

Table S1

Dependent Variable: Development of Respiratory Failure					
Independent Variable	Odds ratio (95% CI)	P value	Independent Variable	Odds ratio (95% CI)	P value
Age (years)	1.029 (1.01-1.04)	<0.001	Chest X-ray (affected quartiles=3)	2.96 (1.49-5.87)	0.002
Ethnicity (Central Asian)	0.32 (0.16-0.61)	0.001	Chest X-ray (affected quartiles=4)	5.59 (2.57-12.14)	<0.001
Ethnicity (Middle eastern)	0.24 (0.06-0.94)	0.04			
BMI (>30)	1.89 (1.07-3.33)	0.028	Cough	1.55 (1.02-2.33)	0.038
Arterial Hypertension	2.019 (1.29-3.16)	0.002	Fever	2.7 (1.53-4.76)	0.001
Diabetes mellitus	2.18 (1.27-3.74)	0.005	Confusion	9.58 (1.24-74.01)	0.03
CCI	1.21 (1.09-1.34)	<0.001	Abdominal Pain	0.3 (0.13-0.72)	0.007
Temperature (°C)	1.44 (1.13-1.83)	0.003	Sore throat/ Nasal Congestion	0.38 (0.17-0.86)	0.02
Respiratory Rate (breaths/min)	1.32 (1.23-1.42)	<0.001	NEWS2 (>5)	5.54 (3.05-10.08)	<0.001
Systolic Blood Pressure (mmHg)	1.02 (1-1.34)	0.001	Total Blood Lymphocytes (cells/ μ L)	0.999 (0.998-1)	<0.001
SatO₂ (%)	0.58 (0.51-0.66)	<0.001	Albumin (g/dL)	0.38 (0.23-0.63)	<0.001
PaO₂ (mmHg)	0.9 (0.88-0.92)	<0.001	AST (IU/L)	1.01 (1-1.02)	0.01
P/F ratio	0.977 (0.972-0.982)	<0.001			

Table S2

Dependent Variable: Intubation					
Independent Variable	Odds ratio (95% CI)	P value	Independent Variable	Odds ratio (95% CI)	P value
Age (years)	1.04 (1.02-1.07)	0.002	Chest X-ray (affected quartiles=3)	9.27 (1.13-76.15)	0.038
Coronary Artery Disease	5.75 (2.35-14.05)	<0.001	Chest X-ray (affected quartiles=4)	11.53 (1.42-93.64)	0.022
Arterial Hypertension	2.27 (1-5.13)	0.049	Confusion	9.72 (2.98-31.72)	<0.001
Diabetes mellitus	2.7 (1.17-6.27)	0.02	aPTT (sec)	1.03 (1.01-1.06)	0.003
CCI	1.44 (1.24-1.67)	<0.001	Urea (mg/dL)	1.014 (1-1.02)	0.005
Cerebrovascular disease	6.65 (2.16-20.5)	0.001	Creatinine (mg/dL)	1.29 (1.08-1.54)	0.005
Chronic Kidney Disease	4.61 (1.68-12.67)	0.003	Albumin (g/dL)	0.3 (0.13-0.67)	0.003
Atrial Fibrillation	3.58 (1.11-11.52)	0.032			

Table S3

Dependent Variable: Death					
Independent Variable	Odds ratio (95% CI)	P value	Independent Variable	Odds ratio (95% CI)	P value
Age (years)	1.1 (1.07-1.14)	<0.001	Confusion	9.16 (2.97-28.26)	<0.001
Days from symptom onset	0.79 (0.7-0.89)	<0.001	Lactate (mmol/L)	3.07 (1.66-5.69)	<0.001
Coronary Artery Disease	5.1 (2.27-11.47)	<0.001	Hgb (g/dL)	0.7 (0.59-0.84)	<0.001
Immuno-suppression	3.73 (1.38-10.1)	0.01	aPTT (sec)	1.04 (1.01-1.06)	0.002
Diabetes mellitus	2.57 (1.22-5.38)	0.013	D-dimers (μ g/ml)	1.21 (1.05-1.38)	0.006
Malignancy (active)	13.28 (4.6-38.37)	<0.001	Urea (mg/dL)	1.03 (1.02-1.04)	<0.001
Cerebrovascular disease	6.03 (2.1-17.3)	0.001	Creatinine (mg/dL)	1.34 (1.13-1.6)	0.001
Chronic Kidney Disease	7.26 (3.04-17.34)	<0.001	Albumin (g/dL)	0.14 (0.07-0.31)	<0.001
Atrial Fibrillation	7.15 (2.76-18.47)	<0.001	Corrected Ca²⁺	2.71 (1.5-4.9)	0.001
CCI	1.92 (1.61-2.3)	<0.001	ALT (IU/L)	0.97 (0.95-1)	0.039

Table S1: Univariate analysis-Association with development of respiratory failure.

Clinical characteristics and laboratory values obtained at presentation were independently evaluated for association with the development of respiratory failure. Calculated estimates are presented as odds ratio (OR), with 95% confidence intervals (CI). P values <0.05 were considered significant. For quantitative variables OR reflects changes per given unit. BMI: Body Mass Index, CCI: Charlson Comorbidity Index, SatO₂: Oxygen Saturation, PaO₂: Partial Arterial pressure of Oxygen, P/F ratio: PaO₂/FiO₂, NEWS2: National Early Weaning Score 2, AST: Aspartate Transaminase.

Table S2: Univariate analysis-Association with intubation. Clinical characteristics and laboratory values obtained at presentation were independently evaluated for association with intubation rate. Calculated estimates are presented as odds ratio (OR), with 95% confidence intervals (CI). P values <0.05 were considered significant. For quantitative variables OR reflects changes per given unit. CCI: Charlson Comorbidity Index, aPTT: activated partial thromboplastin time.

Table S3: Univariate analysis-Association with death. Clinical characteristics and laboratory values obtained at presentation were independently evaluated for association with mortality. Calculated estimates are presented as odds ratio (OR), with 95% confidence intervals (CI). P values <0.05 were considered significant. For quantitative variables OR reflects changes per given unit. CCI: Charlson Comorbidity Index, HgB: Hemoglobin, aPTT: activated partial thromboplastin time, ALT: Alanine Aminotransferase.