### Supplement table 1 Result of scores

<table>
<thead>
<tr>
<th>Specimens NO</th>
<th>inflammation</th>
<th>injury</th>
<th>thrombus</th>
<th>Angiogenesis</th>
<th>fibrosis</th>
<th>Void Spaces</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>NA</td>
<td>2</td>
<td>NA</td>
<td>2</td>
<td>NA</td>
<td>Destruction of vessel walls</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>NA</td>
<td>1</td>
<td>NA</td>
<td>1</td>
<td>YES</td>
<td>Destruction of vessel walls</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>YES</td>
<td>NA</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
<td>YES</td>
<td>NA</td>
</tr>
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<td>NA</td>
<td>2</td>
<td>NA</td>
<td>2</td>
<td>NA</td>
<td>Destruction of vessel walls</td>
</tr>
<tr>
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<td>2</td>
<td>NA</td>
<td>2</td>
<td>NA</td>
<td>3</td>
<td>NA</td>
<td>Destruction of vessel walls</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>YES</td>
<td>NA</td>
</tr>
<tr>
<td>8</td>
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<td>2</td>
<td>2</td>
<td>NA</td>
<td>Destruction of vessel walls</td>
</tr>
<tr>
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<td>2</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>YES</td>
<td>NA</td>
</tr>
</tbody>
</table>

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