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| **Supplementary Table 1** Relative Factors for 1-Year Relapse (N=36†) | | |
|  | P value | Correlative index |
| Age at onset | **0.037** | -0.035 |
| Sex | 0.703 | -0.066 |
| BMI | 1.000 | 0.000 |
| Time from onset to immunoregulation therapy | 0.084 | 0.292 |
| Accompanied disease |  |  |
| Autoimmune diseases | 0.415 | -0.140 |
| Endocrine diseases | 0.208 | -0.215 |
| Infection within 3 months of onset | 0.232 | 0.204 |
| Factors in serum and CSF |  |  |
| Autoantibody, positive | 0.261 | -0.192 |
| CSF WBC count before therapy | 0.261 | 0.190 |
| CSF protein level before therapy | 0.617 | 0.088 |
| CSF-specific Oligoclonal Bands‡ | **0.003** | 0.527 |
| GFAP antibody |  |  |
| Serum, positive | 0.170 | -0.234 |
| CSF, positive | 0.120 | 0.268 |
| Both in serum and CSF, positive | 0.932 | -0.015 |
| Serum antibody titer | 0.195 | -0.287 |
| CSF antibody titer | 0.683 | -0.082 |
| MRI Findings (T2 lesions) |  |  |
| cerebral meninges | 0.232 | 0.204 |
| ependyma | 0.415 | 0.140 |
| cerebral cortex | 0.083 | 0.293 |
| cerebral white matter | 0.056 | 0.321 |
| diencephalon | 0.053 | 0.325 |
| brainstem | 0.063 | 0.313 |
| optic nerve | 0.083 | 0.293 |
| cerebellum | 0.415 | -0.140 |
| Spinal meninges | 1.000 | 0.000 |
| spinal cord | 0.847 | 0.033 |
| Long segmental myelitis | 0.157 | -0.313 |
| Thread enhanced perpendicular to the lateral ventricle | 0.563 | -0.103 |
| Maintenance therapy (steroids vs steroids + immunosuppressants) | 0.491 | 0.133 |

† Thirty six patients in our cohort were followed for more than one year.

‡ Included type Ⅱ and Ⅲ OCB.