**Supplemental Table 1** Analysis of clinical data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factors |  | The control group (n=30) | The experimental group (n=43) | P-value |
| Gender (male / female) |  | 11/19 | 19/24 | 0.521 |
| Age (years) |  | 47.3±9.3 | 47.1±8.8 |  |
| Past medical history |  |  |  |  |
|  | History of hypertension | 12 | 18 | 0.874 |
|  | History of diabetes mellitus | 8 | 10 | 0.739 |
| Mode of onset |  |  |  | 0.568 |
|  | Ischemic | 22 | 34 |
|  | Hemorrhagic | 8 | 9 |
| Suzuki staging of moyamoya disease on operation side |  |  |  |  |
|  | II | 4 | 6 | 0.664 |
|  | III | 16 | 20 |
|  | IV | 10 | 15 |
|  | V | 0 | 2 |