

List of contents

This **Additional File 1** includes:

Table S1. Complete baseline characteristics of the study population.

Table S2. VIF values for variables included in Model 3.

Table S3. Logistic regression analysis of inflammatory indicators with linear trend tests.

Figure S1. Calibration curves and Hosmer–Lemeshow test for Model 3 based on SII (a), MLR (b), and PLR (c).

Table S4. E-values for Model 3.

Table S1. Complete baseline characteristics of the study population

Variables	Total (n=157)	Non, PE group (n=122)	PE group (n=35)	<i>P</i>
Age (mean±SD)	28.54±4.14	28.16±3.95	29.89±4.56	0.029
Pre-pregnancy BMI (mean±SD)	24.77±3.51	24.40±3.32	26.04±3.89	0.014
Gestational age at delivery	37 (32, 38)	37 (35, 39)	34 (28, 37)	<0.001
Pregnancy, n (%)				0.618
Second trimester	27 (17.2%)	20 (16.4%)	7 (20.0%)	
Third trimester	130 (82.8%)	102 (83.6%)	28 (80.0%)	
SLE disease activity, n (%)				1.000
Yes	10 (6.4%)	8 (6.6%)	2 (5.7%)	
No	147 (93.6%)	114 (93.4%)	33 (94.3%)	
Primipara, n (%)				0.730
Yes	113 (72.0%)	87 (71.3%)	26 (74.3%)	
No	44 (28.0%)	35 (28.7%)	9 (25.7%)	
Adverse obstetric history, n (%)				0.141
Yes	77 (49.0%)	56 (45.9%)	21 (60.0%)	
No	80 (51.0%)	66 (54.1%)	14 (40.0%)	
Natural birth, n (%)				0.002
Yes	46 (29.3%)	43 (35.2%)	3 (8.6%)	
No	111 (70.7%)	79 (64.8%)	32 (91.4%)	
Adverse pregnancy outcomes, n (%)				0.001
Yes	87 (55.4%)	59 (48.4%)	28 (80.0%)	
No	70 (44.6%)	63 (51.6%)	7 (20.0%)	
White blood cell count	8.83 (6.95, 10.59)	8.61 (6.51, 10.51)	9.68 (8.16, 11.58)	0.006
Monocyte count	0.52 (0.36, 0.65)	0.53 (0.36, 0.66)	0.47 (0.31, 0.61)	0.338
Lymphocyte count	1.40 (1.02, 1.90)	1.32 (0.99, 1.78)	1.73 (1.33, 2.36)	0.001
Neutrophil count	6.76 (4.94, 8.59)	6.37 (4.89, 8.33)	7.15 (6.06, 9.70)	0.018
Platelet count (mean±SD)	186.23±79.06	194.40±75.52	157.74±85.48	0.015
Total protein	61.50 (56.90, 65.15)	61.95 (58.38, 66.25)	58.40 (52.70, 61.50)	<0.001
Albumin	33.80 (29.20, 36.20)	34.25 (30.80, 37.12)	29.10 (22.50, 33.80)	<0.001
Prothrombin time	10.70 (9.80, 11.30)	10.70 (10.20, 11.33)	9.80 (9.40, 11.00)	0.003
Prothrombin activity percentage	106.90 (96.70, 120.50)	104.30 (95.00, 115.78)	122.20 (105.60, 137.80)	<0.001
SII	850.04 (495.01, 1288.38)	896.49 (601.38, 1287.71)	709.16 (294.45, 1297.50)	0.086
NLR	4.83 (3.17, 7.19)	4.78 (3.22, 6.83)	4.84 (2.98, 7.40)	0.863
MLR	0.36 (0.25, 0.49)	0.38 (0.28, 0.49)	0.24 (0.19, 0.39)	0.001
PLR	129.17 (92.77, 180.35)	139.71 (98.23, 188.42)	95.43 (46.46, 136.76)	<0.001

Note: Data are expressed as median (Q1, Q3) unless noted.

