

**Table (1): Comparison between the studied groups regarding maternal history and birthweight of babies**

Item		Group (I) (n = 30)		Group (II) (n = 30)		P-value
		N	%	N	%	
<b>DM type</b>	Gestational	10	33.3%	19	63.3%	0.02*
	Known diabetes	20	66.7%	11	36.7%	
<b>Treatment used</b>	Insulin	5	16.7%	11	36.7%	0.08
	Oral	25	83.3%	19	63.3%	
<b>History of Hypertension</b>	Absent	29	96.7%	30	100.0%	1.00
	Present	1	3.3%	0	0.0%	
<b>History of cardiac diseases</b>	Absent	29	96.7%	30	100.0%	1.00
	Present	1	3.3%	0	0.0%	
<b>Weight (gm)</b>	Mean± SD	2.600± 431.1		2899.4± 812.1		0.001**
	Range	2.600- 4.500		2.350– 3.500		

\*Significant, \*\* highly significant

**Table (2): Echocardiographic findings in infants in group I (IDM)**

Item		Group (I) IDM (N = 30)	
		N	%
<b>PDA</b>		14	46.7%
<b>PFO</b>		12	40.0%
<b>HCMP</b>		9	30.0%
<b>VSD</b>		6	20.0%
<b>ASD</b>		6	20.0%
<b>Tricuspid regurgitation</b>	Mild	16	53.3%
	Moderate	8	26.7%
	Severe	6	20.0%
<b>Mitral Regurgitation</b>		1	3.3%

PDA: Patent ductus arteriosus, PFO: Patent foramen ovale, HCMP: Hypertrophic cardiomyopathy, ASD: Atrial septal defect, VSD: Ventricular septal defect, PASP: pulmonary artery systolic pressure

**Table (3): Relation between glycemic control and echocardiographic findings in group I**

Item	Group I (Infants of Diabetic Mothers )				P-value	
	Controlled DM (N = 14)		Uncontrolled DM (N = 16)			
	N	%	N	%		
<b>PDA</b>	No	4	28.6%	12	75.0%	0.011*
	Yes	10	71.4%	4	25.0%	
<b>PFO</b>	No	7	50%	11	68.5%	0.143
	Yes	7	50%	5	31.5%	
<b>HCMP</b>	No	12	85.7%	9	56.2 %	0.007*
	Yes	2	14.3%	7	43.5%	
<b>VSD</b>	No	14	100.0%	10	62.5%	0.010
	Yes	0	0.0%	6	37.5%	
<b>ASD</b>	No	12	85.7%	12	75.0%	0.464
	Yes	2	14.3%	4	25.0%	
<b>Tricuspid regurge</b>	No	0	0.0%	0	0.0%	0.003**
	Mild	12	85.7%	4	25.0%	
	Moderate	2	14.3%	6	37.5%	
	Severe	0	0.0%	6	37.5%	
<b>Mitral regurge</b>	No	14	100.0%	15	93.8%	0.341
	Yes	0	0.0%	1	6.2%	
<b>PASP</b>	Mean± SD	35.79 ± 8.48		61.31± 15.68		0.001**
	Median (IQR)	34.0 (30.0- 42.0)		56.5 (49.5– 72.5)		
	Range	23.0- 50.0		40.0- 91.0		

\*Significant, \*\* highly significant, SD= standard deviation, IQR= Interquartile range, PDA: Patent ductus arteriosus, PFO: Patent foramen ovale, HCMP: Hypertrophic cardiomyopathy, ASD: Atrial septal defect, VSD: Ventricular septal defect, PASP: pulmonary artery systolic pressure

**Table (4): Comparison between the studied groups regarding complications and mortality**

Item	Group (I) Infants of DM (N = 30)		Group (II) Controls (N = 30)		P-value	
	N	%	N	%		
	<b>Macrosomia</b>	25	83.3%	20		66.7%
<b>Birth injury</b>	<b>Shoulder dystocia</b>	1	3.3%	0	0.0%	1.00
	<b>Brachial plexus injury</b>	2	6.7%	0	0.0%	0.492
	<b>Fracture clavicle</b>	1	3.3%	0	0.0%	1.00
	<b>Cephalohematoma</b>	1	3.3%	0	0.0%	1.00
<b>Hypoglycemia</b>	21	70.0%	15	50.0%	0.114	
<b>Small for gestational age</b>	5	16.7%	0	0.0%	0.052	
<b>Hypocalcemia</b>	20	66.7%	0	0.0%	0.001**	
<b>Polycythemia</b>	4	13.3%	0	0.0%	0.112	
<b>Mortality</b>	1	3.3%	0	0.0%	1.00	

\*Significant, \*\* highly significant