

Supplementary Table 1. Clinical characteristics of influenza, COVID-19, and community-acquired pneumonia (CAP) patients

	Influenza (n=70) (%)	COVID-19 (n=35) (%)	CAP (n=35) (%)	P-value
Age*	59.61 (18.54)	58.63 (15.94)	65.94 (12.31)	0.13
Gender				
Male	32 (45.71)	32 (91.42)	21 (60.0)	<0.001
Female	38 (54.28)	3 (8.57)	14 (40.0)	
Initial Level of Care				
Intensive care unit (ICU)	16/70 (22.8)	18/35 (51.42)	27/35(77.14)	0.001
High dependency unit (HDU)	54/70 (77.14)	17/35 (48.57)	8/35 (22.85)	
Length of Hospital Stay*	8.50 (6.37)	14.64 (7.00)	9.83 (6.47)	<0.001
Length of ICU/HDU*stay	4.26 (3.46)	10.27 (7.89)	4.62 (2.67)	<0.001
Intubated				
Yes	16 (22.85)	19 (54.28)	8 (22.85)	0.01
No	54 (77.14)	16 (45.71)	27 (77.14)	
Duration of Intubation*	5.86 (2.27)	10.19 (6.22)	4.50 (3.11)	0.11
Associated Diseases				
Diabetes mellitus	32 (45.71)	16 (45.71)	21 (60.0)	0.34
Hypertension	44 (62.85)	15 (42.85)	26 (74.28)	0.02
Ischemic heart disease	25 (35.71)	8 (22.85)	15 (42.85)	0.19
Chronic kidney disease	12 (17.14)	2 (5.71)	8 (22.85)	0.12
Chronic obstructive pulmonary disease	7 (10.0)	1 (2.85)	4 (11.42)	0.36
Asthma	10 (14.28)	3 (8.57)	1 (2.85)	0.17
Obstructive sleep apnea	3 (4.28)	0 (0)	2 (5.71)	0.92
History of Immunosuppressive Drugs				
Glucocorticoids	10 (14.28)	3 (8.57)	3 (8.57)	0.56
Immuno-suppressants	5 (7.14)	1 (2.85)	0 (0)	0.20
Presenting complaints				
Fever	48 (68.57)	29 (82.85)	29 (82.57)	0.14
Shortness of breath	53 (75.71)	28 (80.0)	30 (85.71)	0.48
Cough	56 (80.0)	25 (71.42)	26 (74.28)	0.58
Hemoptysis	3 (4.28)	0 (0)	2 (5.71)	0.84
Chest pain	8 (11.42)	1 (2.85)	5 (14.28)	0.24
Drowsiness	3 (4.28)	3 (8.57)	1 (2.85)	0.50
Gastrointestinal symptoms	6 (8.57)	4 (11.42)	8 (22.85)	0.11
Duration of symptoms*	6.87 (6.26)	7.74 (7.37)	6.94 (5.17)	0.47
GCS				
<10	4 (5.71)	7 (20.0)	3 (8.57)	0.12
10-14	6 (8.57)	4 (11.42)	2 (5.71)	
15	57 (81.42)	21 (60.0)	28 (80.0)	
APACHE II Score				
0 - 24	40 (57.14)	32 (91.42)	6 (17.14)	0.63
25 - 34	2 (2.85)	3 (8.57)	0 (0)	
> 34	0 (0)	0 (0)	0 (0)	
SOFA Score*	5.48 (4.68)	4.74 (2.68)	9.17 (3.76)	0.09
Complications				
Hospital-acquired pneumonia	5 (7.14)	8 (22.85)	3 (8.57)	0.04
Sepsis	11 (15.71)	6 (17.14)	5 (14.28)	0.94
Multisystem organ failure	4 (5.71)	3 (8.57)	0 (0)	0.24
Renal failure	20 (28.57)	6 (17.14)	20 (57.14)	0.001
ARDS	8 (11.42)	15 (42.85)	2 (5.71)	<0.001
Radiology Findings				
Infiltrates	32 (45.71)	18 (51.42)	8 (22.85)	0.03
Consolidation	13 (18.57)	18 (51.42)	14 (40.0)	0.002
Pleural effusion	12 (17.14)	4 (11.42)	6 (17.14)	0.72
Atelectasis	24 (34.28)	6 (17.14)	11 (31.42)	0.18
Fibrosis	7 (10.0)	0 (0)	4 (11.42)	0.13
Laterality of Radiology Findings				
Bilateral	46 (65.71)	32 (91.42)	25 (71.42)	0.02
Unilateral	15 (21.42)	1 (2.85)	8 (22.85)	

Supplementary Table 1. Continued

Hematocrit				
Low (<34.5)	22 (31.42)	5 (14.28)	13 (37.14)	0.25
Normal	43 (61.42)	26 (74.28)	20 (57.14)	
High (>45.4)	5 (7.14)	4 (11.42)	2 (5.71)	
WBC				
Leukopenia	6 (8.57)	0 (0)	1 (2.85)	0.40
Normal	26 (37.14)	14 (40.0)	15 (42.85)	
Leukocytosis	38 (54.28)	21 (60.0)	19 (54.28)	
Platelets				
Thrombocytopenia (<150)	11 (15.71)	7 (20.0)	10 (28.57)	0.17
Normal	57 (81.42)	26 (74.28)	21 (60.0)	
Thrombocytosis (>450)	2 (2.85)	2 (5.71)	4 (11.42)	
Serum Sodium				
Hyponatremia (<135)	41 (58.57)	14 (40.0)	19 (54.28)	0.82
Normal	25 (35.71)	18 (51.42)	14 (40.0)	
Hypernatremia (>145)	3 (4.28)	3 (8.57)	2 (5.71)	
Serum Creatinine				
Normal	32 (45.71)	17 (48.57)	8 (22.85)	0.06
High (>1.2)	38 (54.28)	18 (51.42)	26 (74.28)	
ABGs in ER (pH)				
Acidemia (<7.35)	14 (20.0)	4 (11.42)	10 (28.57)	0.46
Normal (7.35 - 7.45)	32 (45.71)	21 (60.0)	15 (42.85)	
Alkalemia (>7.45)	16 (22.85)	10 (28.57)	10 (28.57)	
PO₂*				
Hypoxic (<65)	22 (31.42)	13 (37.14)	9 (25.71)	0.34
PCO₂*				
Hypercapnic (>45)	9 (12.85)	4 (11.4)	6 (17.14)	0.49
Expired	8 (11.4)	11 (31.4)	6 (17.1)	0.03

GCS: Glasgow coma scale, ARDS: acute respiratory distress syndrome, WBC: white blood cells, CAP: community-acquired pneumonia

* Mean (SD) are reported instead of n (%)