Supplementary Figure 1: Interactions of the cholesterol with selected cytokines possess diagnostic value in the pathogenesis of cutaneous leishmaniosis. Proteins are demonstrated as spheres while cholesterol is shown as capsule-shaped node. Stronger associations are represented by thicker lines. Protein-protein interactions are shown in grey, chemical-protein interactions in green and interactions between chemicals in red.

Protein-Protein Network Stats
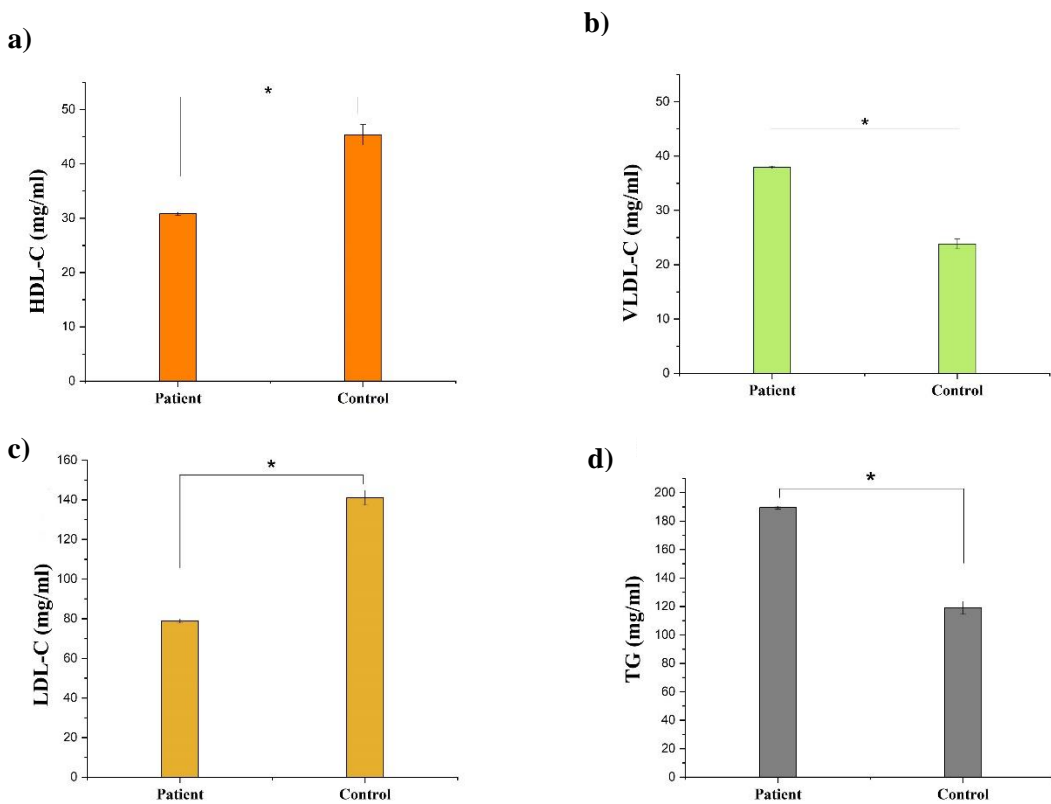
number of nodes: 22

number of edges: 83

average node degree: 7.55

clustering coefficient: 0.88

expected number of edges: 24

PPI enrichment p-value: 0

a)

b)

c)

d)

Supplementary Figure 2: Average total of (a) HDL-C, (b) VLDL-C, (c) LDL-C and (d) TG.

HDL-C = high-density lipoprotein-cholesterol; VLDL-C = very-low-density lipoprotein-cholesterol; LDL-C = low density lipoprotein-cholesterol; TG = triglycerides.
*P ≤0.05.

