

**Table S1** Demographics and clinical characteristics of participant

| Participants | Gender | Tested side | Age (years) | GMFM (%) | SCALE | MAS of knee/ankle | MRI description                                                                          |
|--------------|--------|-------------|-------------|----------|-------|-------------------|------------------------------------------------------------------------------------------|
| TD-1         | Male   | Left        | 6.3         | –        | –     | –/–               | –                                                                                        |
| TD-2         | Male   | Left        | 6.4         | –        | –     | –/–               | –                                                                                        |
| TD-3         | Female | Left        | 9.0         | –        | –     | –/–               | –                                                                                        |
| TD-4         | Female | Left        | 7.8         | –        | –     | –/–               | –                                                                                        |
| TD-5         | Male   | Left        | 10.6        | –        | –     | –/–               | –                                                                                        |
| BCP-6        | Male   | Right       | 7.6         | 70.30    | 3     | 2/3               | Bilateral periventricular white matter abnormal signals                                  |
| BCP-7        | Female | Left        | 9.8         | 56.04    | 2     | 2/3               | Bilateral periventricular white matter abnormal signal                                   |
| BCP-8        | Female | Right       | 11.9        | 83.28    | 3     | 2/3               | Bilateral periventricular white matter abnormal signals                                  |
| BCP-9        | Female | Right       | 7.4         | 66.83    | 3     | 1 <sup>+</sup> /3 | Abnormal white matter signals surrounding the posterior horns of both lateral ventricles |
| BCP-10       | Female | Right       | 7.4         | 54.33    | 2     | 2/3               | Bilateral periventricular white matter abnormal signals                                  |
| BCP-11       | Female | Right       | 10          | 53.21    | 2     | 2/3               | Bilateral periventricular white matter abnormal signals                                  |
| HCP-12       | Female | Left        | 9.3         | 94.66    | 6     | 1/2               | Right periventricular white matter encephalomalacia                                      |
| HCP-13       | Female | Right       | 11.2        | 93.96    | 5     | 1/3               | Left thalamic encephalomalacia with surrounding gliosis                                  |
| HCP-14       | Male   | Left        | 10.7        | 97.20    | 6     | 1 <sup>+</sup> /2 | Right parieto-frontal encephalomalacia with right lateral ventricular dilatation         |
| HCP-15       | Male   | Right       | 9.4         | 97.22    | 6     | 0/2               | Left periventricular white matter abnormal signal                                        |
| HCP-16       | Female | Left        | 11.7        | 100      | 7     | 0/1 <sup>+</sup>  | Right periventricular white matter abnormal signal                                       |
| HCP-17       | Female | Left        | 7.0         | 94.07    | 5     | 1 <sup>+</sup> /2 | Right periventricular white matter abnormal signal                                       |

“–”, unmeasured data. TD, typically developing group (participants numbered TD-1 to TD-5); BCP, bilateral cerebral palsy group (participants numbered BCP-6 to BCP-11); HCP, hemiplegic cerebral palsy group (participants numbered HCP-12 to HCP-17). GMFM, gross motor function measure; MRI, magnetic resonance imaging; MAS, Modified Ashworth Scale; SCALE, Selective Control Assessment of the Lower Extremity.