

Table S1 P values for parameters used in this study during on-, 1st, 2nd and 7th day

Parameters	Non-survivor (N=44)	Survivor (N=32)	Total (N=76)	P
Age (years)	66.5±18.1	66.0±16.2	66.2±17.2	0.904
Sex				0.355
Male	32 (72.7)	27 (84.4)	59 (77.6)	
Female	12 (27.3)	5 (15.6)	17 (22.4)	
Hospital days	31.1±34.5	31.2±26.1	31.2±31.1	0.991
Cause for DIC				0.950
Sepsis	10 (22.7)	8 (25.0)	18 (23.7)	
Trauma	10 (22.7)	6 (18.8)	16 (21.1)	
Respiratory failure	10 (22.7)	8 (25.0)	18 (23.7)	
Surgery/rhabdomyolysis	9 (20.5)	5 (15.6)	14 (18.4)	
Others	5 (11.4)	5 (15.6)	10 (13.2)	
Underlying disease				0.383
Arterial hypertension	13 (29.5)	4 (12.5)	17 (22.4)	
Diabetes	8 (18.2)	9 (28.1)	17 (22.4)	
COPD	9 (20.5)	9 (28.1)	18 (23.7)	
Cardiac comorbidities	4 (9.1)	5 (15.6)	9 (18.4)	
Dyslipidemia	5 (11.4)	5 (15.6)	10 (11.3)	
SOFA	7.3±2.5	6.6±2.0	7.0±2.3	0.224
SAPS II	46.0±8.8	43.5±9.2	44.9±9.0	0.234
Transfusion	11 (14.5)	5 (6.6)	16 (21.1)	0.399
Major bleeding	1 (1.3)	2 (3.6)	3 (3.9)	0.569
On day				
D-dimer (ng/mL)	8346.0±14478.4	6256.3±7517.1	7466.1±12025.8	0.416
Thrombin time (sec)	34.9±59.8	21.7±9.2	29.4±46.2	0.157
Antithrombin III (%)	50.1±13.6	57.6±12.5	53.2±13.6	0.016*
FDP (microgram/mL)	109.2±111.2	108.8±103.6	109.0±107.4	0.987
PT (sec)	16.1±4.1	15.1±3.4	15.7±3.8	0.273
aPTT (sec)	47.3±18.5	52.0±68.2	49.3±46.1	0.706
INR	1.52±0.4	1.44±0.3	1.50±0.3	0.340
Fibrinogen (mg/dL)	374.7±243.9	410.0±176.7	389.6±217.5	0.489
Na (mmol/L)	139.0±7.0	138.6±6.0	138.9±6.6	0.797
K (mmol/L)	3.7±0.5	3.9±0.8	3.8±0.7	0.379
Cl (mmol/L)	103.9±7.8	96.6±25.4	100.9±17.7	0.125
pH (ABGA)	7.34±0.2	7.45±0.2	7.42±0.2	0.262
pO ₂ (ABGA) (mmHg)	108.3±61.4	108.9±70.4	108.5±64.9	0.966
pCO ₂ (ABGA) (mmHg)	47.0±16.9	42.1±13.4	44.9±15.6	0.177
cHCO ₃ (ABGA) (mmol/L)	23.9±6.5	24.8±6.9	24.3±6.6	0.565
Base excess (ABGA) (mmol/L)	-0.7±7.0	0.4±7.5	-0.2±7.2	0.509
SpO ₂ (ABGA) (%)	93.1±9.8	93.9±8.7	93.4±9.3	0.709
Glucose (mg/dL)	132.5±46.1	145.4±43.7	137.9±45.3	0.221
iCa (mg/dL)	1.9±1.5	1.6±1.3	1.8±1.4	0.326
Lactate (mmol/L)	2.4±3.1	2.4±3.0	2.4±3.1	0.973
WBC (×10 ³ /uL)	13.9±7.8	17.4±32.2	15.4±21.6	0.556
RBC (×10 ⁶ /uL)	3.2±0.8	3.3±0.6	3.3±0.7	0.480
Hemoglobin (g/dL)	9.9±2.4	10.6±1.9	10.2±2.2	0.140
Hematocrit (%)	29.3±6.9	31.1±5.6	30.1±6.4	0.239
