

Table 4: Mean comparison of Doppler characteristics according to trimesters and diabetes status.

Doppler Characteristics	Diabetes according to trimester			
	Diabetic N=26	Non-diabetic N=16	Diabetic N = 67	Non-diabetic N=77
	2 nd Trimester	2 nd Trimester	3 rd Trimester	3 Trimester
	Mean ± SD	Mean ± SD	Mean ± SD	Mean ± SD
PSV	32.32 ± 6.16	35.52 ± 7.25	38.8 ± 7.33	38.45 ± 6.93
P-Value	0.000		0.405	
EDV	9.58 ± 3.07	14.16 ± 4.07	13.13 ± 3.68	15.6 ± 3.51
P-Value	0.000		0.000	
S/D Ratio	3.57 ± 0.77	2.72 ± 0.52	2.94 ± 0.76	2.50 ± 0.36
P-Value	0.000		0.000	
RI	1.37 ± 0.74	0.98 ± 0.17	1.06 ± 0.22	0.89 ± 0.16
P-Value	0.000		0.000	
PI	0.72 ± 0.12	0.61 ± 0.06	0.66 ± 0.07	0.59 ± 0.06
P-Value	0.000		0.000	
Placental Thickness	3.99 ± 0.39	3.32 ± 0.45	4.04 ± 0.41	3.55 ± 0.46
P-Value	0.000		0.000	

Table 5: Mean comparison of Doppler parameters between placental grading

Placental Grading		Placental thickness	PSV	EDV	S/D Ratio	RI	PI
1 N=88	Mean ± SD	3.69 ± 0.51	36.6 ± 7.10	13.83 ± 4.36	2.82 ± 0.68	1.01 ± 0.26	0.62 ± 0.08
2 N=85	Mean ± SD	3.81 ± 0.51	37.87 ± 7.47	13.82 ± 3.69	2.86 ± 0.68	1.02 ± 0.44	0.64 ± 0.09
3 N=13	Mean ± SD	4.05 ± 0.22	40.87 ± 7.00	12.83 ± 4.63	2.71± 0.90	1.14 ± 0.31	0.68 ± 0.10

Figure No. 1 (A) Line Chart between Estimated Marginal Means of PSV and Disease status and (B) Line Chart between Estimated Marginal Mean of EDV and Disease status

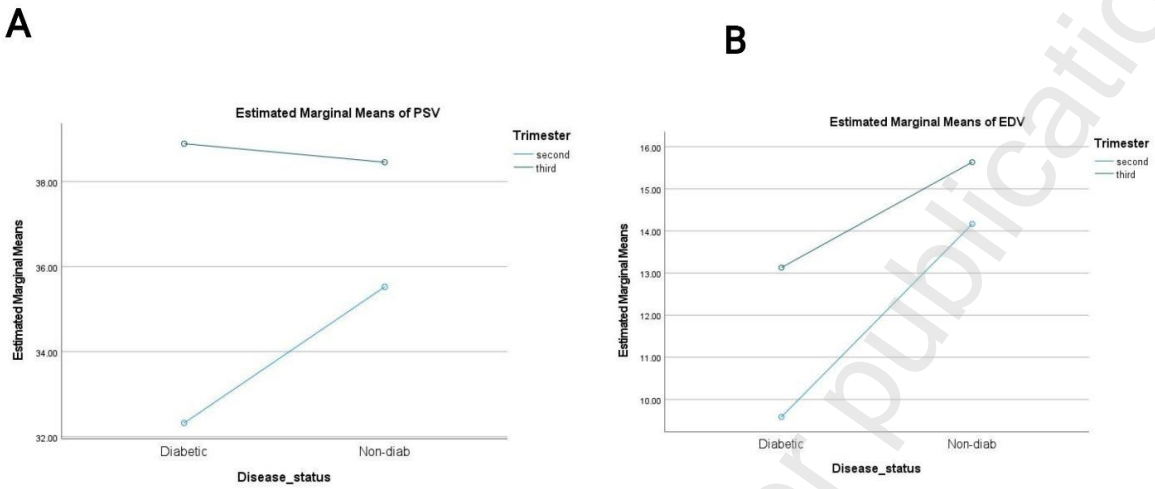


Figure No. 2 (A) Line Chart between Estimated Marginal Mean of S/D Ratio and Disease status, (B) Line Chart between Estimated Marginal Mean of PI and Disease status, (C) Line Chart between Estimated Marginal Mean of RI and Disease status and (D) Line Chart between Estimated Marginal Mean of Placental Thickness and Disease status

