

Supplementary material

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Table S1. Associations between the continuous glucose monitoring parameters and adverse perinatal outcomes, multivariable models (n - 102).

	Parameter	LGA	Hypoglycemia
		ADJUSTED OR (95% CI)	ADJUSTED OR (95% CI)
I trimester	Mean glucose	1.04 (0.99 - 1.09)	1.03 (0.98 - 1.08)
	TAR	1.05 (0.99 - 1.11)	1.03 (0.97 - 1.09)
	TIR	0.96 (0.90 - 1.02)	0.97 (0.91 - 1.04)
	AUC	1.04 (0.99 - 1.09)	1.03 (0.98 - 1.08)
	AUC over 140 mg/dl	1.05 (0.96 - 1.15)	1.05 (0.96 - 1.16)
	HbA1c	1.61 (0.88 - 2.94)	0.98 (0.52 - 1.84)
	GMI	2.83 (0.76 - 10.52)	2.11 (0.54 - 8.25)
	%CV	0.99 (0.90 - 1.10)	1.07 (0.96 - 1.18)
	MAGE	1.01 (0.98 - 1.04)	1.02 (0.99 - 1.06)
	MODD	1.05 (0.98 - 1.11)	1.08 (1.002 - 1.16)*
	LBGI	0.69 (0.42 - 1.12)	0.85 (0.54 - 1.36)
	HBGI	1.25 (0.80 - 1.95)	1.27 (0.80 - 2.02)
	ADRR	1.02 (0.95 - 1.09)	1.04 (0.97 - 1.12)
	M100	1.01 (0.98 - 1.04)	1.01 (0.98 - 1.04)
	J-index	1.05 (0.96 - 1.14)	1.05 (0.96 - 1.15)
	CONGA 1h	1.17 (0.99 - 1.37)	1.20 (1.01 - 1.42)*
	CONGA 2h	1.08 (0.97 - 1.20)	1.12 (1.00 - 1.27)
	CONGA 3h	1.04 (0.95 - 1.13)	1.09 (0.99 - 1.21)
	CONGA 4h	1.02 (0.95 - 1.11)	1.08 (0.99 - 1.18)
	CONGA 6h	1.02 (0.94 - 1.10)	1.09 (1.00 - 1.19)
GRADE	1.18 (0.74 - 1.87)	1.23 (0.77 - 1.97)	
GRADE eu	0.99 (0.93 - 1.06)	1.00 (0.93 - 1.06)	
GRADE hypo	0.98 (0.95 - 1.01)	0.98 (0.95 - 1.02)	
GRADE hyper	1.03 (0.99 - 1.06)	1.02 (0.99 - 1.06)	
II trimester	Mean glucose	1.05 (1.01 - 1.10)*	1.04 (1.00 - 1.09)
	TAR	1.06 (1.01 - 1.12)*	1.05 (0.99 - 1.11)
	TIR	0.95 (0.89 - 1.01)	0.96 (0.90 - 1.02)
	AUC	1.05 (1.01 - 1.10)*	1.04 (1.00 - 1.09)
	AUC over 140 mg/dl	1.12 (1.01 - 1.25)*	1.12 (1.00 - 1.25)
	HbA1c	4.16 (1.43 - 12.08)*	1.04 (0.39 - 2.76)
	GMI	4.37 (1.23 - 15.55)*	3.32 (0.89 - 12.36)
	%CV	1.00 (0.89 - 1.13)	1.04 (0.92 - 1.17)
	MAGE	1.02 (0.99 - 1.06)	1.02 (0.99 - 1.06)
	MODD	1.07 (0.99 - 1.15)	1.08 (0.99 - 1.16)
	LBGI	0.62 (0.38 - 1.00)	0.72 (0.45 - 1.15)
	HBGI	1.77 (1.04 - 3.03)*	1.70 (0.99 - 2.92)
	ADRR	1.00 (0.93 - 1.08)	1.02 (0.95 - 1.10)
	M100	1.02 (0.99 - 1.05)	1.02 (0.99 - 1.05)
	J-index	1.12 (1.01 - 1.23)*	1.10 (1.00 - 1.22)
	CONGA 1h	1.08 (0.94 - 1.25)	1.05 (0.91 - 1.21)
	CONGA 2h	1.07 (0.96 - 1.18)	1.05 (0.94 - 1.16)