Platelet (×10 ³ /uL)	125.2±87.4	123.8±80.5	124.6±84.0	0.946
Neutrophil (%)	84.9±14.6	85.7±11.1	85.2±13.2	0.794
Lymphocyte (%)	8.9±13.3	7.5±8.2	8.4±11.4	0.573
Monocyte (%)	5.6±3.5	5.8±3.9	5.7±3.6	0.765
Eosinophil (%)	0.4±1.0	0.6±1.6	0.5±1.3	0.565
Basophil (%)	0.2±0.2	0.3±0.5	0.2±0.4	0.135
AST(GOT) (IU/L)	162.4±471.4	543.9±1401.5	323.0±987.5	0.147
ALT(GPT) (IU/L)	96.4±257.9	239.6±591.8	156.7±433.5	0.207
Total bilirubin (mg/dL)	2.3±2.9	1.8±1.0	2.1±2.3	0.313
Direct bilirubin (mg/dL)	0.8±1.5	0.6±0.3	0.7±1.2	0.279
Total protein (g/dL)	5.4±1.0	5.4±1.0	5.4±1.0	0.955
Albumin (g/dL)	3.0±0.7	3.2±0.7	3.1±0.7	0.194
BUN (mg/dL)	30.1±17.0	28.0±16.1	29.2±16.6	0.603
Creatinine (mg/dL)	1.1±0.6	1.1±0.6	1.1±0.6	0.698
Phosphate (mg/dL)	3.7±1.9	3.3±2.0	3.6±1.9	0.347
Amylase (U/L)	140.6±124.7	139.9±151.8	140.3±135.8	0.982
CRP (mg/dL)	10.9±7.9	10.7±6.8	10.8±7.4	0.906
Procalcitonin (ng/mL)	14.7±36.6	11.1±26.8	13.1±32.6	0.639
Presepsin (pg/mL)	927.3±604.8	802.2±158.2	874.6±473.2	0.196
Troponin-I (ng/mL)	0.6±1.2	0.6±1.2	0.6±1.2	0.811
Myoglobin (ng/mL)	856.9±1472.9	1770.4±2934.7	1241.6±2238.2	0.113
CK-MB (ng/mL)	9.0±16.2	8.8±12.9	8.9±14.8	0.952
1 st day				
D-dimer (ng/mL)	8814.5±12669.4	8528.4±7775.7	8694.0±10818.4	0.904
Thrombin time (sec)	22.4±13.9	20.8±6.8	21.8±11.4	0.506
Antithrombin III (%)	87.2±27.3	93.0±31.5	89.7±29.1	0.401
FDP (microgram/mL)	82.7±88.3	88.1±54.7	85.0±75.6	0.748
PT (sec)	15.9±6.0	15.6±5.6	15.8±5.8	0.803
aPTT (sec)	48.1±32.9	36.0±13.5	43.0±27.1	0.032*
INR	1.58±0.5	1.05±0.5	1.54±0.5	0.953
Fibrinogen (mg/dL)	415.4±275.4	477.9±250.3	441.7±265.2	0.314
Na (mmol/L)	3.6±0.6	3.9±1.0	3.7±0.8	0.123
K (mmol/L)	3.6±0.6	3.9±1.0	3.7±0.8	0.123
Cl (mmol/L)	103.9±8.0	103.7±5.5	103.8±7.0	0.870
pH (ABGA)	7.31±0.2	7.42±0.1	7.40±0.2	0.541
pO ₂ (ABGA) (mmHg)	94.5±49.6	102.2±51.2	97.8±50.1	0.514
pCO ₂ (ABGA) (mmHg)	48.1±18.1	45.7±16.1	47.1±17.2	0.555
cHCO ₃ (ABGA) (mmol/L)	23.9±6.5	24.8±6.9	24.3±6.6	0.565
Base excess (ABGA) (mmol/L)	-0.7±8.7	0.6±7.3	-0.2±8.1	0.493
SpO ₂ (ABGA) (%)	92.9±7.5	93.5±10.7	93.1±8.9	0.792
Glucose (mg/dL)	158.1±63.9	156.8±63.9	157.5±63.5	0.930
iCa (mg/dL)	2.1±1.4	2.2±1.6	2.1±1.5	0.681
Lactate (mmol/L)	3.0±.9	2.4±2.7	2.7±3.4	0.370
WBC (×10 ³ /uL)	12.2±7.0	12.8±6.1	12.5 ±6.6	0.704