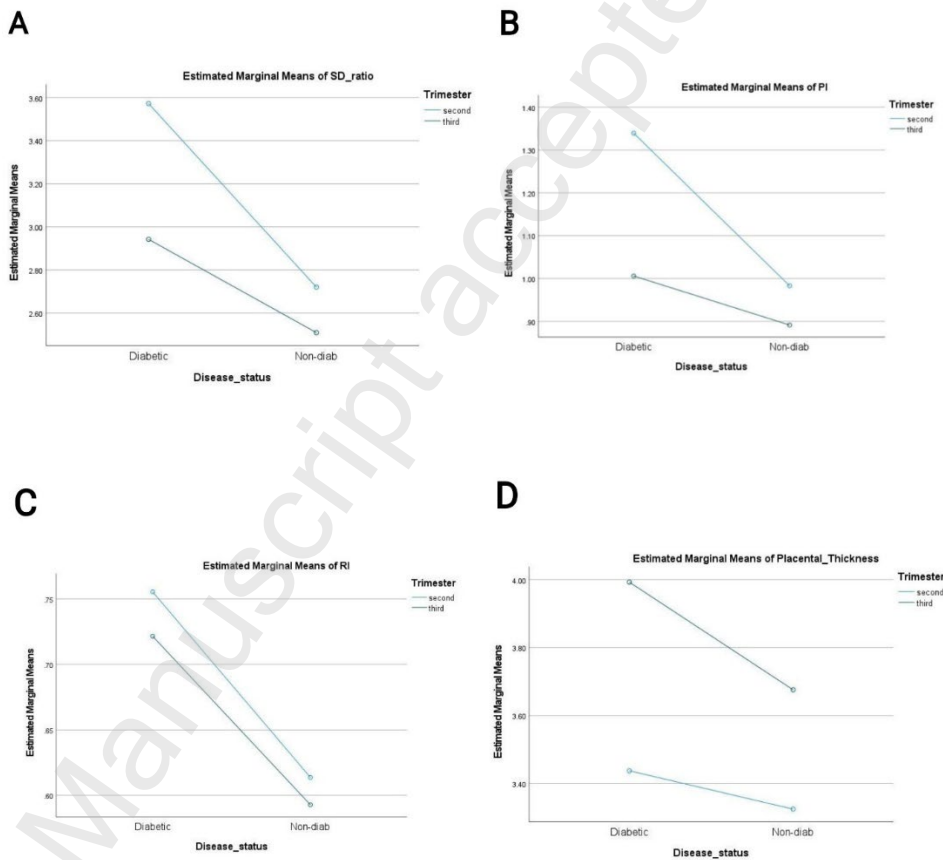


Figure No. 3: Shows Doppler indices of umbilical artery of diabetic pregnant woman with gestational age of 30 week 0day.

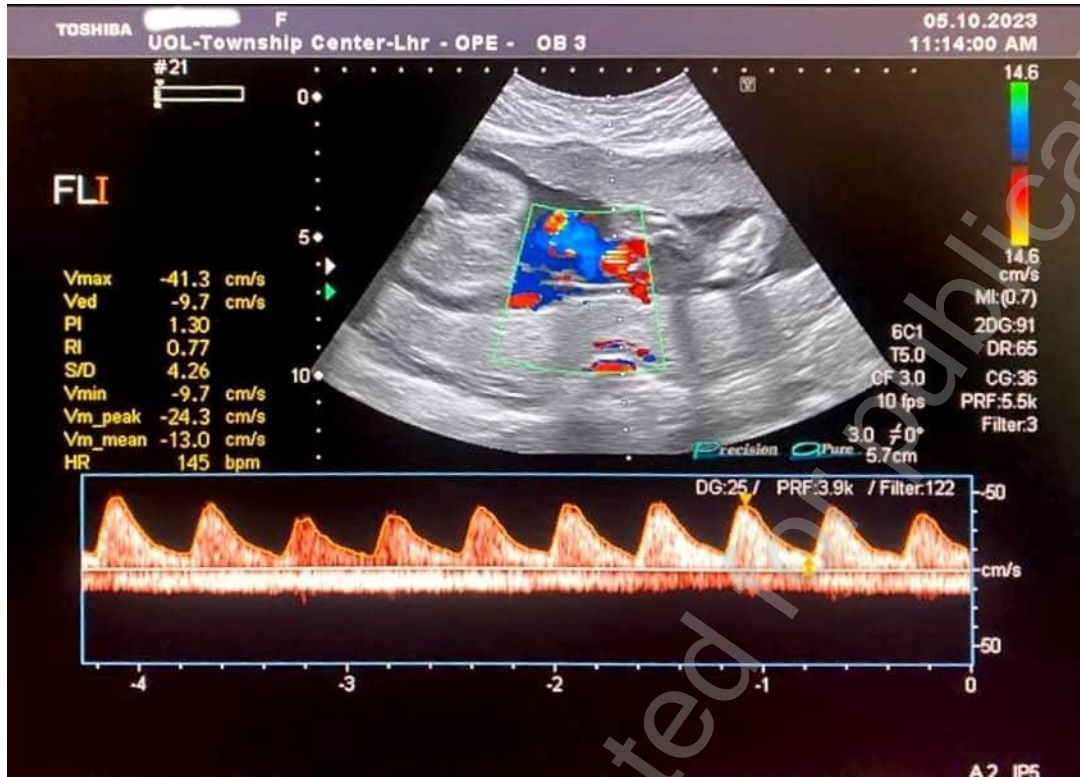


Figure No. 4: Shows Doppler indices of umbilical artery of diabetic pregnant woman with gestational age of 35 week 6day.

