Infected Endografts After EVAR

Is Graft Excision Mandatory?

A New Treatment Paradigm

Mycotic Aneurysm

Septic, back pain.

WBC 33
CRP 260

Day 1.  Day 4.  Postop 12 Mo

Septic, back pain.

WBC 33
CRP 260

Days 0 1 2 3 4 5 6 7
Primary Mycotic Pseudoaneurysm

Pre

Majority Heal with EVAR
86% Survival

Infected Stentgrafts???

Drainage of Infected Sac
Infected Stentgrafts???

Drainage of Infected Sac

6.5 cm
Pre-Drainage

3 yrs FU
Gone!

Resection of Infected Sac

Preop
Postop
24 Mo

Resection of Infected Sac

Preop
Postop
24 Mo
**BACT. CULTURES**

<table>
<thead>
<tr>
<th>Strains</th>
<th>Primary Myotic Anurysm</th>
<th>Graft infection</th>
<th>Exit graft infection</th>
</tr>
</thead>
<tbody>
<tr>
<td>G+</td>
<td></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>G-</td>
<td></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Mix</td>
<td></td>
<td>5</td>
<td></td>
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<tr>
<td>Neg.</td>
<td></td>
<td>15</td>
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</tbody>
</table>

**Results**

Non-Radical Treatment

<table>
<thead>
<tr>
<th></th>
<th>30-d Mortality</th>
<th>Late Mortality (Disease Related)</th>
<th>Σ Mortality (Disease Related)</th>
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<tbody>
<tr>
<td></td>
<td>7 % (3)</td>
<td>27 % (12)</td>
<td>30 % (15)</td>
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</tbody>
</table>

Inoperable Pts: 3 (4) Died

**Infected Aortic Aneurysms**

**Conclusions**

- Most Infected Aneurysms Don’t Need Radical Surgery
- Less Surgical Trauma
- Lower Early Mortality
- Similar or Better Long Term Survival
- Many Infections Do Heal