

Supplementary table

Supplementary table 1. Classification of office blood pressure and definitions of hypertension grades according to the 2018 guidelines of the European Society of Hypertension.

Category	Systolic(mmHg)		Diastolic(mmHg)
Optimal	<120	and	<80
Normal	120-129	and/or	80-84
High normal	130-139	and/or	85-89
Grade 1 hypertension	140-159	and/or	90-99
Grade 2 hypertension	160-179	and/or	100-109
Grade 3 hypertension	≥ 180	and/or	≥ 110
Isolated systolic hypertension	≥ 140	and	<90

Supplementary table 2.Reference range of laboratory findings.

	Reference range
White blood cell count, $\times 10^9/L$	3.5–9.5
Neutrophil count, $\times 10^9/L$	1.8–6.3
Monocyte count, $\times 10^9/L$	0.1–0.6
Lymphocyte count, $\times 10^9/L$	1.1–3.2
Hemoglobin, g/L	130–175
Platelet count, $\times 10^9/L$	125–350
Eosinophil count, $\times 10^9/L$	0.02–0.52
Basophils count, $\times 10^9/L$	0–0.06
C-reactive protein, mg/L	0–4
IL-6, pg/mL	< 7
PCT, ng/mL	0–0.05
ALT, IU/L	9–50
AST, IU/L	9–60
Albumin, g/L	40–55
Total bilirubin, $\mu\text{mol/L}$	0–26
γ -glutamyl transferase, IU/L	10–60
ALP, IU/L	45–125
Creatine kinase, IU/L	50–310
LDH, IU/L	120–250
CK-MB, IU/L	0–24
Myoglobin, ng/mL	0–80
Hypersensitive troponin I, ng/mL	0–0.04

BNP, pg/mL	0–100
Creatinine, $\mu\text{mol/L}$	57–111
Urea nitrogen, mmol/L	3.6–9.5
UA, $\mu\text{mol/L}$	202–416
D-dimer mg/L	0–0.55
PT, s	9.2–15
Na ⁺	137–147
Cl ⁻	99–110
K ⁺	3.5–5.3
Ca ²⁺	2.11–2.52

Supplementary table 3. Univariate logistic regression analysis of more severe patients with COVID-19 and hypertension

	Univariate OR (CI 95%)	p value
Diabetes	1.778(0.773-4.089)	0.176
Coronary heart disease	1.406(0.570-3.471)	0.46
Cerebrovascular disease	2.605(0.857-7.924)	0.092
Percentage of PLV,%	1.093(1.049-1.138)	<0.001
ARB or ACEI	0.299(0.097-0.923)	0.036
Age, years	1.061(1.018-1.105)	0.005
White blood cell count, $\times 10^9/\text{L}$	1.374(1.179-1.602)	<0.001
Neutrophil count, $\times 10^9/\text{L}$	1.632(1.343-1.984)	<0.001
Monocyte count, $\times 10^9/\text{L}$	0.634(0.223-1.803)	0.393
Lymphocyte count, $\times 10^9/\text{L}$	0.1(0.038-0.259)	<0.001
Haemoglobin, g/L	1.004(0.991-1.017)	0.544
Platelet count, $\times 10^9/\text{L}$	0.995(0.991-0.999)	0.01
Eosinophil count, $\times 10^9/\text{L}$	0(0-0.006)	0.001
Basophils count, $10^9/\text{L}$	0(0-7.328)	0.067
C-reactive protein, mg/L	1.019(1.010-1.027)	<0.001
PCT, ng/ml	1.391 (1.071-1.806)	0.013
ALT, IU/L	1.004(0.992-1.015)	0.512
AST, IU/L	1.018(1.000-1.036)	0.047
Albumin,g/L	0.759(0.679-0.848)	<0.001
Total bilirubin, $\mu\text{mol/L}$	1.051(0.985-1.120)	0.131
γ -glutamyltransferase,IU/L	1.005(0.998-1.012)	0.15
ALP, IU/L	1.009(0.995-1.024)	0.19
Creatine kinase, IU/L	1.004(1.000-1.008)	0.084

LDH,IU/L	1.016(1.010-1.022)	<0.001
CK-MB,IU/L	1.141(1.052-1.237)	0.001
Myoglobin, ng/ml	1.010(1.000-1.021)	0.05
Hypersensitive troponin I, ng/ml	0.809(0.368-1.781)	0.599
BNP, pg/ml	1(0.999-1.001)	0.754
Creatinine, umol/L	0.999(0.994-1.0030)	0.58
Urea nitrogen, mmol/L	1.007 (0.969-1.046)	0.737
UA(uric acid), umol/L	0.998(0.994-1.001)	0.194
D-dimer mg/L	1.15 (1.024-1.292)	0.018
PT , s	1.507 (1.177-1.929)	0.001
Electrolyte, mmol/L		
Na	1.012 (0.975-1.050)	0.529
K	1.337 (0.820-2.181)	0.244
Cl	0.996 (0.974-1.018)	0.691
Ca	0.042 (0.002-0.704)	0.028