

**Supplementary Table 1.** Univariate Analysis of the Cognitive Outcome of the Enrolled Infants

Variable	Odds ratio (95% CI)	P-value
Multiple pregnancy	1.00 (0.47–2.08)	0.999
<i>In vitro</i> fertilization and embryo transfer	1.36 (0.63–2.96)	0.426
Diabetes mellitus during pregnancy	0.39 (0.05–3.03)	0.370
Hypertension during pregnancy	0.93 (0.40–2.17)	0.882
Chorioamnionitis (n=263)	1.39 (0.64–3.04)	0.399
Completion of antenatal corticosteroid (n=282)	1.08 (0.52–2.24)	0.828
Cesarean delivery	0.89 (0.41–1.92)	0.768
Neonatal resuscitation	3.21 (0.74–13.93)	0.119
Higher maternal educational level (≥college graduate) (n=261)	0.72 (0.30–1.72)	0.467
Higher paternal educational level (≥college graduate) (n=236)	0.49 (0.18–1.34)	0.168
RDS	2.18 (0.86–5.48)	0.097
Postnatal corticosteroid	1.41 (0.54–3.67)	0.475
BPD (n=283)	1.52 (0.71–3.26)	0.278
BPD moderate	2.82 (1.36–5.83)	<0.05
PDA ligation (n=284)	1.55 (0.55–4.36)	0.406
Hypotension	1.00 (0.39–2.58)	0.987
IVH grade I (n=284)	2.87 (1.35–6.08)	<0.05
Culture proven sepsis	1.79 (0.78–4.11)	0.169
NEC (≥stage 2)	2.17 (0.43–10.94)	0.344
ROP (≥stage 3) (n=283)	0.82 (0.23–2.88)	0.765
Male sex	1.09 (0.53–2.26)	0.800
Referred at AABR (n =281)	0.98 (0.35–2.71)	0.980
Gestational age (wk)	0.88 (0.76–1.02)	0.105
1-minute Apgar score (n=284)	0.88 (0.75–1.04)	0.150
5-minute Apgar score (n=284)	0.80 (0.67–0.94)	<0.05
Birth weight (g)	0.99 (0.99–1.00)	<0.05
Maternal age (yr)	1.07 (0.97–1.17)	0.155
Head circumference at birth (cm) (n=279)	0.93 (0.79–1.09)	0.371
Weight at discharge (g)	1.00 (1.00–1.00)	0.249
Head circumference at discharge (cm) (n=278)	1.19 (0.98–1.45)	0.073
Total TPN duration (d)	1.02 (1.00–1.03)	<0.05

Abbreviations: CI, confidence interval; RDS, respiratory distress syndrome; BPD, bronchopulmonary dysplasia; PDA, patent ductus arteriosus; IVH, intraventricular hemorrhage; NEC, necrotizing enterocolitis; ROP, retinopathy of prematurity; AABR, automated auditory brainstem response; TPN, total parenteral nutrition.