Table 1. Demographic, prenatal, and clinical description of cohorts 1 and 2

n (%) or median [IQR]	Cohort 1 (current study) n=126	Cohort 2 (Szakmar, 2021) n=252	P-val [a]
Gestational age (wk)	39 [37, 40]	39 [38, 40]	P=.014*
GA (% <=38 weeks)	52 (41.3%)	----	
Birth weight (g)	3255 [2865, 3680]	3180 [2830, 3544]	P=.237
Sex (% male)	80 (63.5%)	145 (57.5%)	P=.263
Gravida	2 [1, 3]	----	
Para (% one)	78 (61.9%)	----	
Pregnancy complications (% any)	92 (73.0%)	----	
Mother on medications (% any)	51 (40.5%)	----	
Delivery complications (% any)	150 (90.9%)	----	
Delivery mode (% vaginal)	47 (37.3%)	----	
Apgar @ 1m	2 [1, 4]	2 [1, 4]	P=.400
Apgar @ 5m	5 [4, 7]	6 [5, 7]	P<.001*
Apgar @ 10 m	7 [5, 8]	7 [6, 8]	P<.001*
LOS, d	11.5 [9, 18]	----	
UA pH	7.03 [6.92, 7.11]	7.04 [6.94, 7.12]	P=.665
UA BD (mmol/L)	12.2 [8.5, 15.9]	11.7 [8.4, 14.3]	P=.239
UA HCO_3 (mmol/L)	19.3 [17.0, 22.4]	----	
UV pH	7.17 [6.99, 7.26]	7.13 [7.02, 7.23]	P=.948
UV BD (mmol/L)	11.0 [6.7, 13.2]	10.1 [6.9, 12.9]	P=.584
UV HCO_3 (mmol/L)	18.8 [16.0, 21.4]	----	
Postnatal pH	7.13 [7.06, 7.21]	7.24 [7.15, 7.30]	P<.001*
Postnatal BD (mmol/L)	11.3 [8.6, 15.8]	9.2 [6.2, 12.9]	P<.001*
Postnatal HCO_3 (mmol/L)	17.6 [14.0, 21.0]	----	
Stage of NE			P<.001*
Mild	23 (18.3%)	124 (53.0%)	
Moderate	79 (62.7%)	105 (44.9%)	
Severe	24 (19.0%)	5 (2.1%)	
MRI Weeke Total Score	1 [0, 4]	2 [1, 4] [b]	P=.015*
Normal (<=4)	103 (81.7%)	193 (76.6%)	P=.267[c]
Mild (5-10)	9 (7.1%)	34 (13.5%)	
Moderate (11-15)	5 (4.0%)	12 (4.8%)	
Severe (>15)	9 (7.1%)	13 (5.2%)	

*p<.05, [a] P-value indicates significance of distributional difference between two cohorts based Chi-square test for categorical variables and Mann-Whitney U test for continuous variables after simulation of non-parametric datasets for cohort 2. The non-parametric simulated datasets were based on medians [IQRs] reported in article for 252 patients (Szakmar E, 2021) with skewness & kurtosis of distribution characteristics estimated from cohort1.
[b] Determined from histogram of distribution in Fig 2 in article by Szakmar et al, 2021.
[c] Chi-square test of group difference in distribution of MRI Weeke score on categorical scale.

Missing data in cohort 1: Apgar @10min (n=23), UA: pH (n=41), BD (n=52), HCO_3 (n=58), UV: pH (n=43), BD (n=58), HCO_3 (n=56), Postnatal: pH (n=34), BD (n=38), HCO_3 (n=44)