

**Supplementary Table 3.** Correlations between brain volumes at term equivalent age, visual-motor integration and fine motor skills scores a 6.5 years in children born at GA <27 weeks.

Brain region	Visual-motor integration		Fine motor skills	
	Correlation coefficient (partial r)	p	Correlation coefficient (partial r)	p
Grey matter	0.05	0.77	-0.38	<b>0.04</b>
White matter	-0.33	0.07	0.11	0.57
Deep grey matter	0.02	0.93	0.05	0.79
Cerebellum	0.24	0.19	0.42	<b>0.02</b>
Brain stem	0.08	0.66	0.47	<b>0.008</b>
Frontal lobe	-0.11	0.61	-0.19	0.40
Temporal lobe	-0.10	0.63	-0.12	0.61
Parietal lobe	-0.33	0.12	-0.22	0.32
Occipital lobe	0.18	0.40	0.26	0.24
Central Region	0.35	0.09	0.30	0.17
<b>Networks</b>				
<b>Visual network</b>				
Superior occipital gyrus	0.23	0.28	0.39	0.07
Middle occipital gyrus	0.12	0.59	0.06	0.78
Inferior occipital gyrus	-0.26	0.22	-0.21	0.35
Calcarine cortex	-0.24	0.27	-0.01	0.97
Cuneus	0.27	0.20	0.20	0.37
Lingual gyrus	-0.13	0.54	-0.01	0.67
<b>Motor network</b>				
Precentral gyrus	0.54	<b>0.007</b>	0.54	<b>0.01</b>
Frontal medial	0.005	0.99	-0.05	0.83
Supplementary motor area	-0.03	0.89	-0.19	0.40
<b>Sensory network</b>				
Postcentral gyrus	0.07	0.75	0.17	0.45
<b>Salience network</b>				
Insula	-0.001	0.99	-0.08	0.73
Anterior cingulate gyrus	0.09	0.67	0.10	0.65
Thalamus	-0.04	0.87	0.11	0.62
Amygdala	-0.16	0.45	-0.23	0.31
<b>Default mode network</b>				
Precuneus	-0.26	0.22	-0.05	0.84
Angular_gyrus	0.26	0.21	-0.17	0.45
Hippocampus	-0.08	0.72	-0.11	0.63
<b>Subcortical regions</b>				
Subcortical grey matter, total	-0.10	0.63	-0.04	0.86
Pallidum	0.01	0.99	0.07	0.76

Caudate	-0.04	0.85	-0.09	0.70
Putamen	-0.26	0.23	0.06	0.79

All children are without cerebral palsy or major brain lesions. Results from Pearson's partial correlation, adjusted for total cerebral parenchyma (total cortical grey and white matter) and sex. Central region = precentral and postcentral gyri, rolandic operculum bilaterally. Results are presented without correction for multiple comparisons.