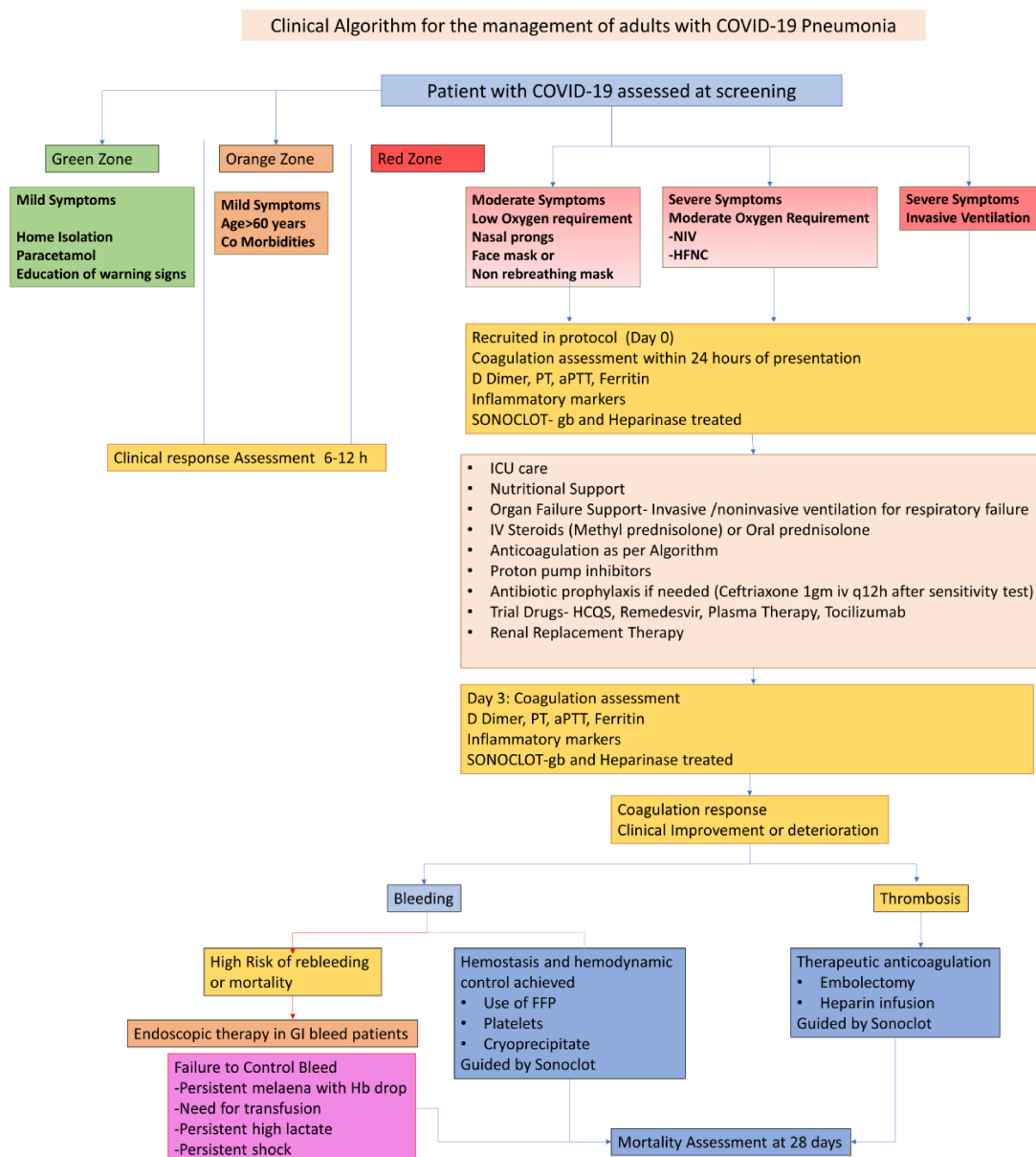
