|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table 2** Relative factors of mRS score (N=37†) | | | | | | |
|  | mRS on attack | | follow-up mRS | | ΔmRS‡ | |
|  | P value | Correlative index | P value | Correlative index | P value | Correlative index |
| Age onset | 0.055 | 0.314 | 0.678 | -0.071 | 0.266 | 0.188 |
| sex | 0.844 | -0.033 | 0.782 | -0.047 | 0.911 | 0.019 |
| BMI | 0.172 | 0.251 | 0.572 | 0.108 | 0.375 | 0.168 |
| Time from onset to immune therapy | 0.374 | -0.148 | 0.068 | 0.304 | 0.205 | -0.213 |
| Clinical Syndromes | 0.210 | -0.208 | 0.776 | -0.048 | 0.941 | -0.013 |
| Accompanied disease |  |  |  |  |  |  |
| autoimmune disease | 0.511 | 0.110 | 0.624 | 0.083 | 0.682 | -0.070 |
| endocrine disease | 0.583 | 0.092 | 0.333 | 0.164 | 0.443 | 0.130 |
| Infection within 3 months onset | 0.534 | -0.104 | 0.247 | 0.195 | 0.329 | -0.165 |
| Factors in serum and CSF |  |  |  |  |  |  |
| Autoantibody, positive | 0.747 | 0.054 | 1.000 | 0.000 | 0.385 | 0.147 |
| CSF pressure | 0.788 | -0.052 | 0.863 | 0.034 | 0.324 | 0.194 |
| CSF WBC count | 0.201 | 0.215 | 0.562 | -0.100 | **0.002** | 0.502 |
| CSF protein before therapy | 0.078 | 0.302 | 0.705 | 0.067 | **0.028** | 0.378 |
| CSF-specific Oligoclonal Bands§ | 0.105 | -0.297 | 0.663 | 0.083 | 0.160 | -0.263 |
| GFAP-antibody |  |  |  |  |  |  |
| Serum, positive | 0.469 | 0.123 | 0.301 | -0.177 | 0.129 | 0.258 |
| CSF, positive | 0.984 | -0.004 | 0.894 | -0.023 | 0.374 | 0.153 |
| Both in serum and CSF, positive | 0.523 | 0.110 | 0.219 | -0.213 | **0.029** | 0.370 |
| Serum antibody titer | **0.008** | 0.539 | 0.854 | 0.042 | 0.312 | 0.226 |
| CSF antibody titer | 0.992 | -0.002 | 0.105 | -0.313 | 0.353 | 0.182 |
| Image, T2 lesions |  |  |  |  |  |  |
| cerebral meninges | 0.176 | -0.224 | 0.474 | -0.121 | 0.960 | 0.008 |
| ependyma | 0.511 | 0.110 | 0.753 | 0.054 | 0.811 | -0.041 |
| cerebral cortex | 0.179 | -0.222 | 0.733 | 0.058 | 0.162 | -0.235 |
| cerebral white matter | 0.736 | 0.056 | 0.316 | 0.170 | 0.496 | -0.116 |
| diencephalon | 0.229 | -0.200 | 0.486 | 0.118 | 0.245 | -0.196 |
| brainstem | 0.961 | 0.008 | 0.716 | 0.062 | 0.531 | 0.106 |
| optic nerve | 0.179 | -0.222 | 0.733 | 0.058 | 0.162 | -0.235 |
| cerebellum | 0.082 | 0.286 | 0.136 | 0.250 | 0.838 | -0.035 |
| Spinal meninges | 0.123 | -0.254 | 0.578 | 0.094 | 0.093 | -0.280 |
| spinal cord | 0.746 | 0.054 | 0.787 | 0.046 | 0.552 | -0.101 |
| Long segmental myelitis | 0.291 | 0.230 | 0.352 | 0.203 | 0.305 | 0.224 |
| Thread enhanced perpendicular to the lateral ventricle | 0.090 | 0.287 | 0.426 | -0.139 | **0.003** | 0.490 |
| Maintenance therapy (steroids vs steroids + immunosuppressants) | 0.905 | -0.022 | 0.477 | -0.135 | 0.966 | -0.008 |

† 37 cases with complete mRS score data

‡ ΔmRS = mRS score on attack - follow-up mRS score

§ Included type Ⅱ and Ⅲ OCB.