New Findings From IRAD on Management of Uncomplicated TBAD Patients: Predictors of Progression; When Early TEVAR; When Medical Treatment and Observation

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VEITH
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Predictors of Remodeling Complications

Predictors of Late Aortic Growth

Table VIII. Quality of evidence

Disclosures

Grants: Gore WL, Medtronic inc.

Consultant and Speaker: Gore WL, Medtronic inc.

Predictors of Remodeling Complications

(continued...)

11/13/2018
### New Information from the IRAD Registry

**Type B Uncomplicated BMT vs TEVAR**

Jan 1996 - July 2017: 2153 overall

<table>
<thead>
<tr>
<th>Type &amp; Uncomplicated</th>
<th>BMT</th>
<th>TEVAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall 1070</td>
<td>934 (90.9%)</td>
<td>97 (9.1%)</td>
</tr>
</tbody>
</table>

Uncomplicated TBAD was defined as the absence of the following:

- aortic rupture, shock/hypotension
- pericardial tamponade, cardiac tamponade
- intracranial bleeding, subarachnoid hemorrhage
- spinal cord ischemia
- coma
- recurrent or refractory pain, refractory hypertension
- descending aortic diameter > 5.4 cm
- worsening of bleeding

Spinelli D. et al. Unpublished data

### New Information from the IRAD Registry

**Survival 1 yr**

<table>
<thead>
<tr>
<th>Type &amp; Uncomplicated</th>
<th>BMT</th>
<th>TEVAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.9 ± 1.0</td>
<td>97.1 ± 2.8</td>
<td></td>
</tr>
</tbody>
</table>

**Survival 3 yr**

<table>
<thead>
<tr>
<th>Type &amp; Uncomplicated</th>
<th>BMT</th>
<th>TEVAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>86.7 ± 1.8</td>
<td>88.7 ± 6.3</td>
<td></td>
</tr>
</tbody>
</table>

**Survival 5 yr**

<table>
<thead>
<tr>
<th>Type &amp; Uncomplicated</th>
<th>BMT</th>
<th>TEVAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>76.7 ± 2.7</td>
<td>79.9 ± 1.4</td>
<td></td>
</tr>
</tbody>
</table>

Spinelli D. et al. Unpublished data

### New Information from the IRAD Registry

**Uncomplicated (%) Complicated (%) p-value**

Jan 1996 - August 2017: 2251 overall

<table>
<thead>
<tr>
<th>In-Hospital Mortality</th>
<th>Uncomplicated (%)</th>
<th>Complicated (%)</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 (2.5%)</td>
<td>217 (77.5%)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Van Bakel D. et al. In submission

### New Information from the IRAD Registry

**When early TEVAR for TBAD**

Favorable Neck for standard TEVAR

<table>
<thead>
<tr>
<th>Unfavorable Neck for standard TEVAR</th>
</tr>
</thead>
</table>

The image contains a table providing data on survival rates and an image illustrating the comparison between favorable and unfavorable necks for standard TEVAR.

### New Information from the IRAD Registry

**When Medical Treatment and Observation**

The image contains another table that compares medical treatment and observation outcomes between favorable and unfavorable necks for standard TEVAR.
Anatomical considerations:

Favorable Neck for Standard TEVAR

Unfavourable Anatomy for Standard TEVAR
Unfavourable Anatomy for Standard TEVAR

Favourable Anatomy for Standard TEVAR, but CTD

Ehlers - Danlos

Conclusions

New Findings From IRAD on Management of Uncomplicated TBAD Patients:
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