

Table 1A: Baseline characteristics by tertiles of fasting and postprandial capillary glucose levels during treatment

	Fasting				Postprandial			
	tertile 1 N=240	tertile 2 N=246	tertile 3 N=240	P value	tertile 1 N=238	tertile 2 N=248	tertile 3 N=238	P value
Age (SD)	33.6±5.3	33.7±5.1	32.5±5.3	0.03	33.6±5.0	34.2±5.3	32.0±5.3	<0.001
BMI (kg/m ²)								
< 20 weeks' gestation (n=724)	29.2±7.1	32.5±7.6	34.9±7.6	<0.001	31.5±7.9	31.8±7.8	33.4±7.7	0.02
At recruitment	31.8±6.9	35.1±8.0	37.6±7.4	<0.001	34.4±8.3	34.3±7.5	35.9±7.6	0.04
BMI range (kg/m ²)								
<25	71 (29.6)	37 (15.1)	22 (9.2)	<0.001	47 (19.7)	49 (19.8)	34 (14.3)	0.06
25-29	78 (32.5)	64 (26.0)	39 (16.2)		68 (28.6)	63 (25.4)	50 (21.0)	
≥30	91 (37.9)	145 (58.9)	179 (74.6)		123 (51.7)	136 (54.8)	154 (64.7)	
BMI –adjusted for ethnicity*								
Normal	51 (21.3)	28 (11.4)	20 (8.3)	<0.001	35 (14.7)	36 (14.5)	28 (11.8)	0.04
Overweight	96 (40.0)	67 (27.2)	46 (19.2)		79 (33.2)	76 (30.7)	54 (22.7)	
Obese	93 (38.7)	151 (61.4)	174 (72.5)		124 (52.1)	136 (54.8)	156 (65.5)	
Gestation at recruitment	30.8±2.8	30.0±3.4	29.5±3.4	<0.001	30.5±2.9	30.2±3.3	29.6±3.5	0.01
Ethnicity (self-reported)								
European/Caucasian	107 (44.6)	138 (56.1)	96 (40.0)	<0.001	109 (45.8)	132 (53.2)	99 (41.6)	<0.001
Polynesian	25 (10.4)	34 (13.8)	95 (39.6)		38 (16.0)	41 (16.5)	75 (31.5)	

Indian	55 (22.9)	25 (10.2)	13 (5.4)		45 (18.9)	25 (10.1)	23 (9.7)	
Chinese and other SE Asian	38 (15.8)	31 (12.6)	15 (6.3)		32 (13.4)	31 (12.5)	21 (8.8)	
Other or mixed	15 (6.3)	18 (7.3)	21 (8.7)		14 (5.9)	19 (7.7)	20 (8.4)	
Tertiary education	136 (56.7)	113 (45.9)	72 (30.0)	<0.001	123 (51.7)	120 (48.4)	78 (32.8)	<0.001
Smoking in pregnancy	26 (10.8)	37 (15.0)	57 (23.8)	<0.001	26 (10.9)	39 (15.7)	53 (22.3)	0.004
Chronic hypertension	19 (7.9)	20 (8.1)	19 (7.9)	1.0	17 (7.1)	20 (8.1)	21 (8.8)	0.8
Nulliparity (no pregnancy beyond 20 weeks')	95 (39.6)	82 (33.3)	54 (22.5)	<0.001	85 (35.7)	79 (31.9)	66 (27.7)	0.17
Past Obstetric history								
≥ 3 terminations/miscarriage	11 (4.6)	10 (4.1)	20 (8.3)	0.09	7 (2.9)	13 (5.2)	21 (8.8)	0.02
GDM	45 (18.8)	53 (21.5)	74 (30.8)	0.01	53 (22.3)	54 (21.8)	65 (27.3)	0.29
Preeclampsia	11 (4.6)	17 (6.9)	26 (10.8)	0.03	14 (5.9)	14 (5.7)	26 (10.9)	0.05
Gestational hypertension	16 (6.7)	16 (6.5)	28 (11.7)	0.07	15 (6.3)	14 (5.7)	31 (13.0)	0.005
Baby >4000g	30 (12.5)	55 (22.4)	76 (31.7)	<0.001	44 (18.5)	54 (21.8)	62 (26.1)	0.14
Cesarean delivery	47 (19.6)	55 (22.4)	66 (27.5)	0.11	55 (23.1)	63 (25.4)	49 (20.6)	0.45
Delivery <37 wks	28 (11.7)	28 (11.4)	32 (13.3)	0.78	24 (10.1)	27 (10.9)	36 (15.1)	0.19
Congenital anomaly	6 (2.5)	13 (5.3)	8 (3.3)	0.25	7 (2.9)	10 (4.0)	10 (4.2)	0.73
Maternal family history (1 st degree)								
Diabetes	114 (47.5)	108 (43.9)	117 (48.8)	0.54	106 (44.5)	118 (47.6)	113 (47.5)	0.75
Hypertension	98 (40.8)	94 (38.2)	90 (37.5)	0.73	99 (41.6)	96 (38.7)	86 (36.1)	0.47

Preeclampsia	18 (7.5)	30 (12.2)	19 (7.9)	0.140	26 (10.9)	22 (8.9)	19 (8.0)	0.52
Blood pressure (mmHg) at recruitment								
Systolic	110.8±13.5	113.9±12.1	115.2±12.6	<0.001	112.1±13.0	112.9±12.6	114.8±13.0	0.07
Diastolic	67.2±9.5	68.6±9.0	69.7±9.0	0.02	68.0±9.1	67.9±8.7	69.6±9.8	0.08
75g OGTT result (mmol)								
Fasting plasma glucose (n=651)	5.3±1.0	5.6±1.0	6.2±1.3	<0.001	5.5±0.9	5.5±0.9	6.2±1.4	<0.001
2-hour plasma glucose (n=639)	9.8±1.9	9.4±1.9	9.4±2.4	0.11	9.2±1.8	9.2±1.8	10.2±2.4	<0.001
HbA1c (%) (n=664)	5.6±0.6	5.7±0.7	6.0±0.8	<0.001	5.7±0.6	5.6±0.6	6.0±0.8	<0.001
Treatment								
Metformin	106 (44.2)	120 (48.8)	131 (54.6)	0.07	120 (50.4)	125 (50.4)	110 (46.2)	0.57
Insulin	134 (55.8)	126 (51.2)	109 (45.4)		118 (49.6)	123 (49.6)	128 (53.8)	

*BMI adjusted for ethnicity; Overweight: Polynesian ≥ 26-32, European ≥ 25-30, Indo-Asian > 23-27.5 kg/m². Obese: Polynesian >32, European >30, Indo-Asian >27.5 kg/m²