

Supplementary Table S1. Comparison of clinical and laboratory findings between low and high sii groups

Parameters	Low SII group (SII < 600)	High SII group (SII ≥ 600)	P value
Age (years)	65.2 ± 14.8	70.3 ± 13.9	0.034 *
Sex			
- Male	48 (44.0%)	55 (58.5%)	0.028 *
- Female	61 (56.0%)	39 (41.5%)	
Presenting Symptoms			
- Hematemesis	53 (48.6%)	55 (58.5%)	0.134
- Melena	69 (63.3%)	66 (70.2%)	0.201
- Hematochezia	29 (26.6%)	20 (21.3%)	0.318
Vital Signs at Admission			
- Systolic BP (mmHg)	122 ± 18	113 ± 21	0.017 *
- Diastolic BP (mmHg)	74 ± 11	70 ± 13	0.042 *
- Heart Rate (bpm)	89 ± 14	95 ± 17	0.008 *
Comorbidities			
- Liver Cirrhosis	11 (10.1%)	25 (26.6%)	0.002 *
- Peptic Ulcer Disease	28 (25.7%)	30 (31.9%)	0.276
- Malignancy	8 (7.3%)	14 (14.9%)	0.084
Laboratory Parameters			
- Hemoglobin (g/dL)	9.8 ± 2.3	8.6 ± 3.0	0.009 *
- Neutrophil Count (×10 ⁹ /L)	5.9 ± 2.1	19.8 ± 3.6	<0.001 *
- Lymphocyte Count (×10 ⁹ /L)	1.5 ± 0.7	0.9 ± 0.4	<0.001 *
- Platelet Count (×10 ⁹ /L)	245 ± 78	190 ± 92	0.005 *
- Glucose (mg/dL)	118 ± 30	238 ± 50	0.027 *
- Albumin (g/dL)	3.5 ± 0.6	2.4 ± 0.8	<0.001 *
- CRP (mg/L)	42 ± 9	88 ± 17	<0.001 *
- Creatinine (mg/dL)	0.9 ± 0.3	1.5 ± 0.5	0.011 *
- Ca ⁺⁺ (mg/dL)	9.2 ± 0.4	8.7 ± 0.5	0.008 *
Length of Hospital Stay (days)	5.3 ± 2.1	7.9 ± 3.2	<0.001 *
Mortality	6 (5.5%)	22 (23.4%)	<0.001 *

Supplementary Table S2. ROC analysis results in patients for mortality

	Cut-off	Sensitivity	Specificity	AUC (95% CI)	P value
Age (years)	>70	0.71	0.64	0.735 (0.690-0.781)	<0.001
Hemoglobin (g/dL)	<8.5	0.68	0.62	0.721 (0.674-0.768)	0.002
Neutrophil Count (×10 ⁹ /L)	>19.5	0.74	0.67	0.789 (0.742-0.835)	<0.001
Lymphocyte Count (×10 ⁹ /L)	<1.0	0.69	0.66	0.731 (0.687-0.775)	0.003
Glucose (mg/dL)	>190	0.63	0.61	0.694 (0.647-0.741)	0.015
Albumin (g/dL)	<2.5	0.76	0.72	0.812 (0.769-0.855)	<0.001
CRP (mg/L)	>80	0.78	0.69	0.803 (0.761-0.845)	<0.001
Creatinine (mg/dL)	>1.4	0.66	0.63	0.722 (0.677-0.767)	0.008
Ca ⁺⁺ (mg/dL)	<8.8	0.61	0.59	0.671 (0.623-0.719)	0.031
Systemic Immune-Inflammation Index (SII)	>900	0.81	0.74	0.806 (0.763-0.848)	<0.001