

Supplementary Table 1. Baseline demographics, symptoms, laboratory results and severity scores of patients with compliance data

	Total N= 67	High compliance N= 24	Low compliance N= 43	P value
Age, years	60 (52-68)	67 (59-71)	58 (51-64)	0.01
Male, n (%)	50 (74.6%)	19 (79.2%)	31 (72.1%)	0.52
Body mass index, kg/m ²	26.6 (23.3-31.4)	26.5 (22.1-29.7)	27.6 (23.5-32.3)	0.04
Race, n (%)				
Chinese	36 (53.7%)	16 (66.7%)	20 (46.5%)	0.11
Malay	11 (16.4%)	3 (12.5%)	8 (18.6%)	0.73
Indian	8 (11.9%)	2 (8.3%)	6 (14%)	0.70
Others	12 (17.9%)	3 (12.5%)	9 (20.9%)	0.52
Comorbidities				
Hypertension	40 (59.7%)	17 (70.8%)	23 (53.5%)	0.17
Diabetes mellitus	23 (34.3%)	9 (37.5%)	14 (32.6%)	0.79
Hyperlipidaemia	36 (53.7%)	13 (54.2%)	23 (53.5%)	0.96
Ischaemic heart disease	10 (14.9%)	4 (16.7%)	6 (14%)	0.74
Cerebrovascular accident	3 (4.5%)	0	3 (7%)	0.55
Heart failure	3 (4.5%)	0	3 (7%)	0.55
Cancer	5 (7.5%)	2 (8.3%)	3 (7%)	1.00
COPD*	2 (3%)	0	2 (4.7%)	0.53
Symptoms on admission to the hospital				
Fever	64 (95.5%)	22 (91.7%)	42 (97.7%)	0.29
Cough	47 (70.1%)	16 (66.7%)	31 (72.1%)	0.64
Breathlessness	28 (41.8%)	12 (50%)	16 (37.2%)	0.31
Myalgia	10 (14.9%)	3 (12.5%)	7 (16.3%)	1.00
Time between symptoms and admission				
Days	5 (3-6)	5 (3-6)	6 (2-7)	0.65
Time between symptoms and intubation				
Days	7 (6-10)	6 (5-12)	8 (6-10)	0.83
Time between admission and intubation				
Days	2 (1-4)	2 (1-4)	3 (1-5)	0.72
Laboratory results				
Neutrophils (x10 ⁹ /L)	5.7 (3.7-8.3)	5.3 (2.8-7.9)	6.2 (3.8-8.4)	0.28
Lymphocytes (x10 ⁹ /L)	0.77 (0.55-1.15)	0.73 (0.52-1.12)	0.77 (0.56-1.19)	0.56
Haemoglobin (mg/dL)	13.3 (12.2-14.4)	13.4 (12.1-14.7)	12.8 (12.2-14.2)	0.53
Platelets (x10 ⁹ /L)	206 (158-261)	215 (139-254)	206 (161-287)	0.72
C-reactive protein (mg/dL)	130 (79.2-178.6)	132.5 (90.3-224.3)	130 (72.6-171.5)	0.12
Procalcitonin (µg/L)	0.32 (0.13-0.679)	0.28 (0.12-0.86)	0.32 (0.19-0.57)	0.99
Creatinine (µmol/L)	82 (66-101)	81 (58-104)	82 (67-101)	0.63
LDH [†] (U/L)	696 (446-954)	644 (484-848)	722 (404-1007)	0.95
Albumin (g/L)	33 (30-36)	33 (30-36)	33 (30-36)	0.26
Alanine transaminase (U/L)	39 (24-62)	36 (18-56)	41 (27-85)	0.11

Association between lung compliance phenotypes and mortality in COVID-19 patients
with acute respiratory distress syndrome

Alkaline phosphatase (U/L)	71 (58-104)	64 (59-100)	84 (57-106)	0.64
Severity scores				
APACHE II [#]	14 (10-22)	17 (11-25)	13 (10-21)	0.31
SOFA [¶]	4 (3-8)	4 (3-8)	4 (2.5-8)	0.81

* Chronic Obstructive Pulmonary Disease

† Lactate dehydrogenase

Acute physiology and Chronic Health Evaluation II

¶ Sequential Organ Failure Score