

Supplementary Table 1. Baseline demographic characteristics of VLBW infants in the study

Variables	VLBW infants without cPVL (N =11,194)	VLBW infants with cPVL (N = 908)	p value
Maternal age, years	33.2 ± 4.2	33.1 ± 4.3	0.21
Multiple births	4139 (37.0)	334 (36.8)	0.94
Gestational diabetes	1130 (10.1)	95 (10.5)	0.77
PIH	2666 (23.8)	135 (14.9)	<0.001
Acute chorioamnionitis	3141 (32.9)	257 (33.9)	0.60
PPROM	3759 (33.8)	363 (40.3)	<0.001
Completion of antenatal steroid	5209 (56.8)	367 (51.0)	<0.05
Caesarean section	9021 (80.6)	703 (77.4)	<0.05
Gestational age (weeks)			<0.001
GA < 28	3340 (29.8)	439 (48.3)	
28 ≤ GA < 32	5806 (51.9)	426 (46.9)	
GA ≥ 32	2048 (18.3)	43 (4.7)	
Apgar at 5 min < 5	1282 (11.5)	155 (17.2)	<0.001
Resuscitation at birth	9736 (87.0)	864 (95.2)	<0.001
pH at birth < 7	133 (1.5)	17 (2.7)	<0.05
BE at birth < -12	365 (4.2)	41 (6.5)	<0.05
Birth weight (g)			<0.001
Birth weight < 1000	3402 (30.4)	396 (43.6)	
1000 ≤ Birth weight < 1250	3251 (29.0)	238 (26.2)	
Birth weight ≥ 1250	4541 (40.6)	274 (30.2)	
Incremental birth head circumference, cm	26.3 ± 2.2	25.5 ± 2.6	<0.001
RDS	8227 (73.5)	825 (90.9)	<0.001
Prolonged mechanical ventilation, ≥7 days	3734 (33.4)	556 (61.2)	<0.001
Systemic steroid	1358 (12.1)	200 (22.0)	<0.001
BPD moderate and severe	3120 (27.9)	453 (49.9)	<0.001
Neonatal seizure	447 (4.0)	191 (21.0)	<0.001
Culture proven sepsis	1932 (17.3)	285 (31.4)	<0.001
NEC grade ≥ 2	510 (4.6)	99 (10.9)	<0.001
Systemic hypotension	1893 (16.9)	339 (37.3)	<0.001
ROP grade ≥ 3	1180 (10.5)	175 (19.3)	<0.001
Accompanied cerebral lesions			<0.001
Without IVH	7150 (63.9)	288 (31.7)	
IVH grade I	2809 (25.1)	230 (25.3)	
IVH grade II	782 (7.0)	151 (16.6)	
IVH grade III	267 (2.4)	98 (10.8)	
IVH grade IV	186 (1.7)	141 (15.3)	

Data are expressed as the numbers (%).

Abbreviations: VLBW, very-low-birth-weight; cPVL, cystic periventricular leukomalacia; PIH, pregnancy-induced hypertension; PPROM, preterm premature rupture of the membranes; GA, gestational age; BE, base excess; RDS, respiratory distress syndrome; BPD, bronchopulmonary dysplasia; NEC, necrotizing enterocolitis; ROP, retinopathy of prematurity; IVH, intraventricular haemorrhage.

Supplementary Table 2. Comparisons of baseline demographic characteristics of VLBW infants lost to follow-up and with follow-up at 18 to 24 months of corrected age

Variables	VLBW infants with follow-up loss or death (N =6160)	VLBW infants with follow-up data (N = 5942)	p value
Maternal age, years	33.3±4.4	33.2±4.0	0.10
Multiple births	2308 (37.5)	2165 (36.4)	0.25
Gestational diabetes	656 (10.6)	569 (9.6)	0.05
PIH	1435 (23.3)	1366 (23.0)	0.70
Acute chorioamnionitis	1585 (30.3)	1813 (35.8)	<0.001
PPROM	2065 (33.8)	2056 (34.8)	0.23
Completion of antenatal steroid	2754 (54.7)	2822 (58.2)	<0.001
Caesarean section	4999 (81.2)	4725 (79.5)	<0.05
Gestational age (weeks)			<0.001
GA < 28	1795 (29.1)	1984 (33.4)	
28 ≤ GA < 32	3190 (51.8)	3042 (51.2)	
GA ≥ 32	1175 (19.1)	916 (15.4)	
Apgar at 5 min < 5	757 (12.4)	680 (11.5)	0.15
Resuscitation at birth	5383 (87.4)	5217 (87.8)	0.51
pH at birth < 7	73 (1.5)	77 (1.7)	0.68
BE at birth < -12	203 (4.3)	203 (4.4)	0.83
Birth weight (g)			<0.001
Birth weight < 1000	1800 (29.2)	1998 (33.6)	
1000 ≤ Birth weight < 1250	1738 (28.2)	1751 (29.5)	
Birth weight ≥ 1250	2622 (42.6)	2193 (36.9)	
Incremental birth head circumference, cm	26.3 ± 2.3	26.1 ± 2.3	<0.001
RDS	4531 (73.6)	4521 (76.1)	<0.001
Prolonged mechanical ventilation, ≥7 days	2129 (34.6)	2161 (36.4)	0.04
Systemic steroid	443 (7.2)	1115 (18.8)	0.10
BPD moderate and severe	1806 (29.3)	1767 (29.7)	0.63
Neonatal seizure	335 (5.4)	303 (5.1)	0.43
Culture proven sepsis	1049 (17.0)	1168 (19.7)	<0.001
NEC grade ≥ 2	320 (5.2)	289 (4.9)	0.43
Systemic hypotension	1183 (19.2)	1049 (17.7)	<0.05
ROP grade ≥ 3	678 (11.0)	677 (11.4)	0.52
Accompanied cerebral lesions			
Without IVH	3858 (62.6)	3580 (60.2)	<0.05
IVH grade I	1476 (24.0)	1563 (26.3)	
IVH grade II	463 (7.5)	180 (3.0)	
IVH grade III	185 (3.0)	149 (2.5)	
IVH grade IV	178 (2.9)	5540 (93.2)	
cPVL	506 (8.2)	402 (6.8)	<0.05

Data are expressed as the numbers (%).

Abbreviations: VLBW, very-low-birth-weight; cPVL, cystic periventricular leukomalacia; PIH, pregnancy-induced hypertension; PPRM, preterm premature rupture of the membranes; GA, gestational age; BE, base excess; RDS, respiratory distress syndrome; BPD, bronchopulmonary dysplasia; NEC, necrotizing enterocolitis; ROP, retinopathy of prematurity; IVH, intraventricular haemorrhage.