

Table (1): Characteristics of the study population

Age (years)	Range	20-35
	Mean $\pm$ SD	28.6 $\pm$ 4.2
Gestational age (weeks)	Range	32-40
	Mean $\pm$ SD	34.2 $\pm$ 1.6
Body mass index(kg/m ²)	Mean $\pm$ SD	24.1 $\pm$ 1.4
Parity	P0	22(22.00%)
	P1	28(28.00%)
	P2	28(28.00%)
	P3	20(20.00%)
	P4	2(2.00%)

Table (2): Doppler indices of Umbilical Artery in the study population

UA_PI	Range	0.4-1.9
	Mean $\pm$ SD	0.8 $\pm$ 0.2
UA_RI	Range	0.3-1.8
	Mean $\pm$ SD	0.7 $\pm$ 0.1
UA_S/D ratio	Range	1.6-4.1
	Mean $\pm$ SD	3.1 $\pm$ 1.3

PI Pulsatility index

RI Resistance index

S/D ratio Systolic/Diastolic ratio

Table (3): Doppler indices of Middle Cerebral Artery in the study population

MCA_PI	Range	0.5-2.67
	Mean $\pm$ SD	1.2 $\pm$ 0.5
MCA_RI	Range	0.4-1.7
	Mean $\pm$ SD	0.7 $\pm$ 0.1
MCA_S/D ratio	Range	1.4-7.8
	Mean $\pm$ SD	5.4 $\pm$ 2.7

PI Pulsatility index

RI Resistance index

S/D ratio Systolic/Diastolic ratio

Table (4): Cerebro-placental Ratio (CPR) in the study population

MCA_PI	Range	0.5-2.6
	Mean $\pm$SD	1.2 $\pm$ 0.5
UA_PI	Range	0.4-1.9
	Mean $\pm$SD	0.8 $\pm$ 0.2
CPR	Range	0.6-3.1
	Mean $\pm$SD	1.6 $\pm$ 0.6
CPR	Normal (more than 1)	84(84.00%)
	Low (less than 1)	16(16.00%)

CPR Cerebroplacental Ratio

Table (5): The correlation between Doppler ultrasound indices included women and CPR.

UA-PI	CPR		T-Test	
	Normal (1.0)	Low (<1.0)	t	P-value
Range	0.4-1.91	0.7-1.5	-2.797	0.006*
Mean $\pm$SD	0.767 $\pm$ 0.278	0.978 $\pm$ 0.259		

Table (6): The correlation between CPR and patients characteristics and Doppler indices

	Correlations	
	CPR	
	r	P-value
Age	0.078	0.501
SBP	-0.132	0.326
DBP	-0.166	0.131
MAP	-0.147	0.145
GA	0.303	0.053*
UA_PI	-0.336	0.001*
Apgar	0.231	0.021*
PH	0.086	0.396