Supplementary Table S1: Recurrence Rates (Historical Controls)

|                                      | No. of Cases | Recurrence | Recurrence Percentage |
|--------------------------------------|--------------|------------|-----------------------|
| **Embo Only**                        |              |            |                       |
| Hashimoto et al                      | 4            | 0          | 0.00%                 |
| Hirai et al                          | 2            | 0          | 0.00%                 |
| Link et al                           | 6            | 0          | 0.00%                 |
| Mino et al                           | 2            | 0          | 0.00%                 |
| Tiwari et al                         | 13           | 0          | 0.00%                 |
| **Total**                            | 27           | 0          | 0.00%                 |
| **Burr Hole Drainage with and without Irrigation** |              |            |                       |
| Mori et al                           | 499          | 48         | 9.62%                 |
| Torihashi et al                      | 337          | 61         | 18.10%                |
| Santarius et al                      | 215          | 36         | 16.74%                |
| **Total**                            | 1051         | 145        | 13.80%                |
| **Craniotomy**                       |              |            |                       |
| Lee et al                            | 134          | 25         | 18.66%                |
| Robinson et al                       | 10           | 2          | 20.00%                |
| **Total**                            | 144          | 27         | 18.75%                |
| **Medical Management**               |              |            |                       |
| Delgado-Lopez et al                  | 101          | 28         | 27.72%                |
| Pichert et al                        | 56           | 8          | 14.29%                |
| Poulsen et al                        | 47           | 0          | 0.00%                 |
| **Total**                            | 204          | 36         | 17.65%                |
| **Observation Only**                 |              |            |                       |
| Kim et al                            | 16           | 3          | 18.75%                |
| Sun et al                            | 4            | 2          | 50.00%                |
| Parlato et al                        | 5            | 0          | 0.00%                 |
| Embolization  | Number of Cases | Complete Reduction | Partial Reduction | No Change | Increase in Volume | Average Follow-Up Period (months) |
|--------------|----------------|--------------------|-------------------|-----------|--------------------|-----------------------------------|
| **Hashimoto et al** | 2          | 1                  | 1                 | 0         | 0                  | 3.50                              |
| **Hirai et al**     | 2          | 1                  | 0                 | 1         | 0                  | 8.00                              |
| **Link et al**      | 6          | 2                  | 4                 | 0         | 0                  | 2.33                              |
| **Mino et al**      | 2          | 0                  | 2                 | 0         | 0                  | 6.00                              |
| **Tiwari et al**    | 13         | 4                  | 8                 | 1         | 0                  | 5.70                              |
| **Total**           | 25         | 8                  | 15                | 2         | 0                  | 4.92                              |

**Surgical**

| **Xu et al** | 63 | 35 | 16 | 12 | 0 | 3.00 |
| **Total**    | 63 | 35 | 16 | 12 | 0 | 3.00 |

**Medical Management**

| **Wang et al** | 23 | 17 | 5  | 0  | 1 | 3.00 |
| **Poulsen et al** | 47 | 0  | 47 | 0  | 0 | 1.50 |
| **Kageyama et al** | 21 | 8  | 12 | 0  | 1 | 1.93 |
| **Total**       | 91 | 25 | 64 | 0  | 2 | 1.98 |

**Observation**

| **Kim et al**  | 16 | 13 | 0  | 0  | 3 | 4.25 |
| **Parlato et al** | 24 | 5  | NR | NR | NR | 1.50 |
| **Lusins et al** | 9  | 0  | 9  | 0  | 0 | 1.50 |
| **Lee et al**   | 40 | 2  | NR | NR | NR | 1.50 |
| Naganuma | 4 | 4 | NR | NR | NR | 6.74 |
|----------|---|---|----|----|----|------|
| Total    | 93| 24| 9  | 0  | 3  | 2.20 |

**Supplementary Table S3: Patient Demographics and Clinical Characteristics**

|                | N = 10                      |
|----------------|----------------------------|
| Average Age    | 71.40 ± 16.58               |
| Gender (M:F)   | 7:3                        |
| Trauma         | 5                          |
| Antiplatelet or Anticoagulant Use | 6                  |
| Prior Surgical Hematoma Removal | 5                    |
| Symptomatic    | 10                         |
| Bilateral Hematomas | 3                   |
| Unilateral Hematomas | 7                |

**Supplementary Table S4: Wilcoxon Score Index based Recurrence Rates**

|                | 95% Confidence | 99% Confidence |
|----------------|----------------|----------------|
| Embolization   | 0%-12.5%       | 0%-19.73%      |
| Traditional Method | 11.8%-16.0% | 11.3%-16.8%    |