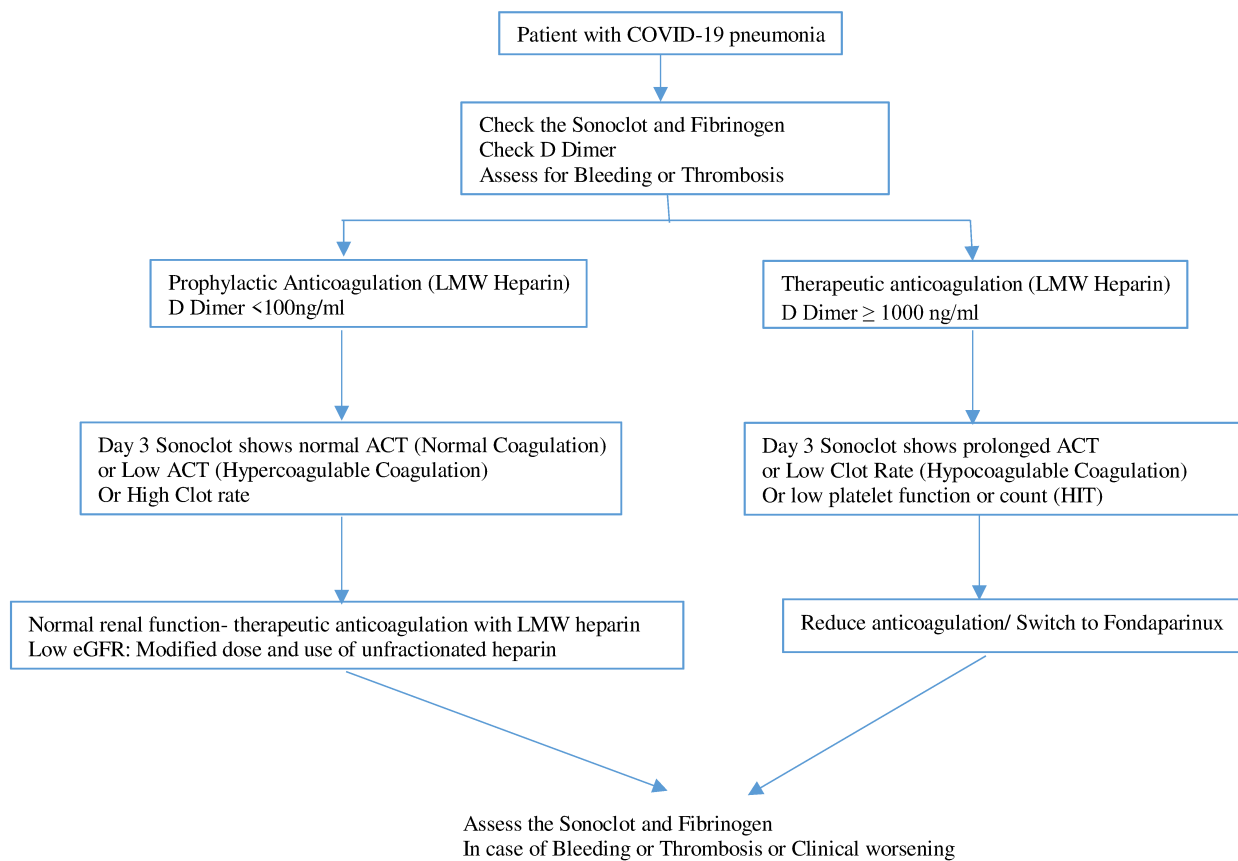


