

The association between serum leptin level and the atherogenic index of plasma in psoriatic patients

Samer A. Dhaher,¹ Budoor O. Yousif,² Nazar S. Haddad³

¹Department of Dermatology, College of Medicine, University of Basrah; ²Department of Dermatology, Basrah Teaching Hospital; ³Department of Biochemistry, College of Medicine, University of Basrah, Iraq

doi: 10.4081/dr.2026.10817

SUPPLEMENTARY MATERIAL

Supplementary Table 1. Laboratory investigations (n=100).

Variable	Mean±SD	Range	Elevated level (n)
Total cholesterol (mg/dL)	174.9±44.5	76.0-305.3	27
Triglycerides (mg/dL)	151.8±105.3	49.0-692.0	41
HDL (mg/dL)	43.1±16.1	11.00-90.00	56
VLDL (mg/dL)	32.4±21.7	29.1-90.0	39
LDL (mg/dL)	113.6±35.8	40.0-194.4	31
Serum glucose (mg/dL)	110.02±45.06	78.0-350.0	—
AIP	0.3±0.06	0.0-1.1	—
Low risk	—	—	46
Intermediate risk	—	—	15
High risk	—	—	39
Serum leptin (ng/dL)	19.8±9.7	0.1-60.2	26
Normal weight patient with	—	—	6

elevated serum leptin			
Overweight patients with elevated serum leptin	–	–	11
Obese patient with elevated serum leptin	–	–	9

SD, standard deviation; HDL, high-density lipoprotein; VLDL, very low-density lipoprotein; LDL, low-density lipoprotein; AIP, atherogenic index of plasma.

Supplementary Table 2. The comparison of serum leptin among cases and healthy controls.

Variables		Serum leptin ng/mL		p-value
		Healthy control	Cases of psoriatic patients	
Male	Normal weight	3.9±2.8	3.79±0.81	0.865
Female		7.4±3.2	9.22±5.00	0.334
Male	Overweight and obese	13.9±1.6	19.12±15.12	0.019
Female		2.0±0.48	31.2±15.4	0.001