

Tables

Table 1. Participant characteristics of pregnant women with gestational diabetes mellitus and normal glucose tolerance

	PwGDM (n=18)	PwNGT (n=22)	P-value
†Age (years)	37 (33-39)	34 (29-37)	0.148
†Height (cm)	1.58 (1.56-1.63)	1.59 (1.56-1.61)	0.976
‡Primiparous women (%)	50.0	68.1	0.47
‡Family history of diabetes (%)	38.8	36.3	1.00
†Pre-pregnancy weight (kg)	60.0 (53.3-64.0)	52.0 (46.8-61.6)	0.047
†Pre-delivery weight (kg)	65.0 (59.6-67.8)	61.5 (57.1-69.0)	0.29
†Pre-pregnancy BMI (kg/m ²)	24.2 (20.4-25.9)	20.3 (19.5-22.9)	0.066
†Total weight gain during pregnancy (kg)	5.1 (3.6-6.5)	9.4 (7.4-10.9)	0.0075
†Body temperature on admission (°C)	36.7 (36.5-36.9)	36.7 (36.5-36.9)	0.91
†Time of first labor stage (minutes)	380 (280-490)	420 (210-617)	0.72

†Time of second labor stage (minutes)	52 (20-185)	70 (26-120)	0.76
†Total time of labor (minutes)	400 (291-602)	628 (237-780)	0.61
†Gestational age at delivery (weeks)	39 (37-40)	39 (38-40)	0.47
Mode of delivery			
† Bishop score (effacement) upon device installation (%)	60 (50-70)	60 (50-70)	0.42
† Bishop score (station) upon device installation	-2 (-3-(-1))	-3 (-3-(-2))	0.29
† Bishop score (dilatation) upon device installation (cm)	3 (3-4)	3 (3-4)	0.98
Method for vaginal delivery			
‡Vacuum extraction (%)	33.3	9.1.	0.11
‡Use of epidural anesthesia, Painless childbirth (%)	22.7	27.2.	1.00
‡Induction of labor using oxytocin (%)	61.1	54.5	0.75

Newborn characteristics

†Newborn birth weight (g)	2948 (2806-3322)	2952 (2762-3284)	0.71
†Newborn height (cm)	50.0 (49.0-52.0)	50.0 (49.0-52.0)	0.73
†Newborn chest measurement (cm)	32.0 (30.0-33.0)	31.0 (30.5-32.0)	0.17
‡Prenatal and neonatal complications (%)	27.8	9.1	0.21
†Umbilical cord blood gas measurements (pH)	7.31 (7.30-7.34)	7.31 (7.29-7.34)	0.79
†Neonatal blood sugar level on first measurement following birth (mg/dL)	55 (41-75)	73 (66-81)	0.018

Results are given as median (range) or number (%).

† Mann-Whitney U test, ‡Fisher's exact test

Abbreviations: PwGDM: Pregnant women with gestational diabetes mellitus during

labor; PwNGT: pregnant women with normal glucose tolerance; BMI: body mass index

Table 2. Insulin treatment for two pregnant women with gestational diabetes mellitus during labor

Patient number	Before Period 1	Insulin units given before Period 1	Period 1 (time)	Glucose levels First Time (mg/dL)	Insulin units	Glucose levels Second Time (mg/dL)	Insulin units	Glucose levels Third time (mg/dL)	Insulin units	Period 2 (time)	Insulin units
1	3:45	4	3:35	85	0	-	-	-	-	0:31	0
2	4:00	10	5:00	84	0	-	-	96	0	0:52	0