## Supplementary File 1: Hospital Triage Areas for COVID-19 and clinical algorithm for management of COVID-19 pneumonia



**Supplementary File 2: Anticoagulation protocol at our centre based on conventional and POC global coagulation tests.**



**Supplementary File 3: Baseline characteristics, co-morbidities, and treatment details of the admitted patients with COVID-19.**

Parameter	Total Patients (N=74)	Low flow Oxygen Group 1 (n=11)	High flow Oxygen Group 2 (n=34)	Invasive Ventilation Group 3 (n=29)	P value 1 vs. 2	P value 1 vs 3
<b>Comorbidities</b>						
Hypothyroidism	13(17.6)	0	7(20.6)	6(20.7)	0.101	0.102
COPD	1(1.4)	0	0	1(3.4)	-	0.725
Asthma	1(1.4)	0	0	1(3.4)	-	0.725
Obesity	27(36.48)	2(18.2)	5(14.7)	10(34.5)	0.555	0.315
<b>Treatment given in each group</b>						
Tocilizumab	32(43)	5(15.6)	17(53.1)	10(31.2)	0.534	0.522
Remdesivir	23(31)	3(27.3)	7(20.6)	13(44.8)	0.465	0.312
HCQS	16(22)	3(27.3)	11(33.3)	2(6.9)	0.709	0.117
Antibiotics	72(97)	10(90.9)	33(97.1)	29(100)	0.390	0.100
Antifungals	27(36)	0	12(35.3)	15(51.7)	0.021	0.003

Immuvac (mycobacterium indicus pranii)	31(42)	6(54.5)	19(55.9)	6(20.6)	0.938	0.866
Plasma therapy	2(3)	0	1(3)	1(3)	-	
Steroid duration(days)	6(0-7)	4(3-5)	1(0-5.75)	5(0-7)	0.059	0.873

Abbreviations: COPD, chronic obstructive pulmonary disease; HCQS, hydroxychloroquine

#### Supplementary File 4: Predictors of Mortality using Cox Proportional Hazards Analysis

Univariate Analysis			Multivariate Analysis	
Covariate	HR (95% CI)	P value	HR (95% CI)	P value
CRP	1.007 (1.005- 1.016)	0.003	1.040 (1.020-1.090)	0.014
PF	0.540 (0.291-0.901)	0.429	0.901 (0.702-1.100)	0.045
HLE	1.020 (1.007-1.034)	0.002	1.010 (1.006-1.030)	0.025
PF Ratio	0.989 (0.979- 0.999)	0.038		
Ferritin	1.001 (1.000- 1.010)	0.037		
NLR	1.027 (1.007- 1.047)	0.009		
D-Dimer	1.000 (1.000- 1.000)	0.027		
LDH	1.003 (1.000- 1.000)	0.021		
Bilirubin	1.147 (1.010- 1.303)	0.035		
ACT	1.012(1.004- 1.020)	0.005		
d1hACT	1.033 (1.013- 1.054)	0.001		
d1hCR	0.956 (0.908- 1.006)	0.081		
d1h Peak amplitude	0.960 (0.920- 1.002)	0.062		
D1gbACT	1.022 (1.011- 1.033)	0.000		
D1gb Peak-Amplitude	0.948 (0.898-1.000)	0.051		

Abbreviations: ACT, activated clotting time; CRP, C Reactive Protein; CR, clot rate; LDH, lactate dehydrogenase; PF, platelet function; HLE, heparin like effect; NLR, neutrophil lymphocyte ratio; hACT,

heparinase treated; hCR, heparinase treated CR; hPF, heparinase treated platelet function; PF Ratio, PaO<sub>2</sub>/ FiO<sub>2</sub> ratio;

### Supplementary File 5: Predictors for mortality in COVID 19 patients based on Receiver Operating Characteristics (ROC) analysis

Parameter	Cut off value	AUC	Sensitivity	Specificity	P value
CRP	96.7 mg/l	0.767	87.5	69	0.001
Ferritin	587 ng/ml	0.690	75	61	0.021
LDH	405 U/L	0.700	75	70	0.015
CR	27.5 units/min	0.761	66.7	87	0.012
ACT	131 seconds	0.744	60	80	0.021
D1hPeak-amp	72.5 units	0.736	81.8	65	0.029
D1gbACT	158 seconds	0.893	91.7	79	0.001
D1gbCR	27 units/min	0.730	63.7	79	0.027
gbPA	67.5 units	0.746	72.7	73	0.023

*Abbreviations: CRP, C Reactive Protein; ACT – Activated Clotting Time, CR – Clot Rate, PF – Platelet Function; PA, peak amplitude; LDH, lactate dehydrogenase.*