**Supplemental Table 2 Unadjusted analysis of risk factors for emergence delirium (n = 60) and postoperative delirium (n = 64).**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **β** | ***P*** | **OR** |
| **ED** | **NfL change log10 a** | 0.497 | 0.007\*\* | 1.644 |
| **GFAP change log10 b** | 0.177 | 0.185 | 1.193 |
| **ASA physical status** |
| **Ⅱ** | Reference | Reference | Reference |
| **Ⅲ** | 1.990 | 0.018\* | 7.312 |
| **Ⅳ** | 0.588 | 0.608 | 1.800 |
| **Surgical duration** | 0.007 | 0.074 | 1.007 |
| **POD** | **NfL change log10 a** | 0.268 | 0.021\* | 1.308 |
| **GFAP change log10 b** | 0.381 | 0.009\*\* | 1.463 |
| **Surgical duration** | 0.007 | 0.015\* | 1.007 |

NfL and GFAP were normalized by log10-transforming the postoperative value and the baseline value and then subtracting the transformed preoperative value from the transformed postoperative value. a For every 0.1-unit increase in the logarithmic transformation value of the change in NfL during the surgery; b For every 0.1-unit increase in the logarithmic transformation value of the change in GFAP during the surgery. \**P* < 0.05, \*\* *P* < 0. 01. Abbreviation: β, coefficient; OR, Odds Ratio; NfL, Neurofilament light chain; GFAP, Glial fibrillary acidic protein; ASA, American Society of Anesthesiologists.