RBC (×10 ⁶ /uL)	3.3±0.6	3.4±0.7	3.3±0.6	0.399
Hemoglobin (g/dL)	10.2±1.8	0.8±2.2	10.4±2.0	0.202
Hematocrit (%)	29.8±4.7	31.5±6.6	30.5±5.6	0.232
Platelet (×10 ³ /uL)	125.1±104.3	121.0±98.0	123.4±101.1	0.864
Neutrophil (%)	85.1±14.8	87.8±7.8	86.3±12.4	0.309
Lymphocyte (%)	9.5±15.2	6.8±6.8	8.4±12.4	0.290
Monocyte (%)	4.9±3.1	4.7±2.9	4.8±3.0	0.752
Eosinophil (%)	0.5±1.1	0.4±0.8	0.4±.0	0.786
Basophil (%)	0.3±0.6	0.3±0.4	0.3±0.5	0.664
AST(GOT) (IU/L)	333.5±944.4	686.0±1873.2	481.9±1411.5	0.334
ALT(GPT) (IU/L)	195.9±652.8	299.4±772.4	239.5±702.6	0.530
Total bilirubin (mg/dL)	2.4±2.7	2.0±1.2	2.2±2.2	0.415
Direct bilirubin (mg/dL)	1.3±2.1	1.0±0.3	1.2±1.6	0.259
Total protein (g/dL)	5.7±0.9	5.8±0.9	5.7±0.9	0.518
Albumin (g/dL)	3.2±0.6	3.5±0.6	3.3±0.6	0.053
BUN (mg/dL)	32.5±20.7	30.1±16.8	31.5±19.1	0.600
Creatinine (mg/dL)	1.1±0.5	1.0±0.6	1.1±0.6	0.558
Phosphate (mg/dL)	3.4±2.0	3.1±2.8	3.3±2.3	0.597
Amylase (U/L)	242.2±488.7	183.1±380.8	217.3±444.7	0.570
CRP (mg/dL)	10.9±6.8	11.5±6.1	11.1±6.5	0.692
Procalcitonin (ng/mL)	12.7±27.3	6.1±10.6	9.9±21.9	0.153
Presepsin (pg/mL)	1697.9±804.3	1493.4±554.1	1611.8±712.8	0.194
Troponin-I (ng/mL)	1.4±4.2	0.7±0.9	1.1±3.2	0.313
Myoglobin (ng/mL)	1452.9±4309.6	1340.7±2866.2	1405.7±3747.9	0.892
CK-MB (ng/mL)	14.9±43.3	7.1±8.0	11.6±33.4	0.245

Table S1 (continued)

Table S1 (continued)

Parameters	Non-survivor (N=44)	Survivor (N=32)	Total (N=76)	P
2 nd day				
D-dimer (ng/mL)	11909.0±15900.1	13621.6±14762.2	12639.7±15346.2	0.636
Thrombin time (sec)	26.7±42.9	30.5±51.0	28.3±46.2	0.728
Antithrombin III (%)	105.5±24.5	114.2±19.3	109.2±22.7	0.100
FDP (microgram/mL)	35.5±50.3	44.8±26.5	39.4±42.0	0.305
PT (sec)	16.3±8.4	14.2±2.7	15.4±6.7	0.116
aPTT (sec)	40.9±13.3	37.3±14.6	39.4±13.9	0.271
INR	1.88±2.2	1.32±0.2	1.61±1.7	0.163
Fibrinogen (mg/dL)	429.7±225.5	409.3±231.1	421.1±226.6	0.701
Na (mmol/L)	140.6±8.1	141.5±7.3	141.0±7.7	0.620
K (mmol/L)	3.7±0.6	3.9±0.9	3.8±0.8	0.347
Cl (mmol/L)	102.8±8.8	105.0±7.5	103.7±8.3	0.249
pH (ABGA)	7.31±0.2	7.44±0.2	7.38±0.2	0.162
pO ₂ (ABGA) (mmHg)	110.8±42.5	102.5±38.3	107.3±40.8	0.384
pCO ₂ (ABGA) (mmHg)	40.7±11.7	43.1±13.2	41.7±12.3	0.418
cHCO ₃ (ABGA) (mmol/L)	25.7±8.1	26.1±7.5	25.9±7.8	0.836
Base excess (ABGA) (mmol/L)	1.4±8.2	1.9±7.3	1.6±7.8	0.747
