6)	0.449
Dose of initial corticosteroid, mg	240 (100–300)	240 (200–240)	170 (55–285)	0.313
Duration of steroid usage, day	9.0 (6.0–13.0)	10.0 (7.0–18.0)	9.0 (6.0–12.0)	0.390
Antibiotics[a]	309 (88.8)	88 (84.6)	221 (90.6)	0.107
3rd Generation cephalosporine	136 (39.1)	34 (32.7)	102 (41.8)	0.111
Piperacillin/tazobactam	107 (30.7)	48 (46.2)	59 (24.2)	< 0.001
Cefepime	72 (20.7)	27 (26.0)	45 (18.4)	0.113
Carbapenem	111 (31.9)	61 (58.7)	50 (20.5)	< 0.001
Quinolone	113 (32.5)	39 (37.5)	74 (30.3)	0.191
Macrolide	97 (27.9)	24 (23.1)	73 (29.9)	0.193
Aminoglycoside	27 (7.8)	21 (20.2)	6 (2.5)	< 0.001
Vancomycin	36 (10.3)	23 (22.1)	13 (5.3)	< 0.001
Teicoplanin	72 (20.7)	39 (37.5)	33 (13.5)	< 0.001
Metronidazole	19 (5.5)	13 (12.5)	6 (2.5)	< 0.001
Colistin (colistimethate sodium, include nebulizer and intravenous injection)	35 (10.1)	30 (28.8)	5 (2.0)	< 0.001
Adequacy of antibiotic use[b]	103 (29.6)	61 (58.7)	42 (17.2)	< 0.001

Values are presented as number (%) or median (interquartile range).
COVID-19, coronavirus disease 2019.
[a]We collected the usage of antibiotic records throughout the patient's hospital stay.
[b]Adequacy of antibiotic use is defined as a case in which antibiotics are used appropriately for the identified pathogen, or antibiotics are not used in a group without an identified pathogen.

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