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| **Supplementary Table e-2.Predictors for remnant after microsurgical treatment of unruptured wide-neck aneurysm**  |
| **Variable** | **no remnant** | **remnant** | **p-value** |
| No. | 112 | 36 |  |
| Location of aneurysm |  |  |  |
|  A1 | 2 (1.8%) | 1 (2.8%) | 1.0 |
|  AcommA | 16 (14.3%) | 9 (25%) | 0.2 |
|  A3/4 | 3 (2.7%) | 3 (8.3%) | 0.2 |
|  ICA | 25 (22.3%) | 4 (11.1%) | 0.2 |
|  -ophthalmisch | 13 (11.6%) | 2 (5.6%) | 0.4 |
|  -pcomm | 6 (5.4%) | 2 (5.6%) | 1.0 |
|  -bifurcation | 5 (4.5%) | 0 (0%) | 0.3 |
|  M1 | 5 (4.5%) | 1 (2.8%) | 1.0 |
|  MCA-bifurcation | 56 (50%) | 17 (47.2%) | 0.7 |
|  M2 | 4 (3.6%) | 1 (2.8%) | 1.0 |
|  PICA | 1 (0.9%) | 0 (0%) | 1.0 |
|  VA | 1 (0.9%) | 0 (0%) | 1.0 |
| Aneurysm size, mm±SD | 9±5 | 10.6±5.4 | 0.1 |
|  ≥10mm | 34 (30.4%) | 16 (16.7%) | 0.2 |
|  ≥20mm | 5 (4.5%) | 3 (8.3%) | 0.4 |
|  Neck size, mm±SD | 5±1.8 | 5.9±4.1 | 0.06 |
| Perpendicular form of aneurysm (2mm cutoff) | 59 (51.8%) | 13 (36.1%) | 0.08\* |
| Dome to neck ratio |  |  |  |
|  <1 | 20 (17.9%) | 6 (16.7%) | 1.0 |
|  1-1.9 | 67 (59.8%) | 22 (61.1%) | 0.8 |
|  2-2.9 | 20 (17.9%) | 7 (19.4%) | 1.0 |
|  ≥3 | 5 (4.5%) | 1 (2.8%) | 1.0 |
|  |  |  |  |
| Median age, yrs (range) | 51 (16-73) | 52 (33-71) | 1.0 |
| Sex |  |  |  |
|  Male | 25 (22.3%) | 11 (30.6%) | 0.3 |
|  Female | 87 (77.7%) | 25 (69.4%) | 0.3 |
| Familiar history of aneurysm | 9 (8%) | 3 (8.3%) | 1.0 |
| Previous SAH  | 14 (12.5%) | 4 (11.1%) | 1.0 |
| Smoker | 60 (53.6%) | 20 (55.6%) | 1.0 |
| \*Chi-square test |  |  |  |