Table S2. VIF values for variables included in Model 3

Variables	Model 3a	Model 3b	Model 3c
Age	1.02	1.03	1.02
Pre-pregnancy BMI	1.03	1.06	1.02
Albumin	1.05	1.11	1.05
Prothrombin activity percentage	1.04	1.05	1.05

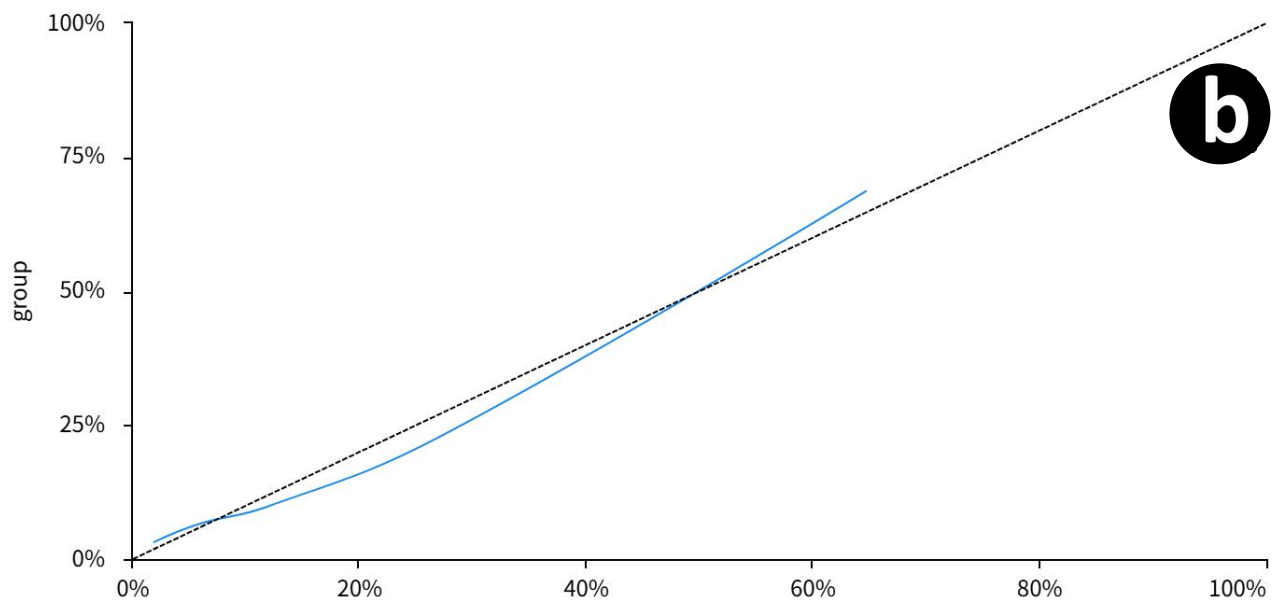
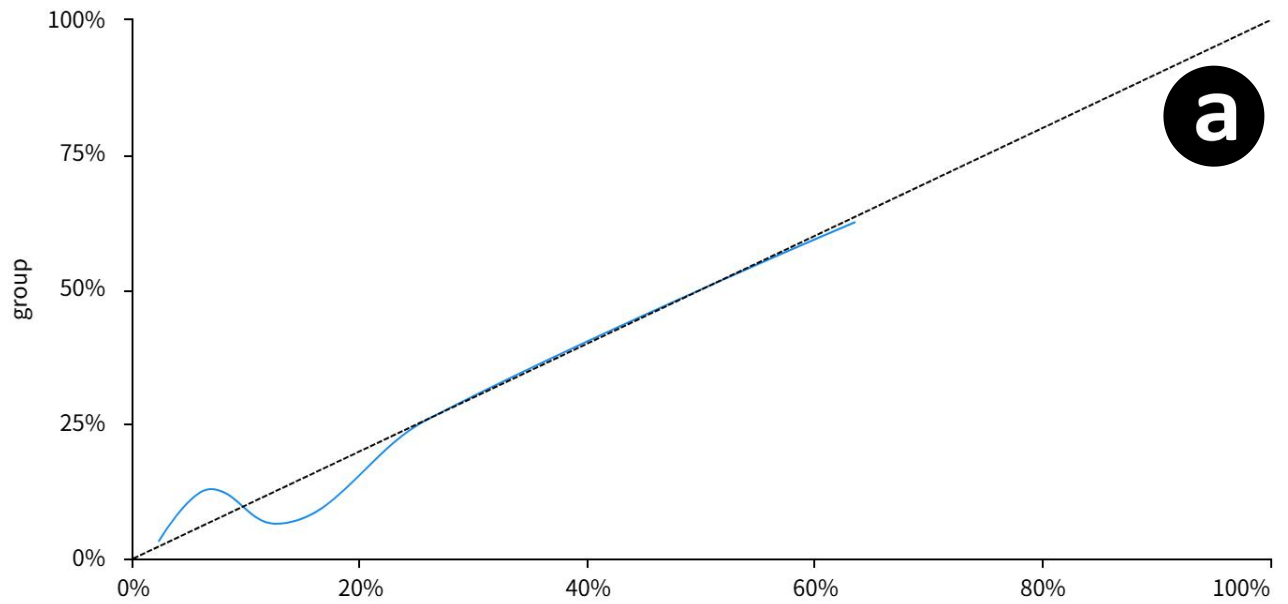
Note: Model 3a, 3b, and 3c are based on SII, MLR, and PLR respectively, with the same covariates (age, pre-pregnancy BMI, albumin, and prothrombin activity percentage).

