

**Table 1: Differences in clinical profile of patients with or without pneumonia**

Parameter	Overall (n=554)	Pneumonia (n=57)	No Pneumonia (n=497)	p-value
Age (years)	37 ( $\pm 12$ )	49 ( $\pm 13$ )	36 ( $\pm 11$ )	<0.001
Gender (Male)	477 (86.9%)	41 (71.9%)	437 (88.6%)	<0.001
<i>Past Medical History</i>				
Hypertension	53 (12.3%)	15 (32.6%)	38 (9.8%)	<0.001
Hyperlipidaemia	34 (8.1%)	15 (33.3%)	19 (5.0%)	<0.001
Diabetes mellitus	21 (5.1%)	7 (16.3%)	14 (3.8%)	<0.001
Asthma	6 (1.5%)	2 (4.9%)	4 (1.1%)	0.055
No previous medical conditions	367 (90.4%)	24 (60.0%)	343 (93.7%)	<0.001
<i>Clinical profile</i>				
Asymptomatic illness	66 (11.9%)	4 (7.0%)	62 (12.5%)	0.228
Length of days with fever	1.2 ( $\pm 2.4$ )	3.1 ( $\pm 3.1$ )	1.0 ( $\pm 2.2$ )	<0.001
Admission temperature (degC)	37.7 ( $\pm 3.9$ )	37.7 ( $\pm 0.8$ )	37.7 ( $\pm 4.1$ )	0.992
Systolic blood pressure (mmHg)	130 ( $\pm 17$ )	131 ( $\pm 17$ )	130 ( $\pm 17$ )	0.641
Diastolic blood pressure (mmHg)	81 ( $\pm 12$ )	77 ( $\pm 13$ )	82 ( $\pm 12$ )	0.012
Oxygen saturation (%)	98 ( $\pm 3$ )	96 ( $\pm 7$ )	98 ( $\pm 1$ )	<0.001
Pulse rate (per min)	94 ( $\pm 19$ )	94 ( $\pm 12$ )	94 ( $\pm 19$ )	0.863
Respiratory rate (per min)	19 ( $\pm 7$ )	19 ( $\pm 2$ )	19 ( $\pm 6$ )	0.774
<i>Laboratory Investigations</i>				
Total White Cell Count	6.5 ( $\pm 2.2$ )	6.5 ( $\pm 2.9$ )	6.5 ( $\pm 2.1$ )	0.975
Absolute neutrophil count	4.2 ( $\pm 7.9$ )	4.5 ( $\pm 2.7$ )	4.2 ( $\pm 8.3$ )	0.545
Neutrophil percentage	56.3 ( $\pm 12.9$ )	66.5 ( $\pm 11.6$ )	55.2 ( $\pm 12.6$ )	<0.001
Absolute lymphocyte count	1.9 ( $\pm 2.0$ )	1.5 ( $\pm 1.1$ )	1.9 ( $\pm 2.1$ )	0.011
Lymphocyte percentage	28.2 ( $\pm 11.1$ )	22.7 ( $\pm 10.1$ )	28.9 ( $\pm 11.1$ )	<0.001
Absolute eosinophil count	0.61 ( $\pm 1.7$ )	0.2 ( $\pm 0.9$ )	0.7 ( $\pm 1.8$ )	0.002
Eosinophil percentage	2.4 ( $\pm 3.3$ )	1.0 ( $\pm 1.4$ )	2.5 ( $\pm 3.4$ )	0.001
Absolute monocyte count	0.9 ( $\pm 1.3$ )	0.6 ( $\pm 0.3$ )	0.9 ( $\pm 1.4$ )	<0.001
Monocyte percentage	11.9 ( $\pm 5.6$ )	9.4 ( $\pm 3.8$ )	12.2 ( $\pm 5.7$ )	<0.001
Absolute basophil count	0.04 ( $\pm 0.09$ )	0.02 ( $\pm 0.02$ )	0.04 ( $\pm 0.09$ )	0.082
Basophil percentage	0.6 ( $\pm 1.3$ )	0.3 ( $\pm 0.2$ )	0.6 ( $\pm 1.3$ )	<0.001
Haemoglobin (g/dL)	14.9 ( $\pm 1.6$ )	14.1 ( $\pm 1.8$ )	15.0 ( $\pm 1.6$ )	0.002
MCV (fL)	84.9 ( $\pm 5.8$ )	86.0 ( $\pm 4.7$ )	84.7 ( $\pm 5.9$ )	0.108
Haematocrit	45.5 ( $\pm 23.5$ )	41.7 ( $\pm 5.3$ )	46.0 ( $\pm 24.7$ )	0.202
Platelets	228 ( $\pm 61$ )	210 ( $\pm 56$ )	230 ( $\pm 61$ )	0.020
Neutrophil/Lymphocyte Ratio	3.2 ( $\pm 7.0$ )	4.3 ( $\pm 4.3$ )	3.0 ( $\pm 7.2$ )	0.194
Lymphocyte/Monocyte Ratio	3.1 ( $\pm 4.1$ )	2.9 ( $\pm 1.9$ )	3.1 ( $\pm 4.3$ )	0.690
Platelet/Lymphocyte Ratio	163.8 ( $\pm 318.4$ )	186.4 ( $\pm 95.9$ )	161.2 ( $\pm 334.5$ )	0.576
Eosinophil/Lymphocyte Ratio	0.37 ( $\pm 1.12$ )	0.16 ( $\pm 0.80$ )	0.39 ( $\pm 1.15$ )	0.138

