

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Rowan JA, Hague WM, Gao W, et al. Metformin versus insulin for the treatment of gestational diabetes. *N Engl J Med* 2008;358:2003-15.

Table: Baseline maternal characteristics and primary outcome in women treated with metformin alone compared with women requiring supplemental insulin

	Metformin alone N=195	Supplemental insulin N=168	P value
Baseline maternal characteristics			
BMI (kg/m ²)			
Early pregnancy *	31.1 ± 7.8	33.6 ± 8.6	0.01
At enrollment	33.7 ± 7.1	36.7 ± 9.3	<0.001
Race or ethnic group – no (%)			
European/Caucasian	102 (52.3)	73 (43.4)	0.09
Polynesian (Pacific Islander, Maori)	23 (11.8)	50 (29.8)	<0.001
Indian	23 (11.8)	15 (8.9)	0.37
Chinese/other SE Asian	33 (16.9)	16 (9.5)	0.04
Other/mixed	14 (7.2)	14 (8.3)	0.68
Nulliparous – no (%)	75 (38.5)	40 (23.8)	0.003
Past Obstetric history – no (%) †			
Gestational diabetes mellitus	38 (19.5)	56 (33.3)	0.009
≥3 terminations or miscarriages	27 (13.8)	57 (33.9)	<0.001
Maternal family history of diabetes – no (%)	74 (38.0)	88 (52.4)	0.006
75 g OGTT: fasting glucose (mg/dl) ‡	95.4 ± 14.4	109.8 ± 19.8	<0.001
Enrollment fasting glucose (mg/dl) §	90.0 ± 10.8	104.4 ± 19.8	<0.001
Enrollment HbA1c (%)	5.6 ± 0.6	5.9 ± 0.7	<0.001
Primary outcome composite – no (%)	58 (29.7)	58 (34.5)	0.33
Recurrent glucose level <46.8 mg/dl	28 (14.4)	27 (16.1)	0.65
Respiratory distress	7 (3.4)	5 (3.0)	0.74
Phototherapy	15 (7.7)	14 (8.3)	0.82
Birth trauma	10 (5.1)	6 (3.6)	0.47
Apgar <7 at 5 min	2 (1.0)	1 (0.6)	1.0
Prematurity <37 weeks	24 (12.3)	20 (11.9)	0.91

* Early pregnancy BMI is based on 158 in metformin alone group and 123 in supplemental insulin group

† There were 147 previous pregnancies in metformin alone group and 139 in supplemental insulin group

‡ To convert values for glucose to mmol/l divide by 18. Fasting OGTT results are based on 173 in metformin alone group and 148 in supplemental insulin group

§ Enrollment fasting glucose based on 174 in metformin alone group and 150 in supplemental insulin group

|| Enrollment HbA1c based on 185 in metformin alone group and 160 in supplemental insulin group