

normal value, and of  $0.86 \pm 0.15$  in the controls group which shows no statistical significant difference between them (Table 2).

Table 3 shows the correlation between serum leptin and serum uric acid in the severe PET

group ( $r = 0.511$ ). In addition, there was correlation between serum leptin and serum creatinine in the severe PET group ( $r = 0.724$ ).

**Table 1a. The Demographic Criteria of Patients with Severe Preeclampsia and the Control Group**

Parameter		PET	Control group
Age (years)		$23.95 \pm 3.24$	$23.78 \pm 3.23$
BMI (Kg/m <sup>2</sup> )		$30.33 \pm 4.64$	$30.23 \pm 4.96$
Blood Pressure (mmHg)	Systolic BP	$171.59 \pm 14.3$	$111.72 \pm 7.68^*$
	Diastolic BP	$119.55 \pm 8.88$	$68.44 \pm 7.98^*$

\* =  $P < 0.0001$

**Table 1b. The Demographic Criteria of Patients with Severe Preeclampsia and the Control Group**

Parameter		PET		Control	
		Number	%	Number	%
Age (years)	< 20	6	13.6	5	15.6
	20-24	18	40.9	13	40.6
	25-29	20	45.5	14	43.8
Albumin	Nil	-	-	32	100
	+	-	-	-	-
	+++	26	59.1	-	-
	++++	18	40.9	-	-

**Table 2. The distribution of Serum Leptin, Creatinine and uric acid in Severe Preeclamptic Group and the Control group**

Parameter	PET		Control group	
	Mean $\pm$ SD	Range	Mean $\pm$ SD	Range
Leptin (ng/dl)	$73.65 \pm 38.13$	7.0 - 140.0	$23.08 \pm 13.87$	6.9 - 48.0*
Creatinine (mg/dl)	$0.92 \pm 0.18$	0.7 - 1.3	$0.86 \pm 0.15$	0.7 - 1.1
Uric acid (mg/dl)	$5.53 \pm 0.95$	3.7 - 7.0	$3.85 \pm 0.86$	3.0 - 6.0*

\* =  $P < 0.0001$

**Table 3. The Correlations of Serum Leptin with Different Parameters in Both Control and PET Group**

Parameter	Leptin (ng/dl)		Level of Significance
	Control	PET	
Age (years)	0.604	0.451	r
	0.0001	0.002	P
BMI (Kg/m <sup>2</sup> )	0.801	0.098	r
	0.0001	0.527	P
Systolic BP (mmHg)	0.016	0.267	r
	0.931	0.079	P
Diastolic BP (mmHg)	0.142	0.014	r
	0.438	0.929	P
Uric acid (mg/dl)	0.258	0.511	r
	0.154	0.0001	P
Creatinine (mg/dl)	0.397	0.724	r
	0.024	0.0001	P