

RESULTS

Descriptive statistics:

Table (3): Demographic parameters of control and pre-eclamptic groups in age by year.

	Age				ANOVA	
	Range	Mean	±	SD	f	P-value
Control	18.00-37.00	25.260	±	5.630	2.005	0.138
Mild	18.00-36.00	25.160	±	5.075		
Severe	18.00-35.00	23.460	±	4.370		

Table (3) show that:

There was insignificant deference between three groups

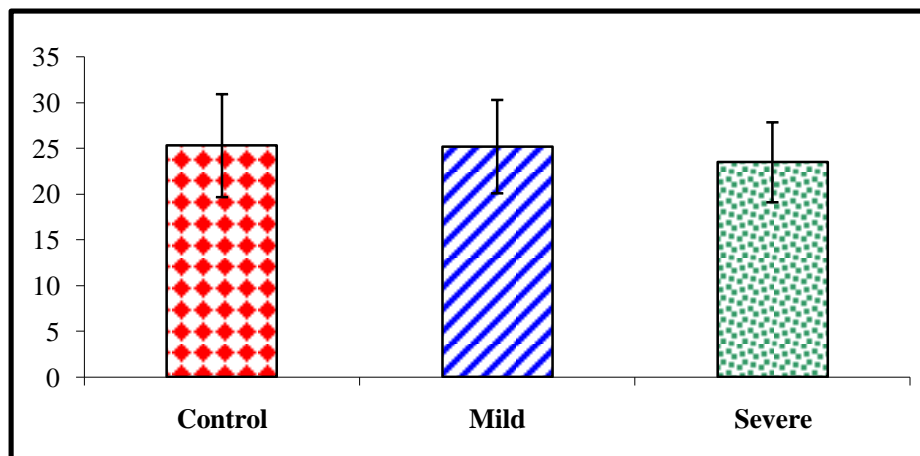


Figure (8): Demographic parameters of control and pre-eclamptic groups in age by year.

Table (4): Demographic parameters of control and pre-eclamptic groups in gestational age.

	GA				ANOVA	
	Range	Mean	\pm	SD	f	P-value
Control	28.00-40.00	30.340	\pm	1.912	0.363	0.696
Mild	28.00-40.00	30.640	\pm	1.935		
Severe	28.00-38.00	30.560	\pm	1.606		

GA: gestational age

Table (4) show that:

There was insignificant difference between three groups

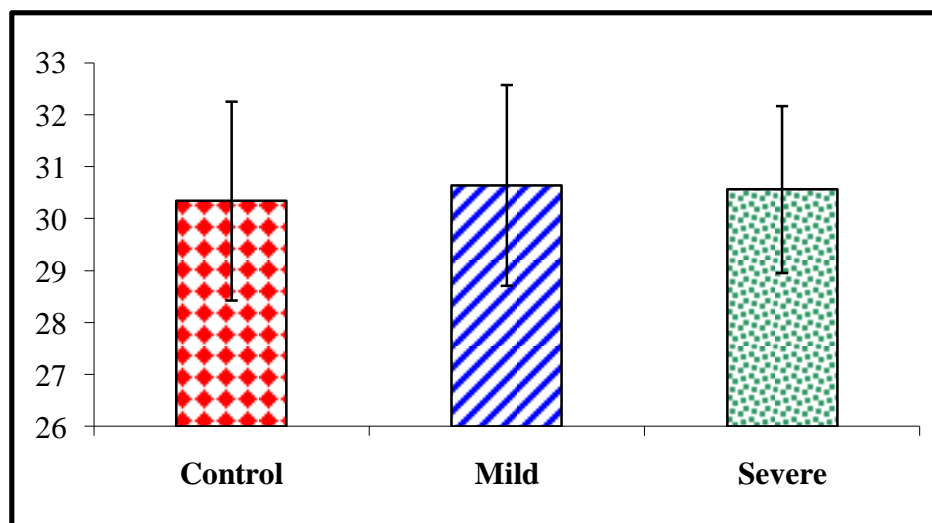


Figure (9): Demographic parameters of control and pre-eclamptic groups in gestational age.

