

Table S2. Characteristics of study participants.

Study	Sample size (Maternal and newborn pairs)	Maternal characteristics						Newborn characteristics	
		Overall characteristics	Age (years) ^a	Pre-pregnancy BMI (kg/m ²) ^a	Primiparous (%)	Smoked during pregnancy (%)	Alcohol consumption (%)	Birth weight (g) ^a	Gestational age (weeks) ^a
Godfrey et al., 1996 [17]	538	Caucasian women aged 16 years or older with singleton pregnancies	26.4 ± 4.9	23.1 ± 4.4	53.0	25.8	NR	Male: 3527 ± 496; Female: 3344 ± 463	40.2 ± 1.3
Mathews et al., 1999 [18]	693	Nulliparous Caucasian women with singleton pregnancies	25.8 ± 4.9	23.2 ± 3.9	NR	40.7	NR	Male: 3425 ± 480; Female: 3281 ± 433	Male: 40.1 ± 1.4; Female: 40.2 ± 1.3
Langley-Evans et al., 2003 [19]	226	Healthy Caucasian women	27.9 ± 5.2	25.4 ± 5.2	NR	16.9	NR	Male: 3547 ± 459; Female: 3403 ± 517	Male: 40.1 ± 1.0; Female: 40 ± 1.3
Lagiou et al., 2004 [20]	224	Caucasian women aged less than 40 years and have a parity of no more than two	18-24 y: 2.2%; 25-29 y: 27.7%; 30-34 y: 61.6%; 35+ y: 8.5%	<18 kg/m ² : 11.6%; 19-21 kg/m ² : 48.7%; 22-24 kg/m ² : 26.3%; >25 kg/m ² : 13.4%	61.6	4.9	2.7	Male: 3629 ± SE 40, Female: 3498 ± SE 48	NR
Moore et al., 2004 [21]	556	Caucasian women aged 18 years or above with singleton pregnancy in which conception occurred without treatment for infertility	29.0 ± 5.0	24.9 ± 5.7	33.6	19.6	None of the women reported consuming > 2 drinks/ day (% NR).	Male: 3500 ± 472; Female: 3349 ± 574	Male: 39.5 ± 1.5; Female: 39.4 ± 1.8

Denguezli et al., 2009 [22]	350 (52 CAs, 298 COs)	Tunisian pregnant women with singleton pregnancies who delivered at term. CAs- women who delivered a newborn with a birth weight ≥ 4000 g; COs- women who delivered a newborn with normal birth weight	CAs: 29.9 ± 4.6 ; COs: 28.7 ± 5.5	CAs: 28.2 ± 5.3 ; COs: 25.5 ± 4.2	CAs: 17.3; COs: 30.9	NR	NR	NR	CAs: 40.4 ± 1.2 ; COs: 39.5 ± 1.4
Bawadi et al., 2010 [23]	700	Healthy women of 18 years or older who had completed vaginal labor 24 to 48 hours	$28.7 \pm SE 15.7$	$24.2 \pm SE 0.2$	24	NR	NR	$3200 \pm SE 20$	$36.7 \pm SE 0.2$
Watson and McDonald, 2010 [24]	439	Healthy European and Polynesian women with a singleton pregnancy	31.2 ± 5.1	NR	NR	11.4	NR	3551 ± 544	NR
Crume et al., 2016 [25]	1040	Healthy pregnant women	27.9 ± 6.1	25.5 ± 6.1	64.1	8.7	NR	3283.2 ± 432.5	39.6 ± 1.1
Diemert et al., 2016 [26]	200	Healthy low-risk women of age 18 or older with singleton, spontaneously conceived pregnancy	31.0 ± 3.5	24.7 ± 4.6	57 ^b	-	-	3457.0 ± 497.0	40.0 ± 1.5
Pathirathna et al., 2017 [27]	126	Healthy women with a singleton pregnancy	28.8 ± 6.2	22.1 ± 4.3	35.7	NR	NR	2874.6 ± 497.0	38.8 ± 1.5
Grandy et al., 2018 [28]	41	Healthy women with a singleton pregnancy	30.9 ± 5.8	29.7 ± 7.1	59	NR	NR	3500 ± 400	NR
Hjertholm et al., 2018 [29]	132	Pregnant women	NR	NR	NR	NR	NR	$3,104 \pm 401$	NR
Sharma et al., 2018 [30]	1196	Low-risk pregnant women	30 ± 5	25 ± 5	42	FT: 17; ST: 12	FT: 0.5 ± 0.9 ^c ; ST: 0.2 ± 0.4 ^c	3434 ± 559	40.0 ± 2.0
Amezcu-Prieto et al., 2019 [31]	1036 (518 CAs, 518 COs)	CAs- women who delivered a single live SGA newborn with no congenital malformations; COs- women who delivered a single live AGA newborn with no congenital malformations	NR	CAs: 23.1 ± 4.5 ; COs: 23.9 ± 4.1	CAs: 63.9; COs: 57.5	CAs: 28.8; COs: 15.4	CAs: 18.5; COs: 15.2	NR	NR

Eshak et al., 2020 [32]	78793	Women with a singleton pregnancy	31.0 ± 5.0	<18.5 kg/m ² : 16.2%; 18.5-<25 kg/m ² : 73.8%; 25-<30 kg/m ² : 7.8%; ≥30 kg/m ² : 2.2%	39.6	4.3	2.7	NR	38.9 ± 1.5
Minato-Inokawa et al., 2020 [33]	171	Pregnant women aged 20 years or above	SGA group: 33.7±5.8; AGA group: 31.3 ± 5.3; LGA group:32.7 ± 6.5	SGA group: 20.7 ± 3.1; AGA group: 21.2 ± 3.1; LGA group:21.6 ± 3.1	SGA group: 41.2; AGA Group: 44.4; LGA group: 40.0	NR	NR	SGA group: 2489 ± 217; AGA group: 2966 ± 285; LGA group: 3589 ± 356	SGA group: 39.1 ± 1.1; AGA group: 38.8 ± 1.2; LGA group: 38.8 ± 1.8

^a Mean ± Standard deviation if not mentioned otherwise. ^b Primi-gravida. ^c units/day. AGA: appropriate-for-gestational-age; BMI: body mass index; CAs: cases; COs: controls; FT: first-trimester; LGA: large-for-gestational-age; NR: not reported; SGA: small-for-gestational-age; SE: standard error of mean; ST: second-trimester.