

Supplementary Table S1. Anatomical Atlas Labeling

AAL region	Abbreviation	AAL region	Abbreviation
Precentral	Precen	Lingual	Ling
Frontal_Sup dorsolateral	DISupF	Occipital_Sup	SupO
Frontal_Sup_Orb	OrSupF	Occipital_Mid	MidO
Frontal_Mid	MidF	Occipital_Inf	InfO
Frontal_Mid_Orb	OrMidF	Fusiform	Fus
Frontal_Inf_Oper	OpInfF	Postcentral	Postc
Frontal_Inf_Tri	TrinF	Parietal_Sup	SupP
Frontal_Inf_Orb	OrinfF	Parietal_Inf	InfP
Rolandic_Oper	Rolan	SupraMarginal	SupraM
Supp_Motor_Area	SupplM	Angular	Ang
Olfactory	MedOlf	Precuneus	Precu
Frontal_Sup_Medial	MSupF	Paracentral_Lobule	Parac
Frontal_Med_Orb	MOSupF	Caudate	Caud
Rectus	GyrR	Putamen	Put
Insula	Ins	Pallidum	Pall
Cingulum_Ant	AntCG	Thalamus	Thal
Cingulum_Mid	MidCG	Heschl	Heschl
Cingulum_Post	PostCG	Temporal_Sup	SupT
Hippocampus	Hipp	Temporal_Pole_Sup	TPsupT
ParaHippocampal	ParaHG	Temporal_Mid	midT
Amygdala	Amyg	Temporal_Pole_Mid	TPmidT
Calcarine	Calc	Temporal_Inf	InfT
Cuneus	Cun		

Supplementary Table S2. Neonatal characteristics of the preterm children

Morbidity	Ignition N=33	Hopf N=28
Antenatal steroids, n (%)	29 (90.6)	24 (85.7)
Apgar score at 5 minutes, mode (range)	8.0 (6-10)	8.0 (6-10)
Small for gestational age (birth weight for gestational age < -2SD), according to the Swedish growth curve	2 (6.0)	2 (7.1)
Clinical risk index for babies (CRIB) score, mean \pm SD	5.0 \pm 3.7	5.5 \pm 3.7
Days on ventilator, mean \pm SD (range)	9.7 \pm 12.9 (0-43)	11.4 \pm 13.4 (0-43)
Postnatal corticosteroid therapy, n (%)	4 (12.1)	4 (14.3)
Bronchopulmonary dysplasia, * n (%)	9 (27.3)	9 (32.1)
Sepsis (clinical diagnosis), n (%)	22 (66.6)	19 (67.8)
Necrotizing enterocolitis, n (%)	1 (3.12)	1 (3.6)
Patent ductus arteriosus treated with surgery, n (%)	8/32 (25.0)	7 (25.0)
Patent ductus arteriosus treated with ibuprofen, n (%)	19/32 (59.3)	15 (53.5)
Intraventricular hemorrhage low-grade, n (%)	9 (27.7)	9 (32.1)
Mild white matter abnormalities (score 7-9), n (%)	13 (39.3)	11 (39.2)
Retinopathy of prematurity, n (%)	23 (69.6)	21 (75.0)

* Oxygen at 36 weeks of gestation. Information regarding patent ductus arteriosus was missed in one neonate in the ignition analysis.