

SUPPLEMENTARY DATA

Supplementary Table 1. Comparisons of individual AT compartments (cm³) in GDM and control infants.

	GDM n=42	Control n=44	<i>p</i> value (GDM v control)
Assessment 1			
abdominal superficial subcutaneous AT	145 (36)	142 (48)	0.79
non-abdominal superficial subcutaneous AT*	649 (85)	671 (110)	0.50
abdominal deep subcutaneous AT	15 (6)	14 (7)	0.49
non-abdominal deep subcutaneous AT*	16 (12)	16 (15)	0.76
internal abdominal AT*	39 (14)	40 (16)	0.80
non-abdominal internal AT*	78 (13)	79 (12)	0.92
Assessment 2			
	n=38	n=35	
abdominal superficial subcutaneous AT	397 (102)	328 (103)	0.005
non-abdominal superficial subcutaneous AT	1456 (273)	1319 (296)	0.04
abdominal deep subcutaneous AT*	43 (18)	39 (18)	0.32
non-abdominal deep subcutaneous AT†	29 [22, 33]	25 [21, 27]	0.02
internal abdominal AT	84 (24)	74 (27)	0.09
non-abdominal internal AT	172 (41)	150 (39)	0.02

Data are mean (SD) with *p* value obtained by independent samples *t* test, except where * denotes geometric mean (SD) with *p* value obtained by independent samples *t* test following log-transformation, † denotes median [IQR] with *p* value obtained by Mann-Whitney U test.

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Supplementary Table 2. Adjusted % differences in AT compartments for GDM compared to control infants

Outcomes	Model 1			Model 2		
	% diff	95% CI	<i>p</i> value	% diff	95% CI	<i>p</i> value
Assessment 1						
abdominal superficial subcutaneous AT	9.6	-0.9, 21.3	0.08	5.4	-5.8, 18.0	0.35
non-abdominal superficial subcutaneous AT	5.4	-3.0, 14.3	0.21	4.2	-4.9, 14.3	0.38
abdominal deep subcutaneous AT	19.4	-2.1, 45.9	0.08	26.2	1.2, 57.4	0.04
non-abdominal deep subcutaneous AT	6.7	-6.5, 21.6	0.34	5.4	-9.2, 22.5	0.48
internal abdominal AT*	-	-	0.53			
non-abdominal internal AT	8.1	-3.4, 21.3	0.17	11.7	-1.6, 27.1	0.09
Assessment 2						
abdominal superficial subcutaneous AT	23.6	9.6, 39.3	0.001	16.9	1.9, 34.0	0.03
non-abdominal superficial subcutaneous AT	16.9	5.7, 28.8	0.003	14.0	1.6, 27.6	0.03
abdominal deep subcutaneous AT	16.1	-3.8, 40.3	0.12	23.6	-0.7, 53.5	0.06
non-abdominal deep subcutaneous AT*	-	-	0.003			
internal abdominal AT	18.0	1.2, 38.0	0.04	15.1	-4.1, 38.0	0.13
non-abdominal internal AT	21.1	6.4, 37.7	0.004	23.9	6.4, 44.2	0.006

Model 1: adjustment of AT compartments for body size using indices (18). Model 2: as model 1 plus adjustment for infant sex and maternal pre-pregnancy BMI. * denotes non-normal distribution with *p* value for model 1 calculated by independent samples Mann-Whitney U test