Table (5): Demographic parameters of control and pre-eclamptic groups in systolic blood pressure.

	Systolic blood pressure				ANOVA	
	Range	Mean	±	SD	f	P-value
Control	90.00-120.00	99.800	±	9.947	1403.269	<0.001*
Mild	140.00-155.00	148.680	±	4.187		
Severe	165.00-180.00	169.600	±	4.549		

* Significant at P-value<0.05

Table (5) show that:

There was significant difference between three groups.

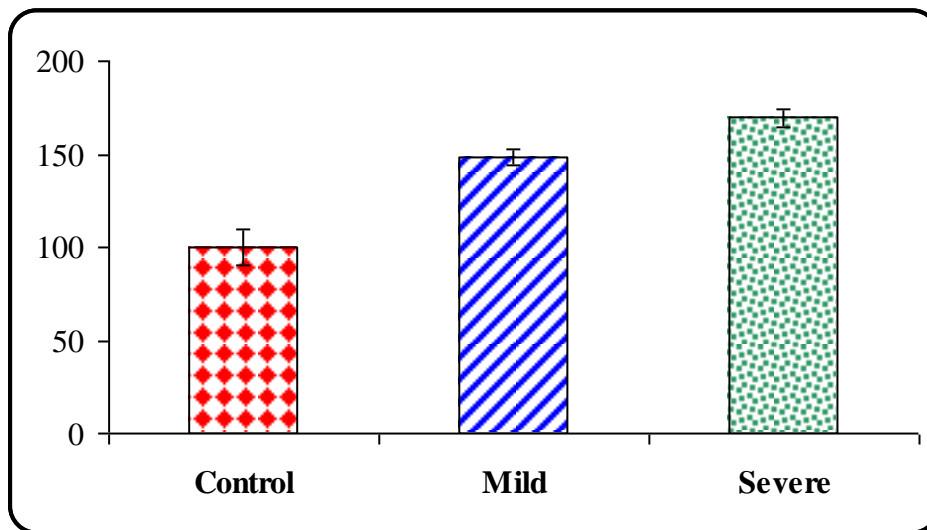


Figure (10): Demographic parameters of control and pre-eclamptic groups in systolic blood pressure.

Table (6): Demographic parameters of control and pre-eclamptic groups in diastolic blood pressure.

	Diastolic Blood Pressure				ANOVA	
	Range	Mean	±	SD	f	P-value
Control	50.00-75.00	66.020	±	5.985	1127.646	<0.001*
Mild	90.00-105.00	95.880	±	3.853		
Severe	110.00-125.00	112.900	±	4.925		

Significant at P-value<0.05

Table (6) show that:

There was statistically significant difference between three group as regard diastolic blood pressure.

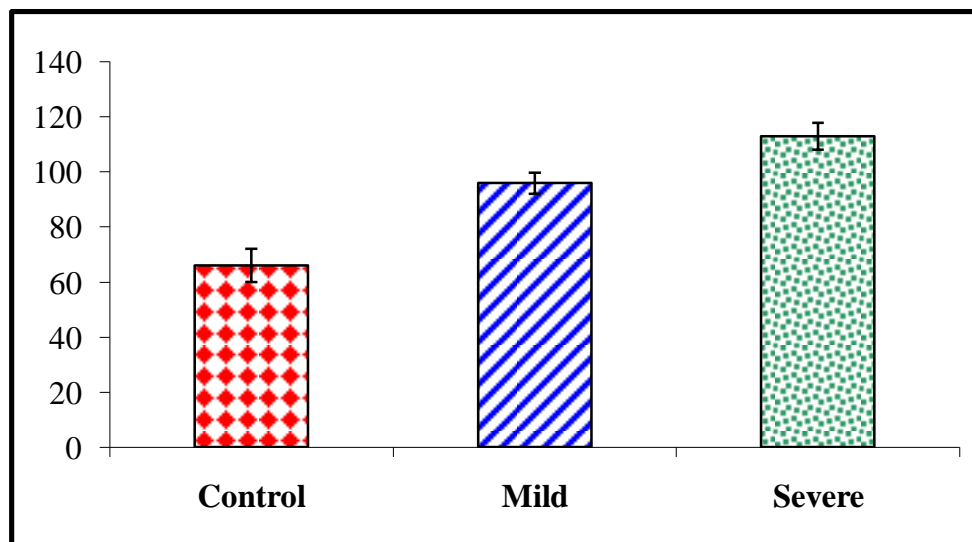


Figure (11): Demographic parameters of control and pre-eclamptic groups in diastolic blood pressure.

