

Table S1 Correlation between lipid parameters and related factors

Variables	History of diabetes	History of hypertension	Albumin	Hemoglobin	Creatinine	Total bilirubin	ALT	CRP	NLR
Total cholesterol	0.405	0.236	0.512*	0.445	0.219	0.339	0.375	0.198	0.225
LDL-C	0.398	0.255	0.523*	0.369	0.258	0.348	0.345	0.248*	0.311
Triglyceride	0.597	0.168	0.465	0.279	0.279	0.149	0.225	0.234	0.298
HDL-C	0.365	0.115	0.198	0.243	0.156	0.201	0.123	0.215	0.238

The correlation coefficient was expressed as a Point-biserial correlation coefficient or Pearson correlation coefficient. *, 0.05 < P value < 0.10. LDL-C, low density lipoprotein-cholesterol; HDL-C, high density lipoprotein-cholesterol; ALT, alanine aminotransferase; CRP, C-reactive protein, NLR, neutrophil-to-lymphocyte ratio

Table S2 Multicollinearity analysis[†] of total cholesterol and related factors

Variables	Coefficient	VIF	R ²
Albumin	0.028	2.1	0.683
Hemoglobin	0.078	1.6	
Creatinine	0.002	2.4	
Total bilirubin	-0.001	1.5	
ALT	0.097	2.0	
CRP	0.000	1.6	
NLR	-0.001	1.4	

[†] Using multiple regression analysis. VIF, variance inflation factors ALT, alanine aminotransferase; CRP, C-reactive protein, NLR, neutrophil-to-lymphocyte ratio.

Table S3 Multicollinearity analysis[†] of low-density lipoprotein cholesterol and related factors

Variables	Coefficient	VIF	R ²
Albumin	0.023	3.0	0.712
Hemoglobin	0.098	2.5	
Creatinine	0.001	2.2	
Total bilirubin	0.000	1.5	
ALT	0.057	2.4	
CRP	0.000	1.9	
NLR	0.000	1.5	

[†], using multiple regression analysis. VIF, variance inflation factors ALT, alanine aminotransferase; CRP, C-reactive protein, NLR, neutrophil-to-lymphocyte ratio.

Table S4 Multicollinearity analysis[†] of triglyceride and related factors

Variables	Coefficient	VIF	R ²
Albumin	0.058	1.1	0.703
Hemoglobin	0.112	1.3	
Creatinine	0.005	2.4	
Total bilirubin	0.007	1.1	
ALT	-0.067	2.2	
CRP	-0.001	1.6	
NLR	-0.004	1.3	

[†], using multiple regression analysis. VIF, variance inflation factors ALT, alanine aminotransferase; CRP, C-reactive protein, NLR, neutrophil-to-lymphocyte ratio.

Table S5 Multicollinearity analysis[†] of high-density lipoprotein cholesterol and related factors

Variables	Coefficient	VIF	R ²
Albumin	0.019	2.0	0.533
Hemoglobin	0.058	1.7	
Creatinine	0.009	2.3	
Total bilirubin	0.002	1.5	
ALT	0.073	2.2	
CRP	0.001	1.5	
NLR	-0.002	1.5	

[†], using multiple regression analysis. VIF, variance inflation factors ALT, alanine aminotransferase; CRP, C-reactive protein, NLR, neutrophil-to-lymphocyte ratio.