Supplementary Table 1: The serum cholesterol and cytokine profile in cutaneous leishmaniosis

	Cholesterol in mg/dL	IL-10 in ng/L	IL-12 in ng/L	TNF-α in ng/L
Patient (n = 50)	143.23 ±1.27	523.77 ± 8.29	202.48 ± 4.20	173.57 ± 18.96
Control (n = 25)	156.40 ±1.72	14.08 ± 1.72	144.09 ± 5.95	15.98 ± 0.92
T-test	4.335*	21.349*	15.557*	61.570*
***P* value**	0.0001	0.0001	0.0001	0.0001

IL = interleukin; TNF-α = tumor necrosis factor alpha.

*P ≤0.01.

Supplementary Table 2: Comparison between patients and control in lipid profile

|	Mean ± SE in mg/dL				
	Cholesterol	Triglyceride	HDL	VLDL	LDL
Patients	141.47 ± 0.71	189.44 ± 1.01	30.80 ± 0.32	37.90 ± 0.22	78.85 ± 1.02
Control	161.65 ± 2.94	119.05 ± 4.48	45.35 ± 1.89	23.81 ± 0.90	141.01 ± 3.71
T-test	4.079*	6.011*	2.321*	1.247*	5.445*
***P* value**	0.0001	0.0001	0.0001	0.0001	0.0001

SE = standard error; HDL = high-density lipoprotein; VLDL = very-low-density lipoprotein; LD = low density lipoprotein.

*P ≤0.01.
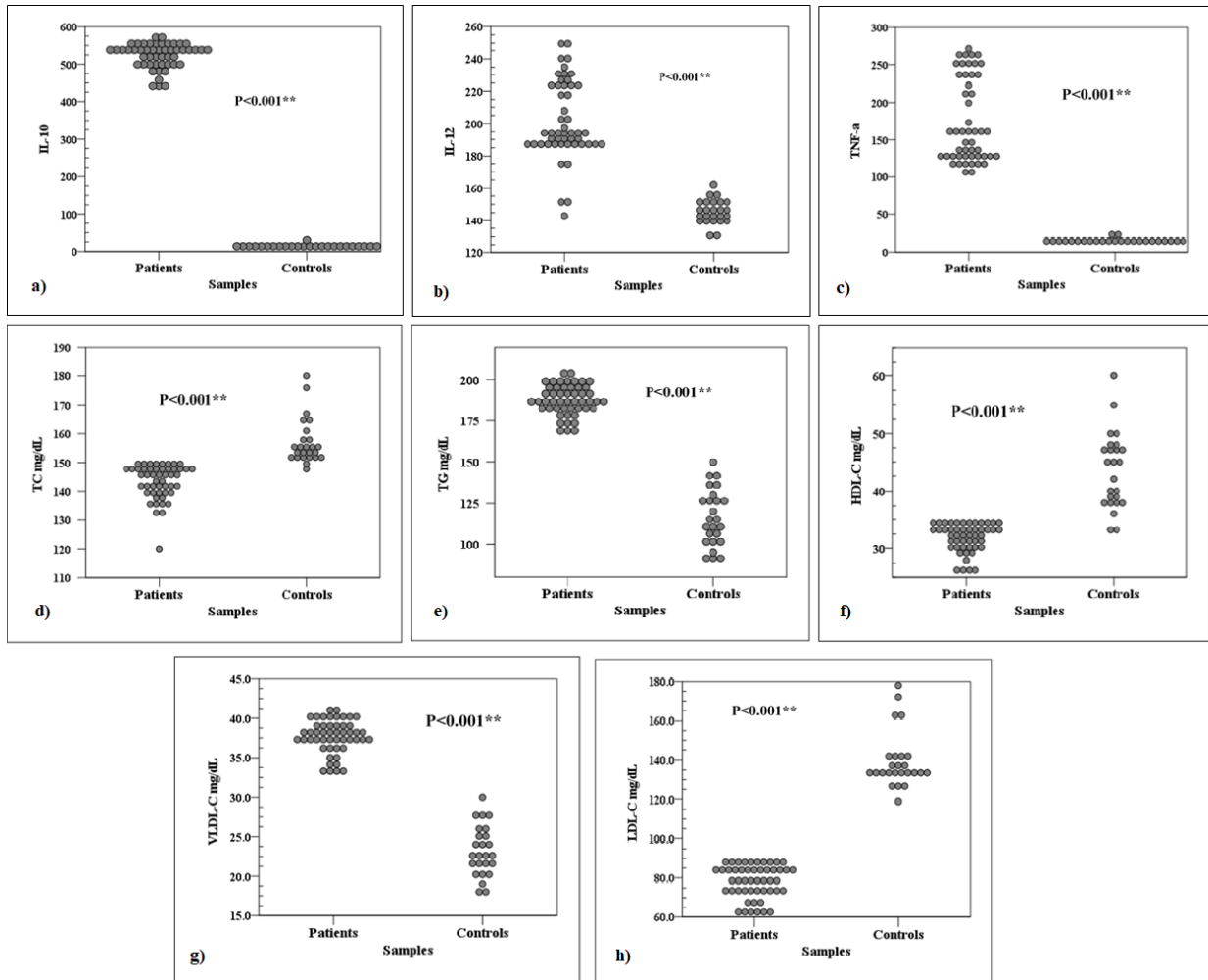
Supplementary Figure 3: The dot plots of differences in the distribution of cytokines and lipid profiles levels between cases and controls of (a) IL-10, (b) IL-12, (c) TNF-α, (d) TC, (e) TG, (f) HDL-C, (g) VLDL-C and (h) LDL-C.

