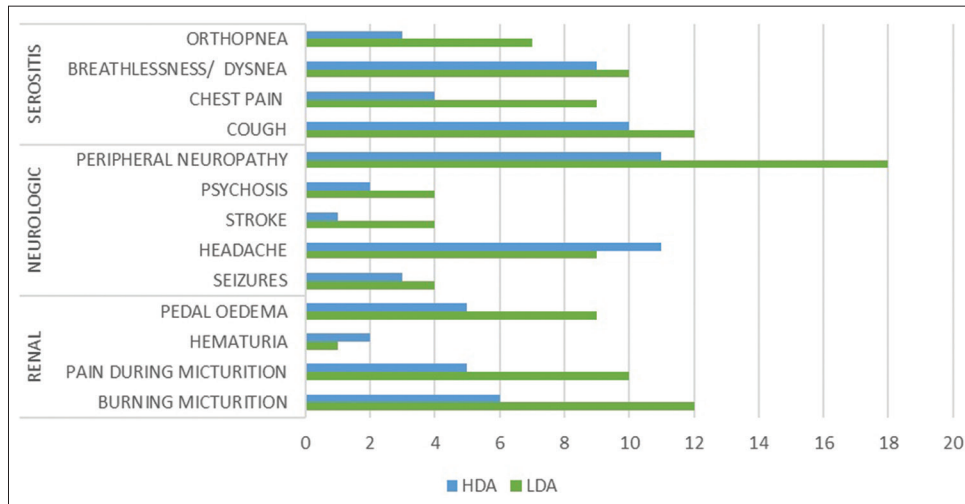
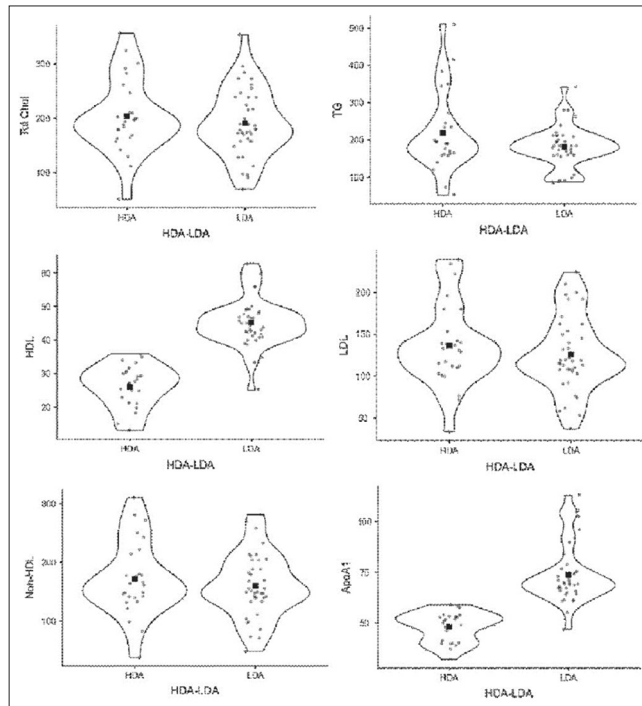


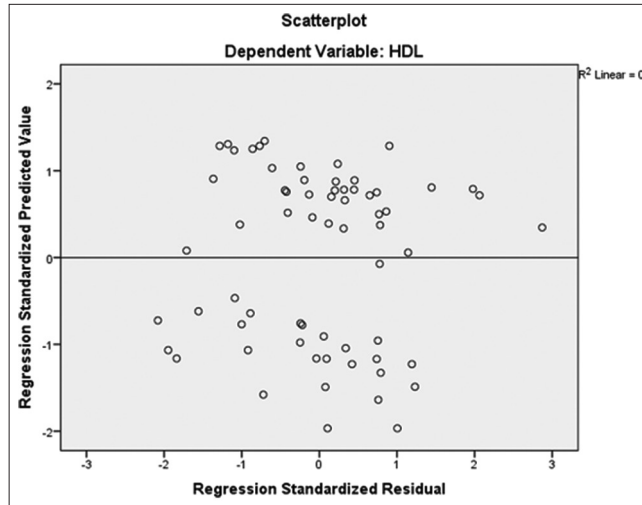
SUPPLEMENTARY FIGURES



Supplementary Figure 1: Clustered bar diagram showing clinical manifestations of organ involvement in systemic lupus erythematosus patients with low disease activity and high disease activity. HDA: High disease activity, LDA: low disease activity.