Creatinine (mmol/L)	79 (±30)	88 (±78)	78 (±18)	0.019
LDH	436 (±423)	644 (±77)	414 (±360)	<0.001
C-reactive protein	14 (±27)	40 (±43)	11 (±23)	<0.001
Ferritin	179 (±216)	353 (±385)	164 (±187)	<0.001
<i>Treatment</i>				
Lopinavir/Ritonavir	37 (6.6%)	15 (26.3%)	22 (4.4%)	<0.001
Remdesivir	18 (3.2%)	10 (17.5%)	8 (1.6%)	<0.001
Hydroxychloroquine	3 (0.5%)	3 (5.3%)	0 (0.0%)	<0.001
<i>Clinical Progress and Outcomes</i>				
Length of hospital stay (days)	10.2 (±13.3)	10.6 (±7.7)	15.1 (±18.2)	<0.001
Requiring oxygen	16 (2.9%)	8 (14.0%)	8 (1.6%)	<0.001
Persistent fever >72h	40 (7.3%)	16 (29.1%)	24 (4.8%)	<0.001
Required intensive care monitoring	19 (3.4%)	13 (23.2%)	6 (1.2%)	<0.001
Required mechanical ventilation	16 (2.9%)	11 (19.3%)	5 (1.0%)	<0.001
Myocarditis/myocardial injury	3 (0.7%)	3 (7.3%)	0 (0.0%)	<0.001
Death	2 (0.5%)	2 (3.5%)	0 (0.0%)	<0.001

**Table 2: Characteristics of patients with Eosinophilia**

Parameter	Eosinophilia (n=68)	No Eosinophilia (n=486)	p-value
Age (years)	33.2 ( $\pm$ 9.4)	37.4 ( $\pm$ 11.9)	0.006
Male gender	62 (91.2%)	416 (86.3%)	0.265
Ethnicity			0.015
Chinese	6 (8.8%)	85 (17.5%)	
Malay	2 (2.9%)	32 (6.6%)	
Indian	36 (52.9%)	163 (33.5%)	
Bangladeshi	20 (29.4%)	155 (31.9%)	
Others	4 (5.9%)	51 (10.4%)	
Exposure history			0.006
Overseas exposure	3 (4.4%)	26 (5.3%)	
Local transmission	3 (4.4%)	97 (20.0%)	
Dormitory cases	62 (91.2%)	363 (74.7%)	
Hypertension	5 (8.8%)	48 (12.8%)	0.388
Hyperlipidaemia	2 (3.6%)	32 (8.7%)	0.185
Diabetes mellitus	1 (1.8%)	20 (5.6%)	0.334
Temperature (degC)	37.5 ( $\pm$ 0.6)	37.7 ( $\pm$ 4.1)	0.740
Number of days of fever	0.8 ( $\pm$ 1.0)	1.3 ( $\pm$ 2.5)	0.119
Day of illness at presentation	3.0 ( $\pm$ 3.8)	3.6 ( $\pm$ 5.2)	0.446
<i>Laboratory findings</i>			
AST	40.5 ( $\pm$ 42.7)	37.7 ( $\pm$ 49.6)	0.674
ALT	44.6 ( $\pm$ 31.0)	45.9 ( $\pm$ 45.6)	0.826
Lymphocyte count ( $\times 10^9$ /L)	1.99 ( $\pm$ 0.70)	1.89 ( $\pm$ 2.14)	0.696
Eosinophil count ( $\times 10^9$ /L)	4.06 ( $\pm$ 3.09)	0.12 ( $\pm$ 0.12)	<0.001
Eosinophil/Lymphocyte Ratio	2.48 ( $\pm$ 2.25)	0.07 ( $\pm$ 0.08)	<0.001
Ferritin	152.9 ( $\pm$ 179.5)	182.6 ( $\pm$ 220.3)	0.307
LDH	412.3 ( $\pm$ 176.2)	439.4 ( $\pm$ 446.0)	0.641
C-reactive protein	10.0 ( $\pm$ 17.7)	14.5 ( $\pm$ 28.3)	0.214
Medications			
Hydroxychloroquine	0 (0.0%)	3 (0.8%)	0.493
Lopinavir/Ritonavir	2 (3.6%)	35 (9.4%)	0.146
Remdesivir	0 (0.0%)	18 (5.0%)	0.148
<i>Outcomes</i>			
Pneumonia	1 (1.5%)	56 (11.5%)	0.005
Acute kidney injury	2 (2.9%)	43 (8.8%)	0.150
Requiring oxygen	0 (0.0%)	16 (3.3%)	0.240
Required intensive care	0 (0.0%)	19 (3.9%)	0.150

Required mechanical ventilation	0 (0.0%)	16 (3.3%)	0.240
Persistent fever >72h	4 (5.9%)	36 (7.5%)	0.805
Myocarditis/myocardial injury	0 (0.0%)	3 (0.8%)	0.493
Death	0 (0.0%)	2 (0.6%)	0.576
Length of hospital stay (days)	9.1 (±11.7)	10.8 (±13.2)	0.332