

Table 1. Demographic and clinical data of HIE neonates exposed to maternal diabetes and non-exposed neonates.

<i>Demographics</i>	Full Cohort n = 102	None-IDM n = 84	IDM n = 18	<i>p-value</i>	None-IDM survivors n = 71	IDM survivors n = 14	<i>p-value</i>
Maternal							
Maternal Hypertension, n (%)	10 (23.1)	6 (7.1)	4 (22.2)	<i>P=0.0726^b</i>	5 (7.0)	4 (28.6)	<i>*P=0.0368^b</i>
Pre-Eclampsia, n (%)	2 (1.9)	0 (0.0)	2 (11.1)	<i>*P=0.0297^b</i>	0.0 (0.0)	1 (7.1)	<i>P=0.1647^b</i>
Hypothyroidism, n (%)	23 (22.5)	16 (19.1)	7 (38.9)	<i>P=0.1156^b</i>	14 (19.7)	5 (35.7)	<i>P=0.2893^b</i>
PCOS, n (%)	4 (3.9)	2 (2.4)	2 (11.1)	<i>P=0.1424^b</i>	1 (1.4)	2 (14.3)	<i>P=0.0691^b</i>
Maternal age, mean (SD)	29.67 (5.28)	30.12 (5.03)	28.06 (6.27)	<i>P=0.1343^a</i>	30.39 (4.99)	28.93 (6.83)	<i>P=0.3487^a</i>
Twin pregnancy, n (%)							
Route of delivery, n (%)				<i>P=0.2954^b</i>			<i>P=0.2525^b</i>
Vaginal	41 (40.2)	36 (42.9)	5 (27.8)		33 (46.5)	4 (28.6)	
Cesarean	61 (59.8)	48 (57.1)	13 (72.2)		38 (53.5)	10 (71.4)	
Abnormal fetal monitoring, n (%)	87 (85.2)	71 (84.5)	16 (88.9)	<i>P=0.3283^b</i>	63 (88.7)	12 (85.7)	<i>P=0.2759^b</i>
Outborn birth, n (%)	86 (84.3)	72 (85.7)	14 (77.8)	<i>P=0.4748^b</i>	61 (85.9)	10 (71.4)	<i>P=0.2340^b</i>
Neonatal							
Sex, n (%)				<i>P=0.7991^b</i>			<i>P>0.9999^b</i>
Female	49 (48.0)	41 (48.8)	8 (44.4)		7 (50.0)	34 (47.9)	
Male	53 (52.0)	43 (51.2)	10 (55.6)		7 (50.0)	37 (52.1)	
Gestational age, wk, median [IQR]	39.57 [6.57]	39.7 [6.8]	38.6 [6.1]	<i>*P=0.0050^c</i>	39.71 [5.86]	38.50 [4.71]	<i>**P=0.0014^c</i>
Birth weight, g, mean (SD)	3278 (581)	3214 (514)	3588 (752)	<i>*P=0.0120^a</i>	3209 (522)	3596 (753)	<i>*P=0.0213^a</i>
Birth length, cm, mean (SD)	50.3 (3.7)	50.3 (3.7)	51.0 (3.4)	<i>P=0.5397^a</i>	50.4 (3.8)	50.9 (3.7)	<i>P=0.6554^a</i>
Head circumference, cm, mean (SD)	34.4 (1.8)	34.2 (1.7)	34.4 (2.0)	<i>P=0.6416^a</i>	34.3 (1.6)	34.5 (2.0)	<i>P=0.6555^a</i>
1-min Apgar score, median [IQR]	1 [9]	1 [9]	1 [5]	<i>P=0.6651^c</i>	1 [8]	1 [5]	<i>P=0.3029^c</i>
5-min Apgar score, median [IQR]	3 [9]	3 [9]	3 [6]	<i>P=0.7279^c</i>	3 [9]	3 [6]	<i>P=0.8961^c</i>
10-min Apgar score, median [IQR]	4 [9]	4 [9]	4 [6]	<i>P=0.4359^c</i>	5 [9]	5 [6]	<i>P=0.8477^c</i>
Moderate to severe modified Sarnat score, n (%)	75 (73.5)	58 (69.1)	16 (88.9)	<i>P=0.1434^b</i>	45 (63.4)	13 (92.9)	<i>*P=0.0318^b</i>
SNAPPE II† at admission to NICU, median [IQR]	72 [76]	72 [76]	84 [55]	<i>P=0.0507^c</i>	72 [76]	82 [46]	<i>P=0.1160^c</i>
Worst blood pH*, mean (SD)	6.90 (0.17)	6.89 (0.17)	6.94 (0.15)	<i>P=0.3273^a</i>	6.92 (0.16)	6.92 (0.16)	<i>P=0.9722^a</i>
Worst blood BE*, mean (SD)	-16.5 (7.2)	-16.7 (7.7)	-15.9 (4.8)	<i>P=0.6825^a</i>	-16.7 (7.2)	-16.1 (5.2)	<i>P=0.7677^a</i>
Maximal lactates elevation, mmol/L, median [IQR]	9.8 [28.4]	9.8 [26.4]	9.7 [28.0]	<i>P=0.8085^c</i>	9.4 [25.4]	9.7 [16.0]	<i>P=0.7562^c</i>
Duration of lactates elevation, hours, median [IQR]	24.0 [161.0]	24.0 [120.0]	25.0 [161.0]	<i>P=0.8182^c</i>	22.0 [120.0]	23.5 [71.0]	<i>P=0.9915^c</i>

PCOS, Polycystic ovarian syndrome; BE, base excess; TH, therapeutic hypothermia

*Cord pH or in first hour of life

†Score for Neonatal Acute Physiology-Perinatal Extension II

^a*P* values by Independent sample t-tests

^b*P* values by Fisher's exact test

^c*P* values by Mann-Whitney U test