IL = interleukin; TNF-α = tumor necrosis factor alpha; TC = total cholesterol; TG = triglycerides; HDL-C = high-density lipoprotein-cholesterol; VLDL-C = very-low-density lipoprotein-cholesterol; LDL-C = low density lipoprotein-cholesterol.
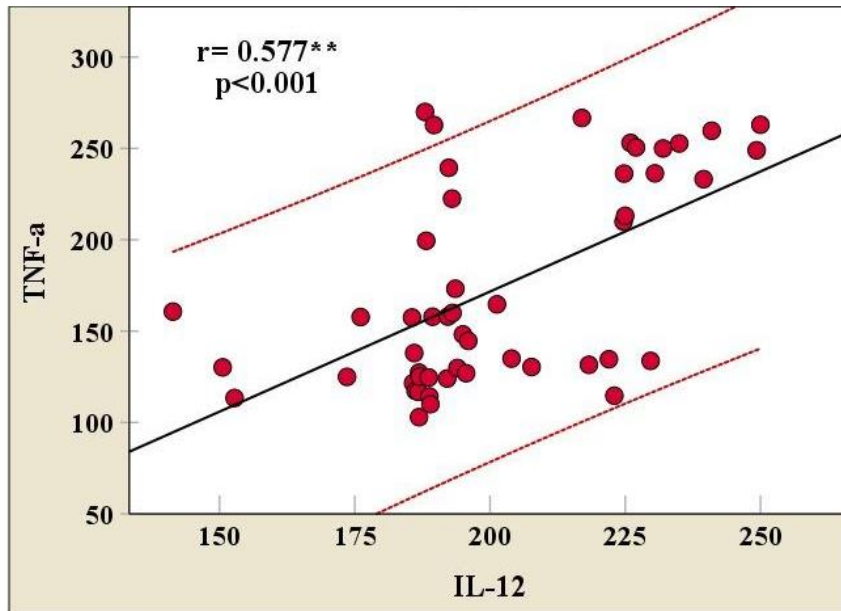
Supplementary Figure 4: The dot plot of significant correlation of IL-12 and TNF-α. The separate red line expressed as 95% CI.

IL = interleukin; TNF-α = tumor necrosis factor alpha; CI = confidence interval.