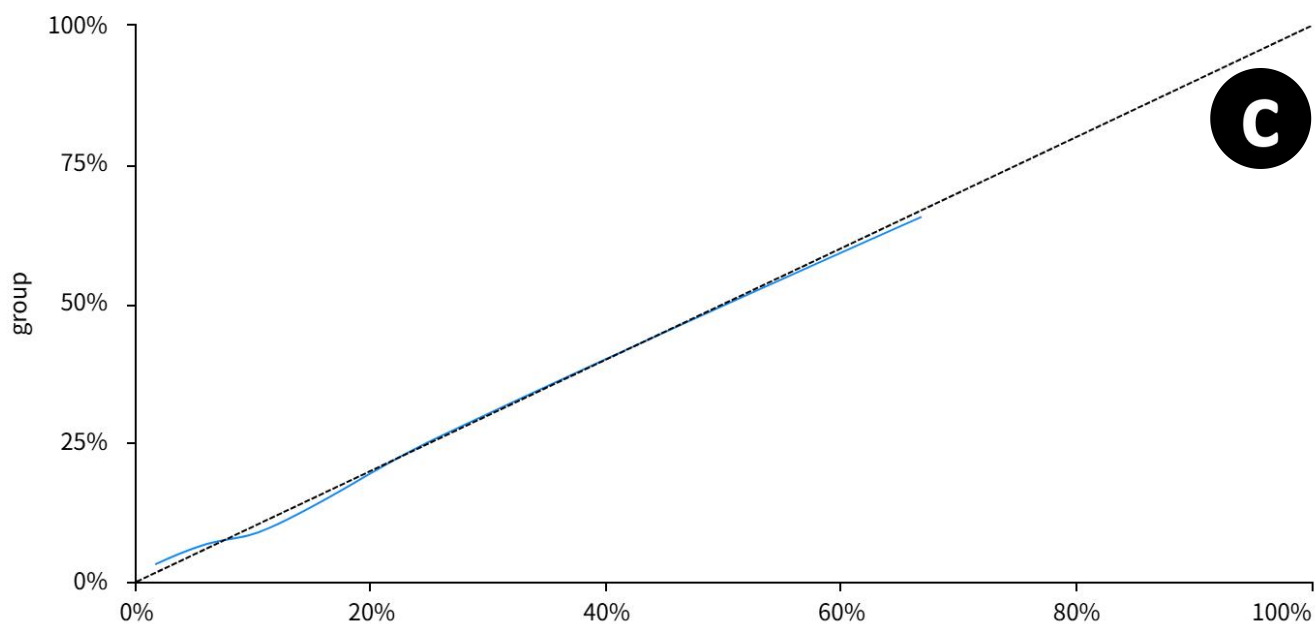
Table S3. Logistic regression analysis of inflammatory indicators with linear trend tests

