

**Supplementary Table 1: Comparison of disability and outcome in attacks of MOGAD, AQP-4-IgG-NMOSD, and MS involving the brainstem, cerebellum or both**

<b>Clinical outcomes</b>	MOGAD brainstem or cerebellar attack (n=39)	AQP4-IgG NMOSD brainstem or cerebellar attack (n=30)	MOGAD vs AQP4-IgG-NMOSD <i>P</i> -value <sup>a</sup>	MS brainstem or cerebellar attack (n=30) <sup>a</sup>	MOGAD vs MS <i>P</i> -value <sup>b</sup>
Median EDSS at attack nadir (range)	7 (0 – 9) <sup>c</sup>	6.5 (0 – 10) <sup>e</sup>	.55	3 (0 – 3.5) <sup>f</sup>	.08
Median Brainstem FSS at attack nadir (range)	2 (0 – 5) <sup>c</sup>	2 (0 – 5) <sup>e</sup>	.94	3 (0 – 3) <sup>f</sup>	.80
Median Cerebellar FSS at attack nadir (range)	0 (0 – 2) <sup>d</sup>	0.5 (0 – 4) <sup>f</sup>	.87	1 (0 – 2) <sup>f</sup>	.56
Median EDSS at recovery (range)	0 (0 – 9) <sup>g</sup>	1 (0 – 10) <sup>i</sup>	.35	1 (0 – 3.5) <sup>g</sup>	.22
Median Brainstem FSS at recovery (range)	0 (0 – 4) <sup>g</sup>	0 (0 – 5) <sup>i</sup>	.41	0 (0 – 3) <sup>g</sup>	.60
Median Cerebellar FSS at recovery (range)	0 (0 – 2) <sup>h</sup>	0 (0 – 1) <sup>d</sup>	.67	0 (0 – 3) <sup>g</sup>	.12
Median duration of follow up, months (range)	21 (3 – 121)	70 (6 – 334)	.002	42 (1 – 189)	.03

Key: AQP4, aquaporin-4; EDSS, expanded disability status scale; FSS, functional systems score;

MOG, myelin oligodendrocyte glycoprotein; MS, multiple sclerosis.

<sup>a</sup> statistical comparison between MOG IgG and AQP4 IgG cases,

<sup>b</sup> statistical comparison between MOG IgG and MS cases,

<sup>c</sup> median and range data based on 13 patients with information available,

<sup>d</sup> median and range data based on 11 patients with information available,

<sup>e</sup> median and range data based on 9 patients with information available,

<sup>f</sup> median and range data based on 8 patients with information available,

<sup>g</sup> median and range data based on 17 patients with information available,

<sup>h</sup> median and range data based on 16 patients with information available,

<sup>i</sup> median and range data based on 12 patients with information available.