

**Supplementary Table 1.** Characteristics of the children born at gestational age <27 weeks with or without high quality MRI

	<b>High quality MRI</b> <b>n=34</b>	<b>Low quality MRI</b> <b>n=32</b>	<b><i>p</i></b>
Gestational age at birth, weeks, median (range)	25.85 (23.4-26.6)	25.45 (23.4-26.6)	0.16
Birth weight, grams, mean (SD)	857 (154)	820 (47)	0.33
Gender, girls/boys, n	15/19	14/18	1.00
Small for gestational age, n	1	3	0.35
Prenatal steroids, n	32	28	0.42
Premature rupture of the membranes, n	10	9	1.00
Cesarean section, n	16	16	1.00
Sepsis, n	24	27	0.24
Days of mechanical ventilation, median (range)	3 (0-37)	11 (0-55)	<b>0.04</b>
Postnatal steroids, n	4	7	0.33
Bronchopulmonary Dysplasia, oxygen at 36 weeks, n	12	14	0.62
Necrotizing enterocolitis, n	1	5	0.10
Patent ductus arteriosus, ligation, n	9	11	0.60
Laser treatment for retinopathy of prematurity , n	2	6	0.14
Intraventricular hemorrhage grade I-II, n	10	13	0.44
Mild white matter abnormality, n	18	12	0.09
Gestational age at MRI, weeks, median (range)	40.79 (39.14-45.28)	40.28 (39.14-43.28)	0.08
Age at 6.5 year assessment, months, median (range)	77.20 (75.29-80.18)	77.23 (76.03-86.33)	0.59
VMI standard score, mean (SD)	94 (10)	91 (9)	0.20
M-ABC-2 manual dexterity score, mean (SD)	8 (2)	7 (3)	0.68

All children were without cerebral palsy, focal brain lesions or severe white matter abnormalities. SD = Standard deviation, MRI = Magnetic Resonance Imaging, VMI=Visual-motor integration, M-ABC-2=Movement Assessment Battery for Children-2