

Table S2 Neonatal white matter injury and early neuromotor outcomes

	No neonatal white matter injury	Neonatal white matter injury	Uncorrected difference (95% CI)	Corrected difference (95% CI)
<u>3 MONTHS</u>	N=18	N=29		
GMs/FMs				
Abnormal GMs/FMs absent, <i>n (%)</i>	4 (22)	4 (14)		
Muscle tone				
Abnormal, <i>n (%)</i>	6 (33)	9 (32)**		
Bayley-III-NL				
Fine motor scaled score, <i>mean +/- SD</i>	9.7 +/- 3.1	9.7 +/- 2.8	-0.1 (-1.8 to 1.7)	
≤7 (-1SD) , <i>n (%)</i>	4 (22)	6 (21)		
Gross motor scaled score, <i>median</i>	9.5 (8.0-12.0)	10.0 (8.0-12.0)	0.2 (-1.2 to 1.6)	
(<i>IQR</i>)	3 (17)	5 (17)		
≤7 (-1SD) , <i>n (%)</i>	0 (0)	1 (4)		
≤4 (-2SD) , <i>n (%)</i>	0 (0)	1 (4)		
High risk of cerebral palsy, <i>n (%)</i>				
<u>9 MONTHS</u>	N=18	N=31		
Muscle tone				
Abnormal, <i>n (%)</i>	5 (26)	10 (34)		
Bayley-III-NL				

Fine motor scaled score, <i>median</i> (<i>IQR</i>) ≤ 7 (-1SD), <i>n</i> (%)	11.0 (10.0- 12.0) 0 (0)	10.0 (9.0-11.0) 2 (7)	-0.8 (-1.8 to 0.1)	-0.8 (-1.8 to 0.1)
Gross motor scaled score, <i>mean +/-</i> <i>SD</i> ≤ 7 (-1SD), <i>n</i> (%) ≤ 4 (-2SD), <i>n</i> (%)	10.4 +/- 3.2 3 (17)* 1 (6) 1 (6)	8.0 +/- 3.2 15 (48)* 7 (23) 1 (4)	-2.4 (-4.4 to - 0.5)*	-2.4 (-4.3 to -0.5)*
High risk of cerebral palsy, <i>n</i> (%)				
<u>18 MONTHS</u>	N=19	N=29		
Muscle tone				
Abnormal, <i>n</i> (%)	1 (6) ^{***}	6 (21)		
Bayley-III-NL				
Fine motor scaled score, <i>median</i> (<i>IQR</i>) ≤ 7 (-1SD), <i>n</i> (%)	12.0 (10.0- 13.0) 1 (5)	12.0 (10.5- 12.5) 1 (3)	0.02 (-1.2 to 1.3)	0.02 (-1.1 to 1.2)
Gross motor scaled score, <i>median</i> (<i>IQR</i>) ≤ 7 (-1SD), <i>n</i> (%) ≤ 4 (-2SD), <i>n</i> (%)	11.0 (9.0-12.0) 2 (11) 1 (5) 0 (0) ^{****}	11.0 (7.5-12.0) 7 (24) 2 (7) 1 (3) ^{****}	-0.4 (-2.1 to 1.2)	-0.4 (-1.9 to 1.1)
Development of cerebral palsy, <i>n</i> (%)				

Normally continuous distributed data are presented as mean +/- SD, not-normally continuous distributed data as median (25-75 percentile), and categorical data as number (%). Mean differences (with 95% CI) are corrected for repeated cardiac surgery at 9 and

18 months.

***P-value < 0.05**

**In one infant muscle tone data was missing.

***In three infants muscle tone data were missing.

****2 infants with a high risk of cerebral palsy at 3 months (with neonatal WMI) and 9 months (without neonatal WMI) were unable to visit the outpatient clinic at 18 months because of a poor clinical condition and receiving therapy at the rehabilitation centre.