	CONGA 3h	1.06 (0.96 - 1.16)	1.05 (0.95 - 1.16)
	CONGA 4h	1.06 (0.96 - 1.16)	1.06 (0.96 - 1.16)
	CONGA 6h	1.07 (0.97 - 1.17)	1.07 (0.97 - 1.17)
	GRADE	1.38 (0.87 - 2.19)	1.34 (0.83 - 2.17)
	GRADE eu	0.99 (0.93 - 1.06)	1.00 (0.94 - 1.07)
	GRADE hypo	0.97 (0.93 - 1.00)	0.97 (0.94 - 1.01)
	GRADE hyper	1.04 (1.01 - 1.08)*	1.03 (0.99 - 1.06)
III trimester	Mean glucose	1.06 (1.01 - 1.10)*	1.03 (0.99 - 1.06)
	TAR	1.07 (1.02 - 1.12)*	1.03 (0.98 - 1.07)
	TIR	0.94 (0.89 - 0.99)*	0.98 (0.93 - 1.03)
	AUC	1.06 (1.01 - 1.10)*	1.03 (0.99 - 1.06)
	AUC over 140 mg/dl	1.13 (1.02 - 1.27)*	1.07 (0.99 - 1.15)
	HbA1c	3.51 (1.24 - 9.94)*	1.31 (0.49 - 3.52)
	GMI	4.73 (1.41 - 15.83)*	2.09 (0.77 - 5.68)
	%CV	0.99 (0.86 - 1.13)	1.02 (0.89 - 1.18)
	MAGE	1.03 (1.00 - 1.07)	1.02 (0.98 - 1.05)
	MODD	1.07 (1.003 - 1.15)*	1.02 (0.96 - 1.09)
	LBGI	0.57 (0.32 - 1.02)	0.79 (0.50 - 1.24)
	HBGI	1.86 (1.09 - 3.18)*	1.37 (0.94 - 1.98)
	ADRR	1.00 (0.92 - 1.08)	1.00 (0.92 - 1.08)
	M100	1.03 (1.002 - 1.05)*	1.01 (0.99 - 1.03)
	J-index	1.13 (1.02 - 1.24)*	1.06 (0.99 - 1.15)
	CONGA 1h	1.05 (0.89 - 1.23)	0.97 (0.82 - 1.14)
	CONGA 2h	1.06 (0.94 - 1.18)	1.00 (0.89 - 1.12)
	CONGA 3h	1.07 (0.97 - 1.17)	1.02 (0.92 - 1.12)
	CONGA 4h	1.08 (0.99 - 1.18)	1.03 (0.94 - 1.12)
	CONGA 6h	1.07 (0.99 - 1.17)	1.06 (0.97 - 1.15)
GRADE	1.59 (1.02 - 2.48)*	1.23 (0.85 - 1.79)	
GRADE eu	0.98 (0.92 - 1.03)	1.00 (0.94 - 1.06)	
