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## Erratum

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The original versions of Tables 1–4 that were contained in the article “International Retrospective Study of the Pipeline Embolization Device: A Multicenter Aneurysm Treatment Study” by D.F. Kallmes, R. Hanel, D. Lopes et al (*AJNR Am J Neuroradiol* 2015;36:108–15, originally published on-line on October 29, 2014, 10.3174/ajnr.A4111) contained errors. Due to a coding problem, 36 PICA and vertebral artery aneurysms were changed from “anterior” to “posterior.” In addition, 17 ICA aneurysms were changed from “other anterior” to “ICA.” The authors state that these changes do not affect the conclusions or clinical implications of their paper. The only outcome that changed in statistical significance was the comparison of the rates of neurologic mortality and neurologic morbidity + mortality between anterior and posterior circulation aneurysms at >30 days (Table 3). These are the corrected tables.

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**Table 1: Aneurysm characteristics**

| Aneurysm Characteristics         | Anterior ICA ≥10 mm | Anterior ICA <10 mm | Posterior       | Other Anterior  | P Value | Total            |
|----------------------------------|---------------------|---------------------|-----------------|-----------------|---------|------------------|
| Aneurysm size (mm)               |                     |                     |                 |                 | <.0001  |                  |
| Mean ± SD (n)                    | 16.8 ± 6.3 (317)    | 5.2 ± 2.2 (360)     | 13.8 ± 8.4 (93) | 9.2 ± 8.0 (126) |         | 10.7 ± 7.7 (896) |
| Median, range                    | 15.0, 10.0–42.0     | 5.0, 1.0–10.0       | 11.6, 1.5–45.0  | 6.7, 1.0–55.0   |         | 9.0, 1.0–55.0    |
| Aneurysm type                    |                     |                     |                 |                 | <.0001  |                  |
| Small                            | 0.0% (0/317)        | 100.0% (360/360)    | 35.5% (33/93)   | 63.5% (80/126)  |         | 52.8% (473/896)  |
| Large                            | 85.8% (272/317)     | 0.0% (0/360)        | 49.5% (46/93)   | 31.0% (39/126)  |         | 39.8% (357/896)  |
| Giant                            | 14.2% (45/317)      | 0.0% (0/360)        | 15.1% (14/93)   | 5.6% (7/126)    |         | 7.4% (66/896)    |
| Aneurysm neck (mm)               |                     |                     |                 |                 | <.0001  |                  |
| Mean ± SD (n)                    | 8.5 ± 5.0 (297)     | 4.1 ± 2.2 (335)     | 8.7 ± 7.5 (70)  | 4.8 ± 5.1 (110) |         | 6.2 ± 4.9 (812)  |
| Median, range                    | 7.6, 0.9–50.0       | 3.9, 0.8–22.0       | 6.6, 1.7–53.0   | 3.9, 1.0–50.0   |         | 5.0, 0.8–53.0    |
| Aneurysm shape                   |                     |                     |                 |                 | <.0001  |                  |
| Saccular                         | 77.3% (245/317)     | 87.8% (316/360)     | 35.8% (34/95)   | 71.7% (91/127)  |         | 76.0% (689/906)  |
| Fusiform                         | 15.5% (49/317)      | 4.7% (17/360)       | 29.5% (28/95)   | 15.0% (19/127)  |         | 12.8% (116/906)  |
| Dissecting                       | 3.2% (10/317)       | 2.2% (8/360)        | 28.4% (27/95)   | 7.1% (9/127)    |         | 6.0% (54/906)    |
| Other                            | 4.1% (13/317)       | 5.3% (19/360)       | 6.3% (6/95)     | 6.3% (8/127)    |         | 5.2% (47/906)    |
| Aneurysm location                |                     |                     |                 |                 | <.0001  |                  |
| Internal carotid artery          | 100.0% (317/317)    | 100.0% (360/360)    | 0.0% (0/95)     | 0.0% (0/127)    |         | 75.5% (684/906)  |
| Middle cerebral artery           | 0.0% (0/317)        | 0.0% (0/360)        | 0.0% (0/95)     | 33.9% (43/127)  |         | 4.7% (43/906)    |
| Posterior cerebral artery        | 0.0% (0/317)        | 0.0% (0/360)        | 15.8% (15/95)   | 0.0% (0/127)    |         | 1.7% (15/906)    |
| Basilar artery                   | 0.0% (0/317)        | 0.0% (0/360)        | 46.3% (44/95)   | 0.0% (0/127)    |         | 4.9% (44/906)    |
| Other                            | 0.0% (0/317)        | 0.0% (0/360)        | 37.9% (36/95)   | 66.1% (84/127)  |         | 13.2% (120/906)  |
| Presented with ruptured aneurysm | 3.8% (12/317)       | 6.7% (24/360)       | 7.4% (7/95)     | 25.2% (32/127)  | <.0001  | 8.4% (76/906)    |
| Multiple PEDs utilized           | 45.4% (144/317)     | 27.4% (98/358)      | 37.9% (36/95)   | 22.8% (29/127)  | <.0001  | 34.1% (308/904)  |