Supplementary Figure 2: Lipid profile in systemic lupus erythematosus patients with low disease activity and high disease activity. HDA: High disease activity, LDA: low disease activity. HDL: High density lipoprotein.



Supplementary Figure 3: Residual scatter plot between the predicted variable dependent variable scores and errors of prediction (high disease activity; dependent variable, interleukin-10; predictor). HDL: High density lipoprotein.

SUPPLEMENTARY TABLES

Supplementary Table 1: Comparison of lipid profile status in SLE patients with and without nephritis.

Parameter	With nephritis (n=32)	Without nephritis (n=33)	P-value
Total cholesterol (mg/dL)	197.72±12.67	195.21±10.02	0.877
TG (mg/dL)	187.75±14.42	204.36±13.99	0.411
HDL (mg/dL)	38.0±2.26	37.21±1.87	0.789
LDL (mg/dL)	129.59±9.04	130.61±7.26	0.931
VLDL (mg/dL)	39.66±3.48	38.24±2.16	0.730
Non-HDL (mg/dL)	164.31±11.23	164.97±8.89	0.963
ApoA1 (mg/dL)	62.47±3.02	65.12±3.08	0.542

Values in mean±standard error mean. TG: Triglycerides, HDL: High-density lipoprotein, LDL: Low-density lipoprotein, SLE: Systemic lupus erythematosus, VLDL: Very low-density lipoprotein, ApoA1: Apolipoprotein 1

Supplementary Table 2: Reliability analysis for Figure 1.

Scale reliability statistics			
	Mean	SD	McDonald's ω
Scale	101	36.6	0.667

SD: Standard deviation

Supplementary Table 3: Linear logistic regression models (step-wise) to identify the relationship between predictor variables (HDL, ApoA1, IL-10, and IL-17) on a response variable (SLEDAI Score).

Model fit measures							
Model	R	R ²	Adjusted R ²	F	Overall model test		
					df1	df2	P
1	0.624	0.390	0.380	40.2	1	63	<0.001
2	0.768	0.590	0.577	44.6	2	62	<0.001
3	0.775	0.601	0.582	30.7	3	61	<0.001
4	0.776	0.602	0.575	22.7	4	60	<0.001
Model comparisons							
Comparison		Model	ΔR^2	F	df1	df2	P
Model	Model						
1	-	2	0.2002	30.2810	1	62	<0.001
2	-	3	0.0112	1.7166	1	61	0.195
3	-	4	4.19e-4	0.0632	1	60	0.802
Model coefficients - SLEDAI score							
Predictor	Estimate	SE	95% confidence interval				
			Lower	Upper	t	P	
Intercept ^a	-2.4359	17.52904	-37.49915	32.6275	-0.139	0.890	
HDL	-0.0500	0.10701	-0.26402	0.1641	-0.467	0.642	
IL-10	0.0146	0.00281	0.00901	0.0203	5.204	<0.001	
Log_IL-17	3.8244	3.00289	-2.18226	9.8311	1.274	0.208	
Log_ApoA1	-2.4023	9.55881	-21.52275	16.7182	-0.251	0.802	

^aRepresents reference level. HDL: High-density lipoprotein, IL: Interleukin, SE: Standard error, ApoA1: Apolipoprotein 1, SLEDAI: Systemic lupus erythematosus disease activity index, df: degrees of freedom, R: Correlation coefficient, R²: Measures the strength of the relationship between the model and the dependent variable, F: It is a measure of the ratio of the variances