

Supplementary Table 2

Summary of clinical and radiological results of the study

|    | Presentation | Location | Eloquency    | Number of<br>outflow veins | Spetzler<br>Martin grade | preoperative<br>mRS | initial DSA results      | mRS at<br>30 days | mRS at<br>1 year | Results<br>of control DSA |
|----|--------------|----------|--------------|----------------------------|--------------------------|---------------------|--------------------------|-------------------|------------------|---------------------------|
| 1  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 0                   | Complete obliteration    | 0                 | 0                | Cure                      |
| 2  | Hemorrhagic  | Cortical | Eloquent     | 1                          | 4                        | 4                   | Complete obliteration    | 4                 | 5                | N/A                       |
| 3  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 0                   | Complete obliteration    | 0                 | 0                | Cure                      |
| 4  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 5                   | Complete obliteration    | 3                 | 1                | Cure                      |
| 5  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 3                   | Complete obliteration    | 3                 | 1                | Cure                      |
| 6  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 1                   | Complete obliteration    | 1                 | 1                | Cure                      |
| 7  | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 2                   | Complete obliteration    | 1                 | 1                | Cure                      |
| 8  | Hemorrhagic  | Cortical | Non-eloquent | 1                          | 1                        | 0                   | Complete obliteration    | 0                 | 0                | N/A                       |
| 9  | Hemorrhagic  | Cortical | Non-eloquent | 1                          | 1                        | 0                   | Complete obliteration    | 2                 | 2                | Cure                      |
| 10 | Hemorrhagic  | Cortical | Non-eloquent | 1                          | 1                        | 1                   | Complete obliteration    | 0                 | 0                | Cure                      |
| 11 | Hemorrhagic  | Deep     | Eloquent     | 2                          | 4                        | 4                   | Need second embolization | 4                 | 4                | Cure                      |
| 12 | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 1                   | Complete obliteration    | 1                 | 1                | N/A                       |
| 13 | Unruptured   | Deep     | Eloquent     | 1                          | 3                        | 1                   | Complete obliteration    | 1                 | 1                | N/A                       |
| 14 | Hemorrhagic  | Deep     | Non-eloquent | 1                          | 3                        | 1                   | Complete obliteration    | 2                 | 2                | N/A                       |
| 15 | Hemorrhagic  | Cortical | Non-eloquent | 1                          | 2                        | 1                   | Complete obliteration    | 1                 | 1                | Cure                      |
| 16 | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 2                   | Complete obliteration    | 2                 | 2                | Cure                      |
| 17 | Unruptured   | Cortical | Non-eloquent | 1                          | 2                        | 1                   | Complete obliteration    | 1                 | 1                | Cure                      |
| 18 | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 0                   | Complete obliteration    | 0                 | 0                | N/A                       |
| 19 | Hemorrhagic  | Deep     | Eloquent     | 1                          | 4                        | 4                   | Complete obliteration    | 4                 | 4                | Cure                      |
| 20 | Hemorrhagic  | Deep     | Eloquent     | 1                          | 3                        | 1                   | Complete obliteration    | 1                 | 3                | Cure                      |

|    |             |          |              |   |   |   |                          |   |   |      |
|----|-------------|----------|--------------|---|---|---|--------------------------|---|---|------|
| 21 | Hemorrhagic | Cortical | Non-eloquent | 1 | 2 | 2 | Complete obliteration    | 2 | 2 | Cure |
| 22 | Hemorrhagic | Cortical | Eloquent     | 2 | 4 | 2 | Complete obliteration    | 2 | 2 | Cure |
| 23 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 4 | Complete obliteration    | 4 | 4 | Cure |
| 24 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 0 | Complete obliteration    | 1 | 0 | N/A  |
| 25 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 0 | Complete obliteration    | 0 | 0 | Cure |
| 26 | Hemorrhagic | Deep     | Non-eloquent | 1 | 2 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 27 | Unruptured  | Cortical | Non-eloquent | 1 | 1 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 28 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 3 | Complete obliteration    | 3 | 3 | Cure |
| 29 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 3 | Complete obliteration    | 3 | 1 | Cure |
| 30 | Unruptured  | Cortical | Eloquent     | 1 | 3 | 0 | Complete obliteration    | 0 | 0 | Cure |
| 31 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 1 | Complete obliteration    | 2 | 1 | Cure |
| 32 | Hemorrhagic | Deep     | Non-eloquent | 1 | 4 | 1 | Complete obliteration    | 1 | 0 | Cure |
| 33 | Hemorrhagic | Cortical | Eloquent     | 1 | 3 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 34 | Unruptured  | Cortical | Non-eloquent | 1 | 1 | 1 | Complete obliteration    | 1 | 0 | Cure |
| 35 | Hemorrhagic | Cortical | Non-eloquent | 1 | 1 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 36 | Unruptured  | Cortical | Eloquent     | 1 | 4 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 37 | Unruptured  | Deep     | Non-eloquent | 1 | 3 | 1 | Attempted (radiosurgery) | 1 | 1 | Cure |
| 38 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 1 | Complete obliteration    | 1 | 1 | Cure |
| 39 | Unruptured  | Cortical | Non-eloquent | 1 | 1 | 0 | Complete obliteration    | 0 | 0 | Cure |
| 40 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 2 | Complete obliteration    | 2 | 1 | Cure |
| 41 | Hemorrhagic | Cortical | Eloquent     | 1 | 4 | 1 | Complete obliteration    | 1 | 1 | N/A  |
| 42 | Hemorrhagic | Deep     | Non-eloquent | 1 | 1 | 2 | Complete obliteration    | 1 | 1 | Cure |
| 43 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 4 | Complete obliteration    | 4 | 4 | Cure |
| 44 | Unruptured  | Cortical | Non-eloquent | 1 | 2 | 0 | Complete obliteration    | 0 | 0 | Cure |

|    |             |          |              |   |   |   |                       |   |   |      |
|----|-------------|----------|--------------|---|---|---|-----------------------|---|---|------|
| 45 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 1 | Complete obliteration | 1 | 0 | Cure |
| 46 | Hemorrhagic | Deep     | Non-eloquent | 1 | 3 | 2 | Complete obliteration | 2 | 1 | Cure |
| 47 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 3 | Complete obliteration | 4 | 5 | N/A  |
| 48 | Hemorrhagic | Deep     | Eloquent     | 1 | 3 | 1 | Complete obliteration | 1 | 1 | Cure |
| 49 | Hemorrhagic | Cortical | Eloquent     | 1 | 3 | 2 | Complete obliteration | 2 | 2 | Cure |
| 50 | Hemorrhagic | Cortical | Non-eloquent | 1 | 2 | 0 | Complete obliteration | 0 | 0 | Cure |
| 51 | Hemorrhagic | Cortical | Non-eloquent | 1 | 1 | 0 | Complete obliteration | 0 | 0 | Cure |

DSA, digital subtraction angiography; F, female; M, male; mRS, modified Rankin Scale; N/A, not available