GRADE hypo	0.97 (0.93 - 1.00)	0.99 (0.96 - 1.02)	
GRADE hyper	1.04 (1.01 - 1.07)*	1.01 (0.99 - 1.04)	
	Parameter	Hyperbilirubinemia	Transient breathing disorders
		ADJUSTED OR (95% CI)	ADJUSTED OR (95% CI)
I trimester	Mean glucose	1.00 (0.96 - 1.05)	1.03 (0.98 - 1.08)
	TAR	1.00 (0.95 - 1.06)	1.05 (0.99 - 1.12)
	TIR	0.99 (0.93 - 1.05)	0.94 (0.87 - 1.01)
	AUC	1.00 (0.96 - 1.05)	1.03 (0.98 - 1.08)
	AUC over 140 mg/dl	1.02 (0.94 - 1.12)	1.03 (0.93 - 1.14)
	HbA1c	0.80 (0.45 - 1.42)	1.56 (0.82 - 2.97)
	GMI	1.08 (0.31 - 3.70)	2.20 (0.52 - 9.36)
	%CV	1.07 (0.97 - 1.18)	0.99 (0.88 - 1.11)
	MAGE	1.01 (0.98 - 1.04)	1.00 (0.97 - 1.04)
	MODD	1.02 (0.96 - 1.09)	1.05 (0.98 - 1.13)
	LBGI	1.16 (0.76 - 1.77)	0.91 (0.55 - 1.52)
	HBGI	1.10 (0.71 - 1.70)	1.15 (0.71 - 1.87)
	ADRR	1.07 (0.99 - 1.15)	1.00 (0.92 - 1.08)
	M100	1.01 (0.99 - 1.04)	1.02 (0.99 - 1.05)
	J-index	1.02 (0.94 - 1.10)	1.03 (0.94 - 1.13)
	CONGA 1h	1.21 (1.03 - 1.42)*	1.14 (0.96 - 1.36)
	CONGA 2h	1.09 (0.99 - 1.21)	1.05 (0.94 - 1.18)
	CONGA 3h	1.06 (0.97 - 1.15)	1.03 (0.93 - 1.13)
	CONGA 4h	1.05 (0.97 - 1.13)	1.00 (0.92 - 1.10)
	CONGA 6h	1.04 (0.97 - 1.13)	1.00 (0.91 - 1.09)
GRADE	1.26 (0.80 - 1.98)	1.42 (0.85 - 2.39)	
GRADE eu	0.99 (0.93 - 1.05)	0.98 (0.91 - 1.06)	
GRADE hypo	1.01 (0.98 - 1.03)	0.99 (0.96 - 1.03)	
GRADE hyper	1.00 (0.97 - 1.03)	1.01 (0.98 - 1.05)	
II trimester	Mean glucose	1.05 (1.003 - 1.09)*	1.05 (1.00 - 1.10)

