

**Table (1): Clinical and laboratory characteristics of the participants.**

	Controls (n=20) Mean $\pm$ SD	Patients (n=70) Mean $\pm$ SD	p-value
age	54.8 $\pm$ 11.97	58.77 $\pm$ 9.82	0.191
Male/female	10/10	38/32	0.736
BMI	21.55 $\pm$ 2.04	21.18 $\pm$ 2.183	0.563
sBP(mmHg)	121 $\pm$ 6.996	158.7 $\pm$ 17.83***	< 0.0001
dBp(mmHg)	77.50 $\pm$ 6 .98	80.36 $\pm$ 7.19	0.1183
NO ( $\mu$ mol/l)	18.77 $\pm$ 1.353	27.98 $\pm$ 6.6	0.001
Apelin (ng/L)	1616 $\pm$ 940	1070 $\pm$ 465	< 0.0001

BMI: body mass index, sBP: systolic blood pressure, dBp: diastolic blood pressure, NO: Nitrous oxide

**Table (2) independent sample t-test comparing apelin, Nitrous oxide in both gender.**

	Apelin (ng/L)		Nitrous oxide ( $\mu\text{mol/l}$ )	
	Male	Female	Male	Female
Mean	1026.30	1008.73	28.53	27.52
$\pm\text{SD}$	491.57	448.25	7.42	5.88
Mean difference	17.57		1.007	
t value	0.156		0.633	
p value	0.935		0.167	
Significance.	N.S.		N.S.	

SD: standard deviation, N.S: Non-significant

**Table (3): Correlation between the Blood Pressure and other variables in both groups.**

CORRELATION		Age	Apelin	Nitrous oxide
<b>B.P.</b>	r-value	-0.158	-0.550	0.752
	P-value	0.138	0.001	0.001
	Level of significance	N.S.	S.	S.

B.P: blood pressure, N.S: non significant, S:significant , P value >0.005 is non significant, P value <0.005 is significant