

Table S1 Comparison of clinical characteristics of EPIs between complete care group and incomplete care group

Variables	Complete treatment (n=568)	Incomplete treatment (n=234)	P
Maternal characteristics			
Age (years), median [IQR]	32.0 [29.0, 36.0]	30.5 [28.0, 34.0]	<0.001
Pregnancy complications, n (%)	406 (71.5)	144 (61.5)	0.006
ANS [†] , n/N (%)	332/548 (60.6)	100/209 (47.8)	0.002
Cesarean delivery, n (%)	128 (22.5)	43 (18.4)	0.191
Chorioamnionitis and/or PROM, n (%)	287 (50.5)	99 (42.3)	0.034
Neonatal characteristics, n (%)			
GA			
<25 w	31 (5.5)	21 (9.0)	0.066
25–<26 w	56 (9.9)	34 (14.5)	0.057
26–<27 w	143 (25.2)	73 (31.2)	0.081
27–<28 w	338 (59.5)	106 (45.3)	<0.001
BW			
<750 g	63 (11.1)	37 (15.8)	0.066
750–999 g	276 (48.6)	116 (49.6)	0.801
≥1,000 g	229 (40.3)	81 (34.6)	0.132
Male			
Twin or multiple pregnancy	193 (34.0)	90 (38.5)	0.227
SGA	8 (1.4)	10 (4.3)	0.013
Inborn	491 (86.4)	191 (81.6)	0.082
Resuscitation in DR			
CPAP, n (%)	128 (22.5)	28 (12.0)	0.001
Intubation, n (%)	359 (63.2)	121 (51.7)	0.003
Chest compression, n (%)	54 (9.5)	27 (11.5)	0.385
Epinephrine, n (%)	41 (7.2)	21 (9.0)	0.397
5-min Apgar, median [IQR]	8 [7, 9]	8 [6, 9]	<0.001
Morbidities and interventions			
Hypothermia, n (%)	118 (20.8)	65 (27.8)	0.032
Weight loss >7%, n (%)	329 (57.9)	65 (27.8)	<0.001
Severe RDS, n (%)	163 (28.7)	73 (31.2)	0.480
≥2 doses of PS, n (%)	108 (19.0)	36 (15.4)	0.223
Invasive MV, n (%)	333 (58.6)	164 (70.1)	0.002
Pulmonary hemorrhage, n (%)	78 (13.7)	56 (23.9)	<0.001
NEC stage II–III, n (%)	26 (4.6)	10 (4.3)	0.850
Shock, n (%)	59 (10.4)	30 (12.8)	0.319
Sepsis, n (%)	85 (15.0)	27 (11.5)	0.203
Severe IVH or PVL [†] , n/N (%)	97/516 (17.3)	44/216 (20.4)	0.318

[†], denominators (i.e., total No.) varied according to the number of missing data for each variable. EPIs, extremely preterm infants; IQR, interquartile range; ANS, antenatal steroid; PROM, premature rupture of membranes; GA, gestational age; BW, birth weight; SGA, Small for gestational age; DR, delivery room; CPAP, continuous positive airway pressure; RDS, respiratory distress syndrome; PS, pulmonary surfactant; MV, mechanical ventilation; NEC, necrotizing enterocolitis; IVH, intraventricular hemorrhage. PVL, periventricular leukomalacia.

Table S2 Comparison of clinical characteristics of dead EPIs between complete care group and incomplete care group