Table (7): Demographic parameters of control and pre-eclamptic groups as regard mean arterial blood pressure.

	MAP (mmHg)			ANOVA	
	Range	Mean	± SD	f	P-value
Control	63.33-88.33	77.280	± 5.696	2207.622	<0.001*
Mild	108.67-120.67	113.480	± 2.747		
Severe	119.00-139.00	131.800	± 3.508		

* Significant at P-value<0.05; MAP: mean arterial blood pressure

Table (7) show that:

there was statistically significance difference between three groups.

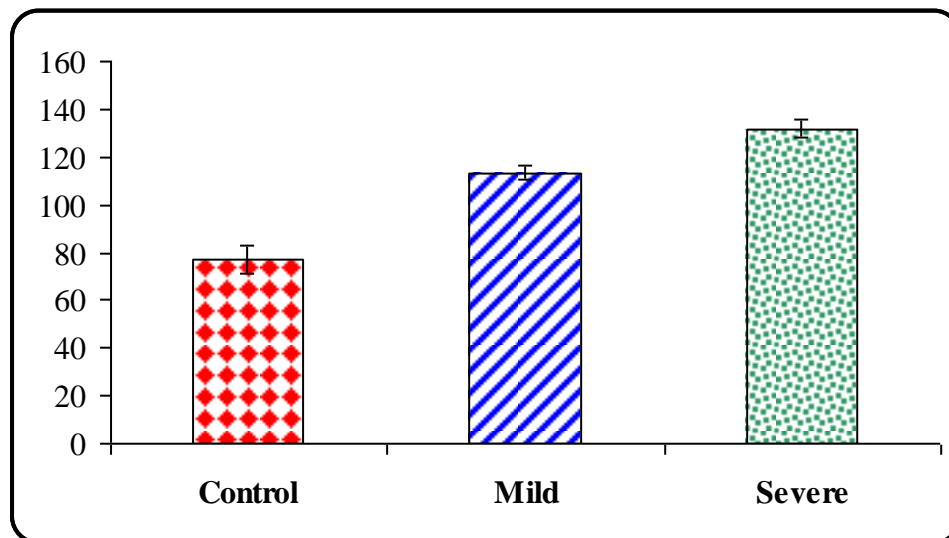


Figure (12): Demographic parameters of control and pre-eclamptic groups as regard mean arterial blood pressure.

Table (٨): Demographic parameters of control and pre-eclamptic groups as regard CRP.

	CRP (mg/L)				ANOVA	
	Range	Mean	±	SD	f	P-value
Control	1.00-12.00	2.366	±	2.194	521.692	<0.001*
Mild	7.00-29.00	19.492	±	4.047		
Severe	17.90-37.00	26.536	±	4.820		

* Significant at P-value<0.05; CRP: C-Reactive protein.

Table (٨) show that:

There was statistically significant difference between three group.

