

SUPPLEMENTARY DATA

Supplementary Table 1. Cross-sectionals correlations between adiponectin levels at 1st or 2nd trimester and characteristics of participants.

Characteristics at 1st trimester	Correlations with adiponectin levels at 1st trimester	
	r	<i>P</i> value
Age (years)	-0.01	0.91
WC (cm)	-0.24	<0.0001
BMI (kg/m ²)	-0.30	<0.0001
BFP (%)	-0.28	<0.0001
Physical activity (kcal/kg/day)	0.04	0.43
Characteristics at 2nd trimester	Correlations with adiponectin levels at 2nd trimester	
	r	<i>P</i> value
BMI (kg/m ²)	-0.26	<0.0001
BFP (%)	-0.23	<0.0001
Physical activity (kcal/kg/day)	-0.03	0.57
Triglycerides (mmol/L)	-0.28	<0.0001
HDL-Cholesterol (mmol/L)	0.33	<0.0001
LDL-Cholesterol (mmol/L)	0.11	0.02
Total cholesterol (mmol/L)	0.10	0.03

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Supplementary Table 2. Glycemic regulation of pregnant women with normal glucose tolerance (NGT) and pregnant women who developed gestational diabetes mellitus (GDM).

	NGT	GDM	P value*
n	407	38	
1st trimester			
Glucose post 50g (mmol/L)	5.4 ± 1.2	6.8 ± 1.1	<0.0001
HbA _{1c} (%)	5.2 ± 0.3	5.4 ± 0.3	0.001
2nd trimester			
HbA _{1c} (%)	5.0 ± 0.3	5.2 ± 0.4	0.001
Fasting insulin (μU/ml)	7.43 [5.22-9.95]	8.67 [6.43-15.99]	0.006
1-h insulin (μU/ml)	51.43 [38.05-68.43]	57.92 [40.31-85.97]	0.049
2-h insulin (μU/ml)	41.79 [27.63-59.83]	54.91 [42.50-96.69]	0.0002
AUC insulin	4611.08 [3434.28-6183.06]	5649.49 [4069.57-8420.63]	0.005
Fasting glucose (mmol/L)	4.1 [3.9-4.4]	4.7 [4.1-5.1]	<0.0001
1-h glucose (mmol/L)	6.9 ± 1.3	9.9 ± 1.7	<0.0001
2-h glucose (mmol/L)	5.6 ± 1.1	8.3 ± 1.5	<0.0001
AUC glucose	707.6 ± 103.7	987.8 ± 118.2	<0.0001
HOMA-IR	1.4 [0.9-1.9]	1.7 [1.2-3.4]	0.0002
HOMA-B	225.7 [153.3-355.5]	181.7 [126.0-234.1]	0.01
Matsuda index	7.5 [5.6-10.4]	5.3 [3.3-7.2]	<0.0001
Total AUC _{ins/gluc}	6.5 [5.1-8.6]	5.4 [4.4-8.5]	0.11
ISSI-2	864.4 [681.8-1119.1]	493.5 [403.4-583.2]	<0.0001

Data are presented as mean ± SD or median (interquartile range). Variables not normally distributed were log-transformed. *Independent *t* test for continuous variables. For HbA_{1c} at 2nd trimester: n = 405 for NGT and 38 for GDM. For 1-h insulin, AUC insulin, Matsuda index, total AUC_{ins/gluc} and ISSI-2: n = 406 for NGT and 38 for GDM.