Variables	Early neonatal death (0–<7 d)			Late neonatal death (≥7 d)		
	Complete care (n=58)	Incomplete care (n=90)	P	Complete care (n=17)	Incomplete care (n=43)	P
Maternal characteristics						
Age (years), median [IQR]	32 [29, 35]	31 [27, 34]	0.143	33 [31, 36]	31 [29, 34]	0.110
Pregnancy complications, n (%)	38 (65.5)	45 (50.0)	0.063	13 (76.5)	28 (65.1)	0.394
ANS [†] , n/N (%)	27/57 (47.4)	34/75 (45.3)	0.816	10/16 (62.5)	20/39 (51.3)	0.448
Cesarean delivery, n (%)	17 (29.3)	21 (23.3)	0.416	3 (17.6)	7 (16.3)	1.000 [‡]
Chorioamnionitis and/or PROM, n (%)	25 (43.1)	25 (27.8)	0.033	12 (70.6)	23 (53.5)	0.226
Neonatal characteristics, n (%)						
GA						
<25 w	6 (10.3)	9 (10.0)	0.946	3 (17.6)	10 (23.3)	0.899 [‡]
25–<26 w	12 (20.7)	18 (20.0)	0.919	5 (29.4)	8 (18.6)	0.570 [‡]
26–<27 w	14 (24.1)	34 (37.8)	0.084	1 (5.9)	15 (34.9)	0.049 [‡]
27–<28 w	26 (44.8)	29 (32.2)	0.121	8 (47.1)	10 (23.3)	0.070
BW						
<750 g	17 (29.3)	18 (20.0)	0.193	3 (17.6)	11 (25.6)	0.752 [‡]
750–999 g	27 (46.6)	52 (57.8)	0.181	9 (52.9)	21 (48.8)	0.774
≥1,000 g	14 (24.1)	20 (22.2)	0.787	5 (29.4)	11 (25.6)	1.000 [‡]
Male						
Twin or multiple pregnancy	23 (39.7)	43 (47.8)	0.332	5 (29.4)	16 (37.2)	0.568
SGA	3 (5.2)	5 (5.6)	1.000 [‡]	1 (5.9)	2 (4.7)	1.000 [‡]
Inborn	44 (75.9)	69(76.7)	0.910	8 (47.1)	34 (79.1)	0.015
Resuscitation in DR						
CPAP, n (%)	10 (17.2)	8 (8.9)	0.129	2 (11.8)	8 (18.6)	0.798 [‡]
Intubation, n (%)	39 (67.2)	62 (68.9)	0.834	12 (70.6)	28 (65.1)	0.685
Chest compression, n (%)	14 (24.1)	19 (21.1)	0.666	4 (23.5)	6 (14.0)	0.608
Epinephrine, n (%)	11 (19.0)	12 (13.3)	0.356	3 (17.6)	6 (14.0)	1.000 [‡]
5-min Apgar, median [IQR]	8 [6, 9]	7 [6, 9]	0.176	9 [8, 10]	7 [6, 8]	0.007
Morbidities and interventions						
Hypothermia, n (%)	19 (32.8)	35 (38.9)	0.449	7 (41.2)	11 (25.6)	0.235
Weight loss >7%, n (%)	1 (1.7)	11 (12.2)	0.048 [‡]	8 (47.1)	21 (48.8)	0.901
Severe RDS, n (%)	32 (55.2)	40 (44.4)	0.202	9 (52.9)	14 (32.6)	0.143
≥2 doses of PS, n (%)	19 (32.8)	19 (21.1)	0.113	3 (17.6)	11 (25.6)	0.752 [‡]
Invasive MV, n (%)	55 (94.8)	84 (93.3)	0.985 [‡]	16 (94.1)	42 (97.7)	1.000 [‡]
Pulmonary hemorrhage, n (%)	28 (48.3)	26 (28.9)	0.017	7 (41.2)	22 (51.2)	0.485
NEC stage II–III, n (%)	0 (0)	0 (0)	–	4 (23.5)	3 (7.0)	0.176
Shock, n (%)	17 (29.3)	16(17.8)	0.100	7 (41.2)	10 (23.3)	0.285 [‡]
Sepsis, n (%)	1 (1.7)	1 (1.1)	1.000 [‡]	7 (41.2)	6 (14.0)	0.050 [‡]
Severe IVH or PVL [†] , n/N (%)	7/51 (13.7)	9/75 (12.0)	0.775	4/17 (23.5)	22/41 (53.7)	0.036

[†], denominators (i.e., total No.) varied according to the number of missing data for each variable. [‡]Continuous corrected chi-square test was used. EPIs, extremely preterm infants; IQR, interquartile range; ANS, antenatal steroid; PROM, premature rupture of membranes; GA, gestational age; BW, birth weight; SGA, Small for gestational age; DR, delivery room; CPAP, continuous positive airway pressure; RDS, respiratory distress syndrome; PS, pulmonary surfactant; MV, mechanical ventilation; NEC, necrotizing enterocolitis; IVH, intraventricular hemorrhage. PVL, periventricular leukomalacia.