	TAR	1.06 (1.01 - 1.11)*	1.05 (0.99 - 1.11)
	TIR	0.95 (0.90 - 1.00)	0.95 (0.89 - 1.02)
	AUC	1.05 (1.003 - 1.09)*	1.05 (1.00 - 1.10)
	AUC over 140 mg/dl	1.16 (1.03 - 1.30)*	1.13 (1.00 - 1.27)
	HbA1c	2.18 (0.87 - 5.46)	3.94 (1.21 - 12.85)*
	GMI	3.69 (1.09 - 12.52)*	3.63 (0.87 - 15.25)*
	%CV	1.07 (0.96 - 1.19)	1.05 (0.92 - 1.19)
	MAGE	1.04 (1.002 - 1.07)*	1.03 (0.99 - 1.07)
	MODD	1.07 (1.00 - 1.15)	1.06 (0.97 - 1.15)
	LBGI	0.75 (0.49 - 1.14)	0.78 (0.46 - 1.31)
	HBGI	1.99 (1.12 - 3.52)*	1.79 (0.99 - 3.25)
	ADRR	1.05 (0.98 - 1.13)	1.06 (0.97 - 1.15)
	M100	1.02 (1.00 - 1.05)	1.02 (0.99 - 1.05)
	J-index	1.13 (1.02 - 1.25)*	1.12 (1.00 - 1.25)
	CONGA 1h	1.27 (1.09 - 1.48)*	1.18 (1.01 - 1.38)*
	CONGA 2h	1.18 (1.05 - 1.32)*	1.12 (1.00 - 1.26)
	CONGA 3h	1.13 (1.02 - 1.24)*	1.11 (0.99 - 1.24)
	CONGA 4h	1.09 (1.001 - 1.20)*	1.09 (0.98 - 1.21)
	CONGA 6h	1.10 (1.003 - 1.20)*	1.07 (0.97 - 1.19)
	GRADE	1.47 (0.95 - 2.27)	1.58 (0.95 - 2.63)
	GRADE eu	0.97 (0.91 - 1.03)	1.01 (0.94 - 1.08)
	GRADE hypo	0.98 (0.95 - 1.01)	0.98 (0.94 - 1.02)
	GRADE hyper	1.04 (1.002 - 1.07)*	1.02 (0.98 - 1.06)
III trimester	Mean glucose	1.04 (1.00 - 1.08)	1.04 (1.00 - 1.08)
	TAR	1.04 (1.00 - 1.09)	1.04 (0.99 - 1.09)
	TIR	0.96 (0.91 - 1.01)	0.96 (0.91 - 1.01)
	AUC	1.04 (1.00 - 1.08)	1.04 (1.00 - 1.08)
	AUC over 140 mg/dl	1.08 (0.99 - 1.18)	1.08 (0.99 - 1.18)
	HbA1c	1.92 (0.77 - 4.78)	1.86 (0.61 - 5.72)
	GMI	2.78 (0.98 - 7.92)	2.91 (0.90 - 9.35)
	%CV	1.07 (0.95 - 1.22)	0.96 (0.82 - 1.11)
	MAGE	1.03 (0.99 - 1.06)	1.02 (0.99 - 1.06)
	MODD	1.07 (1.001 - 1.15)*	1.07 (1.00 - 1.16)
	LBGI	0.72 (0.46 - 1.14)	0.72 (0.40 - 1.31)
	HBGI	1.47 (0.95 - 2.29)	1.47 (0.95 - 2.28)
	ADRR	1.04 (0.96 - 1.11)	1.02 (0.94 - 1.12)
	M100	1.02 (1.00 - 1.04)	1.02 (1.00 - 1.04)
	J-index	1.09 (1.00 - 1.19)	1.08 (0.99 - 1.18)
	CONGA 1h	1.19 (1.01 - 1.39)*	1.20 (1.00 - 1.44)
	CONGA 2h	1.15 (1.03 - 1.29)*	1.11 (0.98 - 1.25)
	CONGA 3h	1.12 (1.02 - 1.24)*	1.08 (0.97 - 1.19)
	CONGA 4h	1.11 (1.01 - 1.21)*	1.05 (0.96 - 1.16)
	CONGA 6h	1.10 (1.003 - 1.20)*	1.04 (0.95 - 1.13)
	GRADE	1.39 (0.93 - 2.07)	1.44 (0.94 - 2.20)
	GRADE eu	0.98 (0.93 - 1.03)	1.00 (0.94 - 1.06)
	GRADE hypo	0.97 (0.94 - 1.01)	0.99 (0.95 - 1.02)
	GRADE hyper	1.03 (1.002 - 1.06)*	1.01 (0.98 - 1.05)
	Parameter	Preterm birth	Pre-eclampsia
		ADJUSTED OR (95% CI)	ADJUSTED OR (95% CI)
I trimester	Mean glucose	1.06 (1.00 - 1.13)	1.00 (0.93 - 1.08)
	TAR	1.08 (1.003 - 1.17)*	1.00 (0.90 - 1.10)
	TIR	0.89 (0.81 - 0.98)*	1.01 (0.91 - 1.13)
	AUC	1.06 (1.00 - 1.13)	1.00 (0.93 - 1.09)
	AUC over 140 mg/dl	1.13 (1.01 - 1.27)*	1.02 (0.88 - 1.19)
	HbA1c	0.64 (0.25 - 1.62)	2.20 (0.87 - 5.57)
	GMI	5.53 (0.96 - 31.81)	1.06 (0.11 - 10.10)
	%CV	1.13 (1.00 - 1.29)	1.06 (0.90 - 1.24)

