

Supplementary Table 1: Comparison of fetal biometry and neonates' BW by gestational age between normal glucose tolerant women and women diagnosed with GDM at 24-28 weeks of gestation grouped into distinct NHS risk categories.

Biometric parameters (percentiles)	Normal glucose tolerant women, N=550 (A)	HR women with GDM, N=67 (B)	MR women with GDM, N=97 (C)	LR women with GDM, N=24 (D)	P value (A vs B)	P value (A vs C)	P value (A vs D)	P value (B vs C)	P value (B vs D)
Anomaly scan (weeks of gestation)	20.6±0.6	20.6 ± 0.5	20.8 ± 0.6	21.0 ± 0.5	0.603	0.399	0.060	0.920	0.231
HC	48.7±21.7	53.9±26.2	53.7±24.3	50.8±25.2	0.101	0.070	0.723	0.883	0.617
BPD	44.8±23.3	51.1±25.2	50.7±26.6	54.1±24.1	0.064	0.011	0.063	0.976	0.471
TCD	49.7±13.9	49.0±13.9	47.2±15.1	51.3±15.0	0.977	0.104	0.704	0.199	0.763
AC	47.1±20.6	63.1±23.7	52.9±24.7	51.4±23.8	<0.001	0.014	0.291	0.008	0.052
FL	43.7±22.4	52.4±23.6	48.5±25.5	49.9±26.1	0.006	0.090	0.325	0.277	0.573
EFW	46.4±20.4	61.5±23.2	52.5±24.3	51.2±23.8	<0.001	0.025	0.481	0.018	0.059
Delivery (weeks of gestation)	39.1±1.5	38.0±1.9	38.0±1.8	38.8±1.6	<0.001	<0.001	0.230	0.674	0.112
BW	41.0±27.1	56.2±27.1	40.7±27.7	36.0±27.4	<0.001	0.571	0.444	<0.001	0.007

Data are expressed as mean ± SD. HR, high-risk; MR, medium risk; LR, low risk; HC, head circumference; BPD, biparietal diameter; TCD, transcerebellar diameter; AC, abdominal circumference; FL, femur length; EFW, estimated fetal weight; BW, birthweight. Differences between groups are compared with the Mann-Whitney test.

Supplementary Table 2. Effects of GDM that was diagnosed at 24-28 weeks of gestation on fetal growth and neonates' BW by gestational age.

Biometric parameters (percentiles)	Normal glucose tolerant women, vs HR women with GDM		Normal glucose tolerant women, vs MR and LR women with GDM		HR women with GDM vs MR and LR women with GDM	
	Beta (95% CI)	P value	Beta (95% CI)	P value	Beta (95% CI)	P value
AC	0.245 (0.161–0.329)	<0.001	0.087 (0.008–0.166)	0.030	-0.078 (-0.229–0.073)	0.310
EFW	0.227 (0.142–0.312)	<0.001	0.094 (0.016–0.172)	0.019	-0.089 (-0.241 – -0.063)	0.250
BW	0.185 (0.100–0.270)	0.003	-0.033 (-0,113–0.047)	0.416	-0.243 (-0,398 – -0.088)	0.002

HR, high risk; MR, medium risk; LR, low risk; AC, abdominal circumference; EFW, estimated fetal weight; BW, birthweight. Maternal age, family history of T2D, parity, previous GDM, and educational status were added as covariates in linear regression analysis.