**Table 2: Complications by aneurysm location and size subgroups**

| Patient Characteristics  | Anterior ICA ≥10 mm | Anterior ICA <10 mm | Posterior       | Other Anterior  | P Value | Total            | 95% CI        |
|--|---------------------|---------------------|-----------------|-----------------|---------|------------------|---------------|
| Aneurysm size (mm)   |                     |                     |                 |                 | <.0001  |                  | (10.7–11.8)   |
| Mean ± SD (n)  | 16.8 ± 6.3 (296)    | 5.3 ± 2.2 (291)     | 14.2 ± 8.5 (88) | 9.7 ± 8.3 (112) |         | 11.2 ± 7.8 (787) |               |
| Median, range  | 15.0, 10.0–42.0     | 5.0, 1.2–10.0       | 12.0, 1.5–45.0  | 7.1, 1.0–55.0   |         | 10.0, 1.0–55.0   |               |
| Spontaneous rupture  | 1.4% (4/296)        | 0.0% (0/291)        | 1.1% (1/90)     | 0.0% (0/112)    | .1657   | 0.6% (5/793)     | (0.2%–1.5%)   |
| Intracranial hemorrhage  | 2.7% (8/296)        | 1.4% (4/291)        | 2.2% (2/90)     | 5.4% (6/112)    | .2299   | 2.5% (20/793)    | (1.6%–3.9%)   |
| Ischemic stroke  | 5.4% (16/296)       | 2.4% (7/291)        | 6.7% (6/90)     | 6.3% (7/112)    | .1726   | 4.5% (36/793)    | (3.2%–6.2%)   |
| Parent artery stenosis   | 0.3% (1/296)        | 0.3% (1/291)        | 0.0% (0/90)     | 0.0% (0/112)    | 1.0000  | 0.3% (2/793)     | (0.0%–0.9%)   |
| Cranial neuropathy   | 0.7% (2/296)        | 0.0% (0/291)        | 0.0% (0/90)     | 0.0% (0/112)    | .7257   | 0.3% (2/793)     | (0.0%–0.9%)   |
| Neurologic morbidity   | 8.8% (26/296)       | 4.1% (12/291)       | 8.9% (8/90)     | 11.6% (13/112)  | .0496   | 7.4% (59/793)    | (5.7%–9.5%)   |
| Neurologic mortality   | 3.7% (11/296)       | 1.4% (4/291)        | 7.8% (7/90)     | 7.1% (8/112)    | .0108   | 3.8% (30/793)    | (2.6%–5.4%)   |
| Neurologic morbidity and mortality (all patients)  | 9.5% (28/296)       | 4.1% (12/291)       | 13.3% (12/90)   | 13.4% (15/112)  | .0046   | 8.4% (67/793)    | (6.6%–10.6%)  |
| Neurologic morbidity and mortality (patients with unruptured aneurysms)                    | 9.5% (27/285)       | 3.4% (9/268)        | 12.0% (10/83)   | 9.9% (8/81)     | .0104   | 7.5% (54/720)    | (5.7%–9.7%)   |
| Neurologic morbidity and mortality (patients with ruptured aneurysms)                      | 16.7% (2/12)        | 12.5% (3/24)        | 28.6% (2/7)     | 21.9% (7/32)    | .7639   | 18.4% (14/76)    | (10.5%–29.0%) |
| Neurologic morbidity and mortality (excluding ruptured, dissecting, or fusiform aneurysms) | 7.7% (18/233)       | 3.6% (9/253)        | 8.6% (3/35)     | 9.7% (6/62)     | .1343   | 6.2% (36/585)    | (4.4%–8.4%)   |