	MAGE	1.03 (0.99 - 1.07)	1.02 (0.97 - 1.06)
	MODD	1.03 (0.96 - 1.11)	0.99 (0.88 - 1.12)
	LBGI	0.98 (0.56 - 1.69)	0.96 (0.44 - 2.09)
	HBGI	1.82 (1.06 - 3.15)*	1.11 (0.53 - 2.32)
	ADRR	1.05 (0.96 - 1.14)	1.03 (0.91 - 1.16)
	M100	1.05 (1.01 - 1.09)*	1.00 (0.96 - 1.05)
	J-index	1.13 (1.01 - 1.25)*	1.02 (0.89 - 1.17)
	CONGA 1h	1.21 (0.98 - 1.50)	0.96 (0.75 - 1.23)
	CONGA 2h	1.13 (0.98 - 1.29)	1.05 (0.88 - 1.26)
	CONGA 3h	1.09 (0.98 - 1.21)	1.05 (0.91 - 1.21)
	CONGA 4h	1.07 (0.97 - 1.18)	1.05 (0.92 - 1.19)
	CONGA 6h	1.08 (0.98 - 1.18)	1.06 (0.94 - 1.19)
	GRADE	2.44 (1.25 - 4.79)*	0.94 (0.40 - 2.17)
	GRADE eu	0.90 (0.80 - 1.01)	0.99 (0.89 - 1.11)
	GRADE hypo	0.99 (0.95 - 1.03)	1.00 (0.94 - 1.05)
	GRADE hyper	1.03 (0.99 - 1.08)	1.01 (0.95 - 1.06)
II	Mean glucose	1.03 (0.98 - 1.09)	1.06 (0.98 - 1.14)
trimester	TAR	1.03 (0.96 - 1.10)	1.06 (0.98 - 1.16)
	TIR	0.98 (0.91 - 1.05)	0.96 (0.87 - 1.05)
	AUC	1.03 (0.98 - 1.09)	1.06 (0.98 - 1.14)
	AUC over 140 mg/dl	1.06 (0.93 - 1.20)	1.09 (0.93 - 1.27)
	HbA1c	1.71 (0.47 - 6.22)	4.86 (0.95 - 25.01)
	GMI	2.30 (0.49 - 10.73)	4.97 (0.64 - 38.63)
	%CV	1.04 (0.88 - 1.22)	0.98 (0.80 - 1.18)
	MAGE	1.01 (0.97 - 1.06)	1.01 (0.96 - 1.07)
	MODD	1.03 (0.94 - 1.14)	1.01 (0.89 - 1.15)
	LBGI	0.75 (0.41 - 1.37)	0.42 (0.15 - 1.19)
	HBGI	1.32 (0.70 - 2.48)	1.54 (0.73 - 3.26)
	ADRR	1.02 (0.92 - 1.13)	0.92 (0.79 - 1.06)
	M100	1.01 (0.97 - 1.05)	1.01 (0.97 - 1.06)
	J-index	1.06 (0.95 - 1.20)	1.10 (0.95 - 1.27)
	CONGA 1h	1.13 (0.93 - 1.37)	0.86 (0.65 - 1.15)
	CONGA 2h	1.07 (0.94 - 1.23)	0.99 (0.82 - 1.18)
	CONGA 3h	1.07 (0.94 - 1.21)	1.02 (0.87 - 1.20)
	CONGA 4h	1.07 (0.95 - 1.21)	1.03 (0.89 - 1.20)
	CONGA 6h	1.06 (0.94 - 1.19)	1.02 (0.88 - 1.18)
	GRADE	1.21 (0.66 - 2.20)	1.22 (0.58 - 2.55)
	GRADE eu	1.01 (0.93 - 1.10)	1.00 (0.91 - 1.11)
	GRADE hypo	0.98 (0.94 - 1.02)	0.93 (0.86 - 1.01)
	GRADE hyper	1.02 (0.98 - 1.06)	1.06 (0.99 - 1.13)
III	Mean glucose	1.02 (0.98 - 1.06)	1.01 (0.97 - 1.07)
trimester	TAR	1.02 (0.97 - 1.07)	1.01 (0.95 - 1.08)
	TIR	0.98 (0.93 - 1.04)	1.01 (0.93 - 1.09)
	AUC	1.02 (0.98 - 1.06)	1.01 (0.97 - 1.07)
	AUC over 140 mg/dl	1.02 (0.93 - 1.11)	1.00 (0.88 - 1.13)
	HbA1c	1.41 (0.41 - 4.80)	2.62 (0.54 - 12.66)
	GMI	1.68 (0.53 - 5.28)	1.48 (0.36 - 6.16)
	%CV	0.92 (0.76 - 1.10)	0.93 (0.75 - 1.16)
	MAGE	1.01 (0.97 - 1.05)	0.99 (0.94 - 1.04)
	MODD	1.03 (0.95 - 1.11)	0.92 (0.80 - 1.06)
	LBGI	0.72 (0.38 - 1.40)	0.53 (0.20 - 1.40)
	HBGI	1.10 (0.72 - 1.68)	1.00 (0.55 - 1.81)
	ADRR	0.99 (0.89 - 1.10)	0.85 (0.72 - 1.00)
	M100	1.00 (0.98 - 1.03)	0.99 (0.95 - 1.03)
	J-index	1.03 (0.94 - 1.12)	1.01 (0.91 - 1.13)
	CONGA 1h	1.04 (0.83 - 1.29)	0.73 (0.52 - 1.01)
	CONGA 2h	1.03 (0.89 - 1.19)	0.89 (0.72 - 1.10)
	CONGA 3h	1.01 (0.89 - 1.14)	0.95 (0.80 - 1.12)

