Online Resource 1 (ESM_1)

Article title: Prepregnancy Body Mass Index and Serum C-Peptide as Complementary Predictors of Insulin Requirement in Gestational Diabetes Mellitus: A Retrospective Cohort Study

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Online Resource 1 (Supplementary Table S1). Sensitivity analyses for the association of prepregnancy BMI and C-peptide with insulin requirement

Analysis	n (events)	Prepregnancy BMI aOR (95% CI)	*P*	C-peptide aOR per halving (95% CI)	*P*
Main analysis, Model 1	110 (45)	1.12 (1.02–1.23)	0.016	–	
Main analysis, Model 2	110 (45)	1.18 (1.06–1.31)	0.002	3.42 (1.67–6.97)	<0.001
Parsimonious model (BMI + C-peptide)	110 (45)	1.18 (1.07–1.30)	<0.001	2.91 (1.63–5.19)	<0.001
Excluding overt-diabetes range[a], Model 1	100 (37)	1.13 (1.03–1.24)	0.013	–	
Excluding overt-diabetes range[a], Model 2	100 (37)	1.18 (1.07–1.32)	0.002	3.28 (1.61–6.67)	0.001
First visit ≤28 weeks, Model 1[b]	50 (22)	1.21 (1.04–1.41)	0.016	–	
First visit ≤28 weeks, Model 2[b]	50 (22)	1.30 (1.08–1.58)	0.007	5.04 (1.17–21.76)	0.030
First visit >28 weeks, Model 1[b]	60 (23)	1.12 (0.98–1.29)	0.101	–	
First visit >28 weeks, Model 2[b]	60 (23)	1.21 (1.03–1.41)	0.017	4.49 (1.62–12.45)	0.004
Model 2 + weight gain until first visit	110 (45)	1.17 (1.06–1.31)	0.003	3.41 (1.66–7.02)	<0.001
Model 2 + family history + parity	110 (45)	1.18 (1.06–1.31)	0.002	3.42 (1.67–6.99)	<0.001

Model 1: age, prepregnancy BMI, fasting and 1-h OGTT glucose, HbA1c, first visit >28 weeks. Model 2: Model 1 plus $\log_2$ C-peptide. [a] Excluding women with fasting OGTT glucose ≥126 mg/dL or HbA1c ≥6.5% (48 mmol/mol). [b] Models without the referral-timing term. aOR, adjusted odds ratio; BMI, body mass index; CI, confidence interval; IADPSG, International Association of Diabetes and Pregnancy Study Groups; OGTT, oral glucose tolerance test.