

Appendix 1. Laboratory features on hospital admission, and comparison between PLR cutoff

	PLR		P
	<252.6	>252.6	
Age (years)	59.3 ± 17.4	63.9 ± 16.4	0.069
Hospital Stay (Days)	9.5 ± 9.8	13.5 ± 11.9	0.012*
Male	38.9% (n=44)	61.1% (n=69)	0.042*
Red Blood Cell Count (10 ⁶ /μl)	4.3 ± 0.9	4.2 ± 0.8	0.471
Hemoglobin (g/dL)	12.6 ± 2.7	12.3 ± 2.6	0.468
Hematocrit (%)	36.3 ± 8.2	37.2 ± 7.8	0.336
White Blood Cell Count (10 ³ /μL)	10.9 ± 10.3	13.5 ± 5.9	0.030*
Lymphocyte count (10 ³ /μL)	3.1 ± 9.8	0.6 ± 0.3	0.010*
Neutrophil (10 ³ /μL)	8.6 ± 10.8	12.3 ± 5.8	0.003*
Platelet count (10 ³ /μL)	176.7 ± 85.5	302.4 ± 203.1	0.000*
CRP (mg/L)	163.0 ± 114.9	211.1 ± 119.3	0.010*
Glucose (mg/dl)	169.2 ± 102.8	184.5 ± 100.1	0.304
Urea (mg/dl)	56.6 ± 50.9	64.8 ± 53.0	0.288
BUN	26.1 ± 23.7	30.4 ± 24.8	0.230
Creatinine (mg/dl)	1.5 ± 2.1	2.4 ± 7.2	0.271
ALT (U/L)	59.7 ± 90.3	43.0 ± 42.7	0.111
AST (U/L)	85.5 ± 191.3	63.6 ± 101.4	0.333
Alkaline Phosphatase (U/L)	123.9 ± 84.9	127.7 ± 97.5	0.784
LDH (U/L)	479.5 ± 461.9	484.8 ± 227.8	0.966
Fibrinogen	458.9 ± 178.3	651.2 ± 198.5	0.000*
D-Dimer (mg/l)	5.5 ± 16.8	4.0 ± 9.8	0.479
Prothrombin time (s)	13.5 ± 5.4	13.0 ± 1.8	0.369
aPTT (s)	34.3 ± 13.1	34.3 ± 17.6	0.997
Serum ferritin (ng/ml)	754.6 ± 1135.7	733.8 ± 742.7	0.891
Procalcitonin (ug/L)	1.8 ± 7.0	1.0 ± 2.6	0.309
IL-6 (pg/ml)	108.2 ± 2.6	174.4 ± 263.2	0.094
NLR	7.3 ± 6.6	27.0 ± 22.7	0.000*
SII	1271.0 ± 1186.3	8408.9 ± 11617.8	0.000*
Death (n=105)	40.0% (n=42)	60.0% (n=63)	0.147

CRP: C Reactive Protein. BUN: Blood Urea Nitrogen. ALT: Alanine transaminase. AST: Aspartate transaminase. aPTT: activated partial thromboplastin time. LDH: Lactate dehydrogenase. NLR: Neutrophil-Lymphocyte Ratio, PLR: Platelet Lymphocyte Ratio. SII: Systemic Inflammatory Index.

*p<0.05

Appendix 2. Laboratory features on hospital admission, and comparison between SII cutoff

	SII		P
	<1815	>1815	
Age (years)	57.3 ± 17.2	64.7 ± 16.3	0.004*
Hospital Stay (Days)	9.3 ± 10.1	13.3 ± 11.6	0.018*
Male	32.7 (n=37)	67.3% (n=76)	0.017*
Red Blood Cell Count (10 ⁶ /μl)	4.2 ± 1.0	4.2 ± 0.8	0.661
Hemoglobin (g/dL)	12.4 ± 2.9	12.5 ± 2.5	0.775
Hematocrit (%)	37.6 ± 8.6	37.7 ± 7.6	0.921
White Blood Cell Count (10 ³ /μL)	8.7 ± 10.4	14.7 ± 5.3	0.000*
Lymphocyte count (10 ³ /μL)	3.3 ± 10.5	0.7 ± 0.4	0.009*
Neutrophil (10 ³ /μL)	5.4 ± 3.5	14.1 ± 9.2	0.000*
Platelet count (10 ³ /μL)	168.3 ± 83.3	297.0 ± 196.0	0.000*
CRP (mg/L)	145.2 ± 101.0	218.3 ± 122.1	0.000*
Glucose (mg/dl)	173.0 ± 107.5	180.7 ± 97.5	0.611
Urea (mg/dl)	50.5 ± 40.9	68.0 ± 57.4	0.024*
BUN	23.2 ± 19.0	31.9 ± 26.8	0.017*
Creatinine (mg/dl)	1.4 ± 2.0	2.4 ± 6.9	0.256
ALT (UI/L)	58.8 ± 94.9	42.2 ± 43.6	0.199
AST (UI/L)	87.9 ± 203.6	64.0 ± 97.1	0.298
Alkaline Phosphatase (UI/L)	126.8 ± 88.9	125.3 ± 93.8	0.918
LDH (UI/l)	452.9 ± 476.4	499.8 ± 242.4	0.391
Fibrinogen	451.4 ± 176.9	635.7 ± 201.8	0.000*
D-Dimer (mg/l)	6.1 ± 18.0	3.8 ± 9.3	0.283
Prothrombin time (s)	13.5 ± 5.7	13.0 ± 1.8	0.418
aPTT (s)	35.6 ± 13.4	33.4 ± 17.1	0.382
Serum ferritin (ng/ml)	841.3 ± 1329.8	681.9 ± 563.3	0.305
Procalcitonin (ug/L)	0.6 ± 1.3	1.9 ± 6.4	0.121
IL-6 (pg/ml)	87.3 ± 170.9	183.3 ± 253.7	0.016*
NLR	5.3 ± 4.7	26.5 ± 21.7	0.000*
PLR	155.5 ± 87.1	591.3 ± 756.2	0.000*
Death (n=105)	29.5% (n=31)	70.5% (n=74)	0.002*

CRP: C Reactive Protein. BUN: Blood Urea Nitrogen. ALT: Alanine transaminase. AST: Aspartate transaminase. aPTT: activated partial thromboplastin time. LDH: Lactate dehydrogenase. NLR: Neutrophil-Lymphocyte Ratio, PLR: Platelet Lymphocyte Ratio. SII: Systemic Inflammatory Index.

*p<0.05