

Supplement table 1 Result of scores

| Specimens NO | inflammation | injury | thrombus | Angiogenesis | fibrosis | Void Spaces | Notes |
|--------------|--------------|--------|----------|--------------|----------|-------------|-----------------------------|
| 1 | 1 | NA | 2 | NA | 2 | NA | Destruction of vessel walls |
| 2 | 1 | NA | 1 | NA | 1 | YES | Destruction of vessel walls |
| 3 | 2 | 2 | 2 | 1 | 2 | YES | NA |
| 4 | 2 | 2 | 1 | 3 | 2 | YES | NA |
| 5 | 1 | NA | 2 | NA | 2 | NA | Destruction of vessel walls |
| 6 | 2 | NA | 2 | NA | 3 | NA | Destruction of vessel walls |
| 7 | 2 | 2 | 2 | 1 | 1 | YES | NA |
| 8 | 1 | NA | 1 | 2 | 2 | NA | Destruction of vessel walls |
| 9 | 2 | 1 | 2 | 3 | 2 | YES | NA |

Reference score standards were following ;

Supplement table 2 Histopathology of inflammation

| Score | |
|-------|---|
| 0 | No inflammation cell |
| 1 | A small amount of inflammatory cell aggregates |
| 2 | Mild inflammation cell local infiltration |
| 3 | Middle inflammation cell multiple and local diffuse |
| 4 | Severe inflammation infiltration |

Supplement table 3: injury score

| Score | |
|-------|--|
| 0 | NO |
| 1 | Between vessel intima and media area |
| 2 | Between vessel media and adventitia area |
| 3 | Between vessel adventitia and serosa |
| 4 | In serosa |

Supplement table 4: thrombus score

| Score | |
|-------|--|
|-------|--|

| | |
|---|----------------------------|
| 0 | NO |
| 1 | ≤25% luminal area |
| 2 | ≥25% and ≤50% luminal area |
| 3 | ≥50% and ≤75% luminal area |
| 4 | ≥75% luminal area |

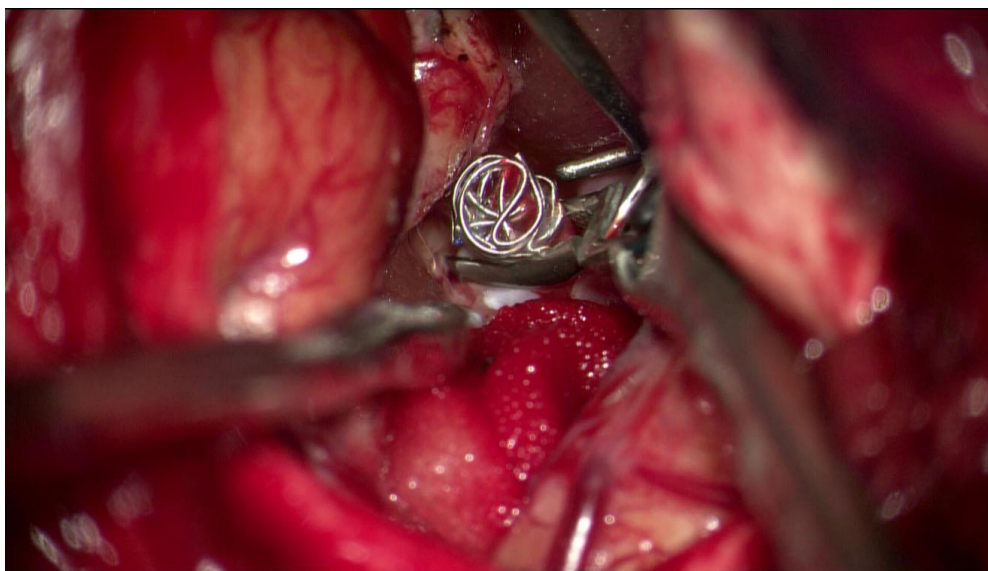
Supplement table 5: Angiogenesis score

| Score | |
|-------|----------------------------|
| 0 | NO |
| 1 | ≤25% implant area |
| 2 | ≥25% and ≤50% implant area |
| 3 | ≥50% and ≤75% implant area |
| 4 | ≥75% implant area |

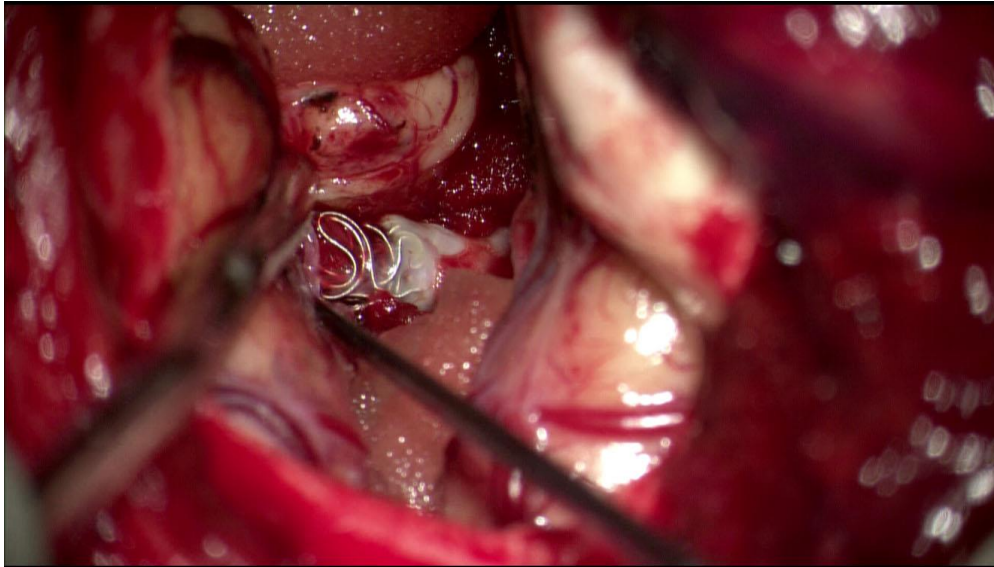
Supplement Table 6: fibrosis score

| Score | |
|-------|----------------------------|
| 0 | NO |
| 1 | ≤25% luminal area |
| 2 | ≥25% and ≤50% luminal area |
| 3 | ≥50% and ≤75% luminal area |
| 4 | ≥75% luminal area |

Supplement figure 1: the aneurysm clipping process



Supplement figure 2: the aneurysm clipping process



Supplement figure 3: aneurysm clipping operative angiography

