**Table e-3. Clinical, paraclinical features stratified to cognitive outcome at last follow-up and odds ratio calculation through logistic regressiona**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Cognitively impaired b (n=17) | Cognitively preserved b(n=49) | P value c | OR c | IC c |
| Age onset, mean (SD), y | 8.4 (3.7) | 10.8 (3.4) | .02 | .823 | .695.973 |
| Female:male | 13:4 | 40:9 | .64 | .731 | .1932.775 |
| White:other | 5:12 | 23:26 | .21 | 2.123 | .6496.941 |
| Optic neuritis presentation at onset | 10 (59) | 19 (39) | .15 | 2.256 | .7336.940 |
| Transverse myelitis presentation at onset | 6 (35) | 19 (39) | .79 | .861 | .2732.717 |
| Brainstem/Cerebral presentation at onset | 3 (18) | 18 (37) | .15 | .369 | .0931.460 |
| Abnormal first Brain MRI | 11/13 (85) | 33/48 (69) | .26 | 2.500 | .49212.703 |
| Time to treatment, median (IQR), m | 4 (0-11) | 5 (1-16) | .16 | 4.615 | .52540.577 |
| Number relapses prior to treatment, median (IQR) | 1 (0.5-2) | 1 (0-2) | .84 | 1.165 | .2495.454 |
| FU, median (IQR), y | 7 (2-14) | 3.5 (2-8) | .43 | 3.039 | .18649.671 |

Abbreviations: SD, standard deviation; MRI, magnetic resonance imaging; FU, follow-up; CI: confidence interval.

a Data are presented as number (percentage) of patients unless otherwise indicated.

b Descriptive analysis on frequency, median (IQR) or mean (standard deviation) in each group.

c Logistic regression analysis for each variable independently. Logarithmic transformation performed for nonparametric data for odds ratio calculation.