

ON-LINE APPENDIX

Patient ID: _____

Total Score: _____

Radiological appearance:

Vascular infarct **Prematurity (PVL/ IVH/ combined)** **Congenital malformation** **Other**

Affected Hemisphere: **Right** **Left** **Bilateral**

Involved lobes (0-no involvement, 1- involvement)

Frontal 0 1

Parietal 0 1

Temporal 0 1

Occipital 0 1

White matter:

Gliososis 0 1

Cystic changes 0 1

White matter volume loss (in comparison to contra lateral side)

No volume loss 0

Mild volume loss (< 40%) 1

Moderate volume loss (40-59%) 2

Severe volume loss (> 60%) 3

Cortical Grey matter pathology: 0 1

Deep grey Matter pathology:

Caudate 0 1

Putamen 0 1

Globus pallidus 0 1

Thalamus 0 1

White matter tracts disrupted:

External capsule 0 1

Internal capsule anterior limb 0 1

Internal capsule posterior limb 0 1

Pyramids 0 1

Radiological score evaluation form. If bilateral injury is present, assessment should be performed for each hemisphere separately.

On-line Table: Subject characteristics

Sub	Sex	Term/Preterm (GA in Weeks)	Age at MRI	Hemiparetic Side	Type of Injury ^a	MACS	GMFCS	Radiologic Score ^b
1	M	Term	8 y, 6 mo	R	Intracranial hemorrhage	3	2	18
2	F	Preterm-31	13 y	R	IVH	2	2	9
3	F	Preterm-26	14 y, 3 mo	R	IVH	2	2	5
4	M	Term	9 y, 2 mo	R	MCA infarct	2	2	10
5	M	Term	7 y, 2 mo	R	MCA infarct	3	2	15
6	M	Preterm-27	10 y, 2 mo	L	PVL	1	1	7
7	F	Preterm-26	14 y	R	IVH	3	2	18
8	M	Term	14 y, 1 mo	R	MCA infarct	1	2	5
9	M	Preterm-29	7 y, 2 mo	L	PVL + focal infarct	1	1	7
10	F	Term	7 y, 3 mo	R	MCA infarct	2	1	17
11	F	Term	10 y, 2 mo	R	MCA infarct	1	1	7
12	M	Preterm-32	9 y, 2 mo	R	IVH	2	2	13
13	M	Term	7 y, 2 mo	R	MCA infarct	3	2	13
14	F	Term	13 y	L	Intracranial hemorrhage resulting from TBI at 3 mo	2	2	13
15	M	Preterm-34	15 y	L	IVH/PVL	2	1	15
16	M	Term	13 y	R	Infarct at 2.5 y	3	2	18
17	F	Unknown due to adoption	16 y	R	Vascular infarct	1	1	13
18	F	Term	18 y, 8 mo	R	CVA at 7.5 y	2	1	15
19	F	Term	7 y, 6 mo	L	Intracranial hemorrhage after cardiac surgery at 18 mo	2	2	15
20	F	Term	9 y, 11 mo	L	CM: polymicrogyry	2	2	7
21	M	Term	8 y	R	MCA infarct	1	1	8
22	M	Term	11 y, 10 mo	R	Vascular infarct	3	2	17
23	M	Term	15 y, 9 mo	L	CM: polymicrogyry	2	1	7
24	M	Term	8 y, 6 mo	R	PVL	1	1	8
25	F	Term	10 y, 9 mo	R	PVL + focal infarct	1	1	4
26	F	Term	13 y, 2 mo	L	CM: polymicrogyry	2	2	9
27	M	Term	8 y, 3 mo	R	PVL + multifocal WM changes	3	2	12 (9 left, 3 right)

Note:—IVH indicates intraventricular hemorrhage; PVL, periventricular leukomalacia; TBI, traumatic brain injury; CVA, cerebrovascular accident; CM, congenital malformation;

Sub, subject; GA, gestational age; R, right; L, left.

^a If time of injury not stated, injury was perinatal.

^b Mean of 3 ratings from 2 radiologists.