

Table (1): Patients and controls' demographic data.

Parameters	Patients	Controls	P-value
Gender (male/female)	58/ 2	56/4	0.402 (NS)
Age,years(mean± S.D)	31.52 ± 8.30	32.47 ± 9.19	0.554 (NS)
range	19-48	20-50	

-NS: Non-significant.

-S.D: standard deviation.

Table (2): laboratory investigations of patients and controls.

Parameters (mean±S.D)	Patients	Controls	P-value
ESR	41.47±34.94	11.78±3.36	<0.001
WBCs	6.13±2.85	7.02±2.01	0.01
RBCs	4.43±0.49	4.94±0.28	0.02
HGB	12.03±1.38	13.51±1.05	0.01
PLT	218.77±93.94	241.65±72.29	<0.001
serum creatinine	1.83±1.13	0.89±0.22	0.03
24 h urinary protein	316.17±229.99	92.33±32.49	<0.001
C3	59.17±46.54	111.85±26.56	<0.001
C4	10.20±9.33	20.95±8.96	<0.001
ANA	4.85±3.11	0.72±0.34	<0.001
anti-dsDNA	189.57±109.03	9.78±5.07	<0.001
IL-4	8.85±3.39	4.99±0.99	<0.001
IFN-γ	5.85±2.85	0.83±0.42	<0.001

-S.D: standard deviation. -ESR=erythrocyte sedimentation rate.
-ANA: antinuclear antibodies.
-Anti-dsDNA: anti-double-stranded DNA. -C3: complement 3.
-C4: complement 4.
-WBCs: white blood cells. -RBCs: red blood cells.
-PLT: platelet
-HGB: heamoglobin. -IFN-γ: interferon gamma.
-IL-4: interleukin 4.

Table (3): SLE Disease Activity Index (SLEDAI) in SLE subjects.

		No	Percent
SLEDAI	No activity	3	5.0
	Mild activity	9	15.0
	Moderate activity	13	21.7
	High activity	17	28.3
	Very high activity	18	30.0
	Total	60	100.0

Table (4): Correlation of IL-4 with laboratory investigations of SLE patients.

		IL-4
SLEDAI	Pearson Correlation	-0.195
	P-value	0.136
anti-dsDNA	Pearson Correlation	-0.199
	P-value	0.127
24h urine protein	Pearson Correlation	-0.014
	P-value	0.918
C3	Pearson Correlation	-0.007
	P-value	0.959
C4	Pearson Correlation	0.153
	P value	0.244

-IL-4: interleukin 4.
SLE Disease Activity Index.
- SLEDAI :
- C3: complement 3.
- C4:
complement 4.
- Anti-dsDNA: anti-double-stranded DNA.