	CONGA 4h	1.00 (0.89 - 1.12)	0.96 (0.82 - 1.12)
	CONGA 6h	1.00 (0.89 - 1.12)	0.98 (0.86 - 1.13)
	GRADE	1.08 (0.68 - 1.71)	0.85 (0.41 - 1.74)
	GRADE eu	1.02 (0.95 - 1.10)	1.04 (0.96 - 1.13)
	GRADE hypo	0.98 (0.94 - 1.03)	0.95 (0.88 - 1.02)
	GRADE hyper	1.01 (0.98 - 1.05)	1.02 (0.98 - 1.07)

LGA, Hypoglycemia, Hyperbilirubinemia, Transient breathing disorders, Pre-eclampsia:

Adjusted for - Age, Pregestational BMI, Duration of diabetes, Gestational weight gain, * - $p < 0.05$

Preterm birth: Adjusted for - Age, Pregestational BMI, Duration of diabetes, Gestational weight gain, Pre-eclampsia, * - $p < 0.05$

Abbreviations: %CV; coefficient of variation, AUC; area under the glycemic curve, **CONGA 1-6h**; continuous overall net glycemic action 1-6 hour interval, **BMI**; body mass index, **CGM**; continuous glucose monitoring, **CI**; confidence interval, **GMI**; glucose management indicator, **GRADE**; glycemic risk assessment in diabetes equation, **GRADE eu**; GRADE attributed to euglycemia **GRADE hypo**; GRADE attributed to hypoglycemia, **GRADE hyper**; GRADE attributed to hyperglycemia, **HbA1c**; glycated hemoglobin, **HBGI**; high blood glucose index, **LBGI**; low blood glucose index, **LGA**; large-for-gestational-age, **MAGE**; mean amplitude of glycemic excursions, **MODD**; mean of daily differences, **OR**; odd ratio, **TAR**; time above range, **TIR**; time in range

Table S2. Comparison of clinical parameters and continuous glucose monitoring indices between the mothers of normoglycemic infants and newborns with hypoglycemia (n - 102).