Variables	Model 1		Model 2		Model 3	
	OR (95%CI)	<i>P</i>	OR (95%CI)	<i>P</i>	OR (95%CI)	<i>P</i>
InSII	0.647 (0.410–1.019)	0.061	0.553 (0.337–0.908)	0.019	0.590 (0.328–1.062)	0.079
Q1			1.00 (ref)			
Q2	0.315 (0.106–0.934)	0.037	0.220 (0.069–0.708)	0.011	0.153 (0.038–0.618)	0.008
Q3	0.325 (0.109–0.964)	0.043	0.223 (0.069–0.724)	0.012	0.178 (0.045–0.711)	0.015
Q4	0.536 (0.199–1.444)	0.217	0.409 (0.142–1.178)	0.098	0.444 (0.124–1.586)	0.211
P for trend		0.126		0.053		0.087
InMLR	0.314 (0.141–0.701)	0.005	0.185 (0.074–0.459)	<0.001	0.223 (0.071–0.699)	0.010
Q1			1.00 (ref)			
Q2	0.255 (0.091–0.716)	0.010	0.200 (0.065–0.618)	0.005	0.182 (0.052–0.638)	0.008
Q3	0.137 (0.041–0.461)	0.001	0.077 (0.020–0.298)	<0.001	0.096 (0.019–0.470)	0.004
Q4	0.200 (0.069–0.583)	0.003	0.118 (0.036–0.386)	<0.001	0.179 (0.043–0.749)	0.018
P for trend		0.001		<0.001		0.005
InPLR	0.367 (0.214–0.630)	<0.001	0.304 (0.166–0.558)	<0.001	0.344 (0.175–0.675)	0.002
Q1			1.00 (ref)			
Q2	0.388 (0.146–1.032)	0.058	0.384 (0.135–1.095)	0.074	0.297 (0.086–1.021)	0.054
Q3	0.185 (0.060–0.573)	0.003	0.147 (0.045–0.481)	0.002	0.160 (0.038–0.668)	0.012
Q4	0.148 (0.044–0.497)	0.002	0.118 (0.033–0.424)	0.001	0.171 (0.042–0.705)	0.014
P for trend		<0.001		<0.001		0.004

Note: Model 1 was unadjusted; Model 2 was adjusted for age and pre-pregnancy BMI; Model 3 was further adjusted for albumin and prothrombin activity percentage.

Figure S1. Calibration curves and Hosmer–Lemeshow test for Model 3 based on SHI (a), MLR (b), and PLR (c)





The results of the Hosmer–Lemeshow tests for Model 3 are as follows: SII, $P = 0.570$; MLR, $P = 0.490$; PLR, $P = 0.450$. All P values > 0.05 .

Table S4. E-values for Model 3

Model 3	OR (95% CI)	E-value for point estimate	E-value for CI limit	Note
Model 3a	0.590 (0.328-1.062)	2.78	1.00	Significant
Model 3b	0.223 (0.071-0.699)	8.05	2.22	Significant
Model 3c	0.344 (0.175-0.675)	5.27	2.32	Significant

Note: Model 3a, 3b, and 3c are based on SII, MLR, and PLR respectively, with the same covariates (age, pre-pregnancy BMI, albumin, and prothrombin activity percentage).