SpO ₂ (ABGA) (%)	93.7±9.6	95.2±6.7	94.3±8.5	0.397
Glucose (mg/dL)	149.9±44.8	158.6±56.2	153.6±49.7	0.454
iCa (mg/dL)	2.2±1.3	2.1±1.5	2.2±1.4	0.831
Lactate (mmol/L)	2.0±2.2	2.0±1.4	2.0±1.9	0.951
WBC (×10 ³ /uL)	13.1±7.8	18.2±28.5	15.3±19.4	0.329
RBC (×10 ⁶ /uL)	3.1±0.5	3.3±0.7	3.2±0.6	0.205
Hemoglobin (g/dL)	9.9±1.9	11.0±2.0	10.3±2.0	0.017*
Hematocrit (%)	29.5±5.4	32.2±6.2	30.6±5.9	0.046
Platelet (×10 ³ /uL)	120.2±85.5	122.7±78.6	121.2±82.1	0.899
Neutrophil (%)	84.3±16.4	87.8±5.9	85.8±13.1	0.193
Lymphocyte (%)	9.3±13.9	5.4±3.1	7.7±10.9	0.080
Monocyte (%)	5.0±3.8	5.4±4.0	5.2±3.9	0.700
Eosinophil (%)	1.1±2.3	0.7 ±1.1	0.9±1.9	0.352
Basophil (%)	0.2±0.2	0.3±0.4	0.3±0.3	0.328
AST(GOT) (IU/L)	214.8±757.7	202.0±502.3	209.4±658.4	0.930
ALT(GPT) (IU/L)	76.9±123.3	154.8±373.8	109.7±260.7	0.264
Total bilirubin (mg/dL)	2.6±2.8	2.5±1.6	2.6±2.4	0.844
Direct bilirubin (mg/dL)	0.9±1.6	0.6±0.4	0.8±1.3	0.334
Total protein (g/dL)	5.6±0.9	5.9±1.0	5.7±1.0	0.099
Albumin (g/dL)	3.3±0.7	3.6±0.7	3.4±0.7	0.119
BUN (mg/dL)	38.1±22.0	32.3±16.4	35.6±19.9	0.211
Creatinine (mg/dL)	1.2±0.6	1.0±0.5	1.1±0.6	0.093
Phosphate (mg/dL)	2.4±1.2	1.8±1.2	2.1±1.2	0.057
Amylase (U/L)	139.2±217.1	131.1±198.0	135.8±207.9	0.869
CRP (mg/dL)	11.7±6.6	11.3±6.9	11.5±6.7	0.776
Procalcitonin (ng/mL)	10.8±20.2	12.5±36.1	11.5±27.7	0.813
Presepsin (pg/mL)	1196.6±571.2	1039.3±270.6	1130.4±472.7	0.115
Troponin-I (ng/mL)	0.7±1.9	0.4±0.4	0.6±1.4	0.345
Myoglobin (ng/mL)	796.0±1522.8	688.5±703.0	750.7±1239.6	0.682
CK-MB (ng/mL)	5.6±10.6	4.0±2.3	4.9±8.2	0.342
7 th day				
D-dimer (ng/mL)	5196.3±4128.1	4987.6±4271.3	5108.4±4162.0	0.831
Thrombin time (sec)	84.5±24.2	83.5±18.8	84.1±21.9	0.834
Antithrombin III (%)	63.6±21.7	70.1±16.2	66.3±19.7	0.153
FDP (microgram/mL)	21.5±18.4	26.0±26.9	23.4±22.3	0.426
PT (sec)	14.2±1.9	14.1±1.9	14.1±1.9	0.817
aPTT (sec)	39.8±12.1	36.5±12.8	38.4±12.4	0.254
INR	1.26±0.2	1.27±0.2	1.26±0.2	0.609
Fibrinogen (mg/dL)	393.9±201.2	375.2±204.9	386.1±201.6	0.692
Na (mmol/L)	139.5±8.8	138.8±8.5	139.2±8.6	0.750
K (mmol/L)	4.1±1.0	3.9±0.6	4.0±0.8	0.416
Cl (mmol/L)	104.3±8.5	101.5±19.8	103.2±14.3	0.457
pH (ABGA)	7.30±0.2	7.40±0.1	7.40±0.2	0.291
pO ₂ (ABGA) (mmHg)	100.1±41.4	97.2±31.4	98.9±37.3	0.737