Parameter, unit	Normoglycemic neonates (n - 77)	Neonatal Hypoglycemia (n - 25)	P-value
Maternal age, years	30.8 (5.2)	30.4 (5.0)	0.77 ¹
Duration of diabetes, years	13.5 (7 - 19.5)	19.0 (15.0 - 22.0)	0.03 ²
Gestational age at baseline, weeks	9 (6 - 11)	8 (7 - 11)	0.85 ²
Diabetes complications at baseline, n			
Diabetic retinopathy	7	5	-
Diabetic nephropathy	8	4	-
Pre-pregnancy BMI, kg/m ²	23.1 (21.3 - 27.1)	23.8 (22.0 - 25.7)	0.69 ²
Whole gestational weight gain, kg	12.9 (5.4)	12.8 (6.1)	0.89 ¹
HbA1c, %, mmol/mol			
I trimester	6.23 (5.88 - 6.90)	6.19 (6.02 - 6.90)	0.85 ²
II trimester	44.6 (40.8 - 51.9)	44.2 (42.3 - 51.9)	
III trimester	5.51 (5.13 - 5.90)	5.42 (5.28 - 5.83)	0.93 ²
III trimester	36.7 (32.6 - 41.0)	35.7 (34.2 - 40.2)	
III trimester	5.71 (5.39 - 6.30)	5.87 (5.44 - 6.18)	0.61 ²
III trimester	38.9 (35.4 - 45.4)	40.7 (36.0 - 44.0)	
Triglycerides, mg/dl			
I trimester	70.5 (52.0 - 87.3)	55.1 (46.9 - 63.6)	0.01 ²
II trimester	129.7 (103.8 - 167.6)	126.2 (99.1 - 148.7)	0.34 ²
III trimester	251.3 (195.4 - 320.7)	221.1 (196.5 - 274.5)	0.23 ²
Sensor mean glucose levels, mg/dl, mmol/l			
I trimester	113.0 (103.0 - 121.7)	116.5 (107.8 - 118.7)	0.61 ²
II trimester	6.28 (5.72 - 6.76)	6.47 (5.99 - 6.59)	
III trimester	114.7 (104.9 - 122.6)	116.1 (107.5 - 124.7)	0.39 ²
III trimester	6.37 (5.83 - 6.81)	6.45 (5.97 - 6.93)	
III trimester	113.9 (106.3 - 126.8)	117.0 (110.3 - 124.1)	0.52 ²
III trimester	6.33 (5.91 - 7.04)	6.50 (6.13 - 6.89)	
Time spent over 140 mg/dl, %			
I trimester	20.1 (13.4 - 28.8)	24.5 (14.4 - 26.7)	0.56 ²
II trimester	20.5 (11.9 - 30.1)	24.1 (17.1 - 31.0)	0.32 ²
III trimester	20.1 (12.7 - 31.5)	21.8 (14.6 - 30.1)	0.62 ²
Time in range 63-140 mg/dl, %			
I trimester	73.5 (67.3 - 80.7)	70.7 (63.5 - 76.6)	0.44 ²
II trimester	74.2 (64.5 - 80.3)	71.1 (64.8 - 77.5)	0.43 ²
III trimester	75.9 (67.1 - 81.4)	75.9 (64.1 - 82.1)	0.86 ²
Time spent below 63 mg/dl, %			
I trimester	4.9 (2.7 - 7.9)	4.4 (2.9 - 7.9)	0.80 ²
II trimester	4.1 (1.8 - 7.6)	4.7 (2.2 - 6.5)	0.84 ²
III trimester	2.6 (0.9 - 4.6)	2.7 (1.1 - 4.6)	0.98 ²
Time spent below 54 mg/dl, %			
I trimester	1.5 (0.5 - 2.9)	1.5 (0.5 - 3.0)	0.80 ²
II trimester	1.5 (0.5 - 2.8)	1.7 (0.6 - 2.8)	0.65 ²
III trimester	0.6 (0.2 - 1.3)	0.6 (0.3 - 1.9)	0.66 ²

¹Student's t-test, ² Mann-Whitney U test

Results are presented as mean and standard deviation or median and interquartile range.