**Table 3: Occurrence of complication by time**

| Major Complications  | <72 Hours     |             | 72 Hours–30 Days |             | >30 Days      |             | P Value | Total         |
|--|---------------|-------------|------------------|-------------|---------------|-------------|---------|---------------|
|  | Anterior      | Posterior   | Anterior         | Posterior   | Anterior      | Posterior   |         |               |
| Spontaneous rupture  | 0.1% (1/703)  | 0.0% (0/90) | 0.3% (2/703)     | 1.1% (1/90) | 0.1% (1/703)  | 0.0% (0/90) | .6290   | 0.6% (5/793)  |
| Intracranial hemorrhage  | 0.4% (3/703)  | 2.2% (2/90) | 1.6% (11/703)    | 0.0% (0/90) | 0.6% (4/703)  | 0.0% (0/90) | .1363   | 2.5% (20/793) |
| Ischemic stroke  | 2.1% (15/703) | 3.3% (3/90) | 0.9% (6/703)     | 2.2% (2/90) | 1.3% (9/703)  | 1.1% (1/90) | .1102   | 4.5% (36/793) |
| Parent artery stenosis   | 0.0% (0/703)  | 0.0% (0/90) | 0.1% (1/703)     | 0.0% (0/90) | 0.1% (1/703)  | 0.0% (0/90) | 1.0000  | 0.3% (2/793)  |
| Cranial neuropathy   | 0.0% (0/703)  | 0.0% (0/90) | 0.3% (2/703)     | 0.0% (0/90) | 0.0% (0/703)  | 0.0% (0/90) | .3331   | 0.3% (2/793)  |
| Neurologic morbidity   | 2.6% (18/703) | 5.6% (5/90) | 2.8% (20/703)    | 2.2% (2/90) | 1.8% (13/703) | 1.1% (1/90) | .2757   | 7.4% (59/793) |
| Neurologic mortality   | 1.0% (7/703)  | 3.3% (3/90) | 1.4% (10/703)    | 2.2% (2/90) | 0.9% (6/703)  | 2.2% (2/90) | .7014   | 3.8% (30/793) |
| Neurologic morbidity and mortality (all patients)  | 2.8% (20/703) | 5.6% (5/90) | 3.1% (22/703)    | 4.4% (4/90) | 1.8% (13/703) | 3.3% (3/90) | .2543   | 8.4% (67/793) |
| Neurologic morbidity and mortality (patients with unruptured aneurysms)                    | 2.5% (16/637) | 6.0% (5/83) | 2.7% (17/637)    | 3.6% (3/83) | 1.7% (11/637) | 2.4% (2/83) | .3511   | 7.5% (54/720) |
| Neurologic morbidity and mortality (patients with ruptured aneurysms)                      | 5.8% (4/69)   | 0.0% (0/7)  | 8.7% (6/69)      | 14.3% (1/7) | 2.9% (2/69)   | 14.3% (1/7) | .4768   | 18.4% (14/76) |
| Neurologic morbidity and mortality (excluding ruptured, dissecting, or fusiform aneurysms) | 2.5% (14/550) | 2.9% (1/35) | 2.5% (14/550)    | 2.9% (1/35) | 0.9% (5/550)  | 2.9% (1/35) | .0934   | 6.2% (36/585) |