pCO ₂ (ABGA) (mmHg)	42.9±10.5	39.5±9.6	41.5±10.2	0.152
cHCO ₃ (ABGA) (mmol/L)	25.1±5.8	25.9±5.7	25.5±5.7	0.557
Base excess (ABGA) (mmol/L)	0.0±6.2	1.5±5.3	0.6±5.8	0.272
SpO ₂ (ABGA) (%)	92.6±.1	94.2±5.0	93.3±7.0	0.318
Glucose (mg/dL)	153.9±65.7	172.3±81.7	161.7±72.9	0.282
iCa (mg/dL)	2.8±1.6	2.5±1.6	2.7±1.6	0.455
Lactate (mmol/L)	1.6±1.1	1.8±1.4	1.7±1.3	0.450
WBC (×10 ³ /uL)	15.8±8.8	16.0±8.4	15.9±8.5	0.923
RBC (×10 ⁶ /uL)	3.1±0.7	3.4±0.6	3.3±0.6	0.071
Hemoglobin (g/dL)	9.4±1.8	10.5±1.6	9.9±1.8	0.006*
Hematocrit (%)	29.6±5.7	32.0±5.3	30.6±5.6	0.065
Platelet (×10 ³ /uL)	149.1±105.6	184.1±130.9	163.8±117.4	0.201
Neutrophil (%)	81.9±17.5	83.4±.9	82.5±14.7	0.640
Lymphocyte (%)	10.4±14.5	9.0±5.6	9.8±11.6	0.538
Monocyte (%)	5.1 ±4.1	5.3±3.1	5.2±3.7	0.863
Eosinophil (%)	1.4±2.4	2.2±4.1	1.7±3.2	0.322
Basophil (%)	0.5±1.0	0.4±0.3	0.4±0.8	0.415
AST(GOT) (IU/L)	77.4±76.8	68.6±71.3	73.7±74.1	0.612
ALT(GPT) (IU/L)	71.5±77.5	57.1±61.0	65.4±71.0	0.387
Total bilirubin (mg/dL)	4.8±5.8	3.8±3.4	4.4±4.9	0.335
Direct bilirubin (mg/dL)	2.3±2.7	2.1±1.4	2.2±2.3	0.658
Total protein (g/dL)	5.7±0.8	5.7±0.9	5.7±0.9	0.852
Albumin (g/dL)	3.3±0.7	3.4±0.8	3.4±0.7	0.763
BUN (mg/dL)	41.9±25.5	28.1±14.3	36.1±22.5	0.004*
Creatinine (mg/dL)	1.3±0.8	0.9±0.7	1.2±0.8	0.016
Phosphate (mg/dL)	3.5±1.3	3.2±0.8	3.3±1.1	0.303
Amylase (U/L)	181.5±142.4	161.6±115.2	173.1±131.2	0.517
CRP (mg/dL)	10.7±7.3	7.8±5.9	9.5±6.9	0.065
Procalcitonin (ng/mL)	6.4±19.8	2.6±4.1	4.8±15.4	0.224
Presepsin (pg/mL)	1694.9±1021.7	1386.1±396.2	1564.9±828.8	0.073
Troponin-I (ng/mL)	0.5±0.5	0.9±2.3	0.7±1.5	0.328
Myoglobin (ng/mL)	914.1±726.0	1183.7±2098.1	1027.6±1462.7	0.490
CK-MB (ng/mL)	2.8±3.1	7.7±30.1	4.8±19.7	0.365

Values are expressed as n (%) or means ± standard deviations. DIC, disseminated intravascular coagulation; IU, international unit; SOFA, sequential organ failure assessment; SAPS, simplified acute physiology score; FDP, fibrinogen degradation products; PT, prothrombin time; aPTT, activated partial thromboplastin time; INR, international normalized ratio; SpO₂, O₂ saturation; iCa, ionized calcium; RBC, red blood cell; WBC, white blood cell; BUN, blood urea nitrogen; CRP, C-reactive protein; CK-MB, creatine kinase MB isoenzyme.