Conversion factors to SI units are as follows: for glucose, 0.05551; and triglycerides, 0.0114

Abbreviations: BMI; body mass index, HbA1c; glycated hemoglobin

Table S3. Comparison of clinical parameters and continuous glucose monitoring indices between the mothers of infants with transient breathing disorders and not affected newborns (n - 102).

Parameter, unit	Not affected (n - 83)	Transient breathing disorders (n - 19)	P-value
Maternal age, years	30.7 (5.0)	30.6 (5.7)	0.91 ¹
Duration of diabetes, years	14.3 (7.6)	14.2 (7.5)	0.96 ¹
Gestational age at baseline, weeks	9 (7 - 11)	8 (6 - 11)	0.99 ²
Diabetes complications at baseline, n			
Diabetic retinopathy	10	2	-
Diabetic nephropathy	8	4	-
Pre-pregnancy BMI, kg/m ²	23.5 (21.3 - 26.9)	23.6 (21.4 - 27.7)	0.61 ²
Whole gestational weight gain, kg	13.1 (5.7)	12.0 (5.0)	0.44 ¹
HbA1c, %, mmol/mol			
I trimester	6.23 (5.88 - 6.90)	6.19 (5.91 - 7.05)	0.77 ²
II trimester	5.46 (5.13 - 5.83)	5.70 (5.37 - 6.49)	0.04 ²
III trimester	5.74 (5.35 - 6.29)	5.80 (5.44 - 6.34)	0.43 ²
Triglycerides, mg/dl			
I trimester	62.9 (48.2 - 83.4)	72.2 (52.2 - 85.2)	0.46 ²
II trimester	125.8 (100.2 - 160.3)	134.9 (111.7 - 162.2)	0.61 ²
III trimester	251.0 (198.9 - 318.7)	226.2 (181.0 - 271.9)	0.22 ²
Sensor mean glucose levels, mg/dl, mmol/l			
I trimester	113.4 (103.5 - 120.6)	114.8 (106.7 - 124.2)	0.40 ²
II trimester	114.7 (104.4 - 122.9)	117.0 (109.2 - 130.3)	0.11 ²
III trimester	113.8 (105.6 - 124.1)	119.3 (107.7 - 127.8)	0.20 ²
Time spent over 140 mg/dl, %			
I trimester	20.7 (12.4 - 26.9)	24.9 (16.1 - 29.8)	0.17 ²
II trimester	19.8 (11.9 - 30.1)	25.7 (17.4 - 36.2)	0.13 ²
III trimester	20.2 (13.1 - 29.9)	26.6 (14.6 - 31.5)	0.31 ²
Time in range 63-140 mg/dl, %			
I trimester	74.4 (67.5 - 80.7)	68.4 (62.2 - 76.2)	0.13 ²
II trimester	74.6 (65.1 - 80.3)	68.5 (62.6 - 74.6)	0.08 ²
III trimester	76.0 (67.1 - 81.7)	70.4 (62.5 - 80.6)	0.33 ²
Time spent below 63 mg/dl, %			
I trimester	4.4 (2.9 - 7.1)	4.9 (2.1 - 8.8)	0.90 ²
II trimester	4.2 (2.0 - 7.4)	4.2 (2.2 - 7.8)	0.88 ²
III trimester	2.6 (1.2 - 4.6)	2.1 (0.9 - 4.8)	0.67 ²
Time spent below 54 mg/dl, %			
I trimester	1.5 (0.7 - 2.6)	1.7 (0.4 - 3.9)	0.96 ²
II trimester	1.5 (0.4 - 2.6)	1.4 (0.7 - 3.2)	0.54 ²
III trimester	0.6 (0.2 - 1.3)	0.5 (0.2 - 1.4)	0.64 ²

¹Student's t-test, ² Mann-Whitney U test

Results are presented as mean and standard deviation or median and interquartile range.

Conversion factors to SI units are as follows: for glucose, 0.05551; and triglycerides, 0.0114

Abbreviations: BMI; body mass index, HbA1c; glycated hemoglobin