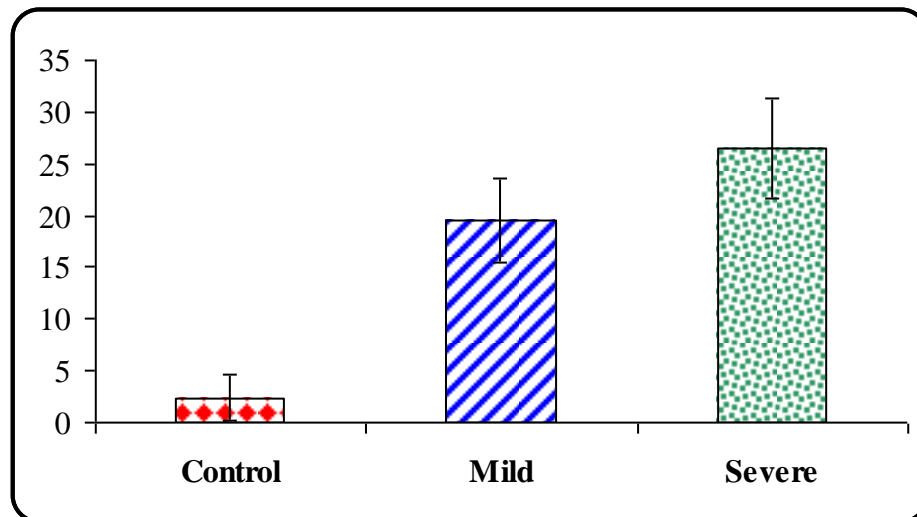


Figure (13): Demographic parameters of control and pre-eclamptic groups as regard CRP.

Table (9): Relation between degree of protinuria and CRP in preeclamptic groups.

Alb. In patients groups	CRP			ANOVA	
	Range	Mean	\pm SD	f	P-value
+	7.000-21.000	17.063	\pm 3.136	97.051	<0.001*
++	17.900-29.000	22.173	\pm 2.317		
+++	23.000-37.000	28.108	\pm 3.984		

Alb: Albumin

There were a significant difference between Albumin and CRP.

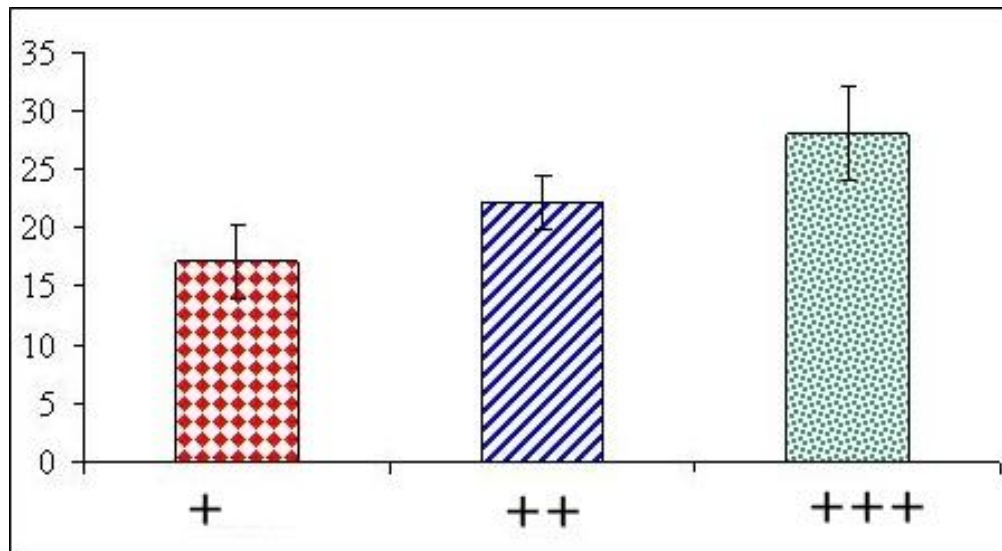


Figure (14): Relation between degree of protinuria and CRP in preeclamptic groups.

Table (10): Correlation matrix between CRP and clinical and laboratory data in preeclamptic groups.

Correlation in patients group	CRP	
	r	P-value
GA	-0.040	0.693
Systolic blood pressure	0.577	<0.001*
Diastolic blood pressure	0.639	<0.001*
MAP (mmHg)	0.647	<0.001*
Proteinuria	0.589	<0.001*
AST	0.417	<0.001*
ALT	0.324	0.001*
Platelets	-0.051	0.615
PT	0.246	0.013*
PTT	0.024	0.814

GA: gestational age;

AST: Aspartate Transaminase;

ALT: Alanine Transaminase;

MAP: mean arterial blood pressure;

PT: Prothrombine time;

PTT: Partial thromboplastin time.

There were no significant correlation between CRP and GA (r=0.040; p = 0.693).

There were positive significant correlation between CRP and SBP, DBP, MAP, proteinuria (P < 0.001).

There were positive significant correlation between CRP and AST, ALT (r=0.41, 0.324; p < 0.001).