**Table 4: Complication by aneurysm size**

| Major Complications  | Small           |                | Large            |                 | Giant           |                 | P Value | Total            |
|--|-----------------|----------------|------------------|-----------------|-----------------|-----------------|---------|------------------|
|  | Anterior        | Posterior      | Anterior         | Posterior       | Anterior        | Posterior       |         |                  |
| Aneurysm size (mm)   |                 |                |                  |                 |                 |                 | <.0001  |                  |
| Mean ± SD (n)  | 5.3 ± 2.2 (360) | 6.1 ± 2.5 (27) | 14.8 ± 4.1 (292) | 14.8 ± 4.1 (46) | 29.2 ± 5.6 (49) | 28.5 ± 6.2 (14) |         | 11.3 ± 7.7 (788) |
| Median, range  | 5.0, 1.0–10.0   | 6.3, 1.5–9.4   | 14.0, 10.0–24.5  | 14.3, 10.0–23.0 | 27.0, 25.0–55.0 | 26.0, 25.0–45.0 |         | 10.0, 1.0–55.0   |
| Spontaneous rupture  | 0.0% (0/360)    | 0.0% (0/27)    | 0.7% (2/292)     | 0.0% (0/46)     | 4.1% (2/49)     | 7.1% (1/14)     | .0011   | 0.6% (5/793)     |
| Intracranial hemorrhage  | 1.9% (7/360)    | 0.0% (0/27)    | 2.7% (8/292)     | 2.2% (1/46)     | 6.1% (3/49)     | 7.1% (1/14)     | .0901   | 2.5% (20/793)    |
| Ischemic stroke  | 2.8% (10/360)   | 0.0% (0/27)    | 4.8% (14/292)    | 4.3% (2/46)     | 12.2% (6/49)    | 21.4% (3/14)    | .0008   | 4.5% (36/793)    |
| Parent artery stenosis   | 0.3% (1/360)    | 0.0% (0/27)    | 0.3% (1/292)     | 0.0% (0/46)     | 0.0% (0/49)     | 0.0% (0/14)     | 1.0000  | 0.3% (2/793)     |
| Cranial neuropathy   | 0.0% (0/360)    | 0.0% (0/27)    | 0.7% (2/292)     | 0.0% (0/46)     | 0.0% (0/49)     | 0.0% (0/14)     | .3373   | 0.3% (2/793)     |
| Neurologic morbidity   | 5.0% (18/360)   | 0.0% (0/27)    | 7.5% (22/292)    | 6.5% (3/46)     | 22.4% (11/49)   | 28.6% (4/14)    | <.0001  | 7.4% (59/793)    |
| Neurologic mortality   | 1.7% (6/360)    | 3.7% (1/27)    | 4.8% (14/292)    | 6.5% (3/46)     | 6.1% (3/49)     | 21.4% (3/14)    | .0033   | 3.8% (30/793)    |
| Neurologic morbidity and mortality (all patients)  | 5.3% (19/360)   | 3.7% (1/27)    | 8.6% (25/292)    | 10.9% (5/46)    | 22.4% (11/49)   | 35.7% (5/14)    | <.0001  | 8.4% (67/793)    |
| Neurologic morbidity and mortality (patients with unruptured aneurysms)                    | 3.5% (11/311)   | 0.0% (0/24)    | 7.9% (22/277)    | 11.4% (5/44)    | 22.9% (11/48)   | 30.8% (4/13)    | <.0001  | 7.5% (54/720)    |
| Neurologic morbidity and mortality (patients with ruptured aneurysms)                      | 16.0% (8/50)    | 33.3% (1/3)    | 18.8% (3/16)     | 0.0% (0/2)      | 50.0% (1/2)     | 100.0% (1/1)    | .1385   | 18.4% (14/76)    |
| Neurologic morbidity and mortality (excluding ruptured, dissecting, or fusiform aneurysms) | 3.8% (11/293)   | 0.0% (0/12)    | 6.4% (14/218)    | 11.8% (2/17)    | 20.5% (8/39)    | 20.0% (1/5)     | .0005   | 6.2% (36/585)    |