Why the STABILISE technique with overexpansion of the distal uncovered stent component of the PETTICOAT endograft (proximal covered, distal uncovered) is a major advance in treating TBADs: when and how to do it.

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Disclosures

PI/Co-PI for several thoracic and abdominal aortic stent graft trials (Cook, Inc., Cordis® Corporation, Bolton Medical)
Proctor and lecturer at symposia hosted by Cook, Inc., Bolton, W.L. Gore and Associates, Jotec and Medtronic, Inc.

PETTICOAT

Faure EM et al., J Vasc Surg '14

Acute TBD & malperfusion
After PETTICOAT

TRUE LUMEN
FALSE LUMEN

STABILISE concept

PETTICOAT + STABILISE (TEE)

Pre
After EG release
After ballooning

STABILISE results

<table>
<thead>
<tr>
<th>Variable</th>
<th>TEVAR (n=23)</th>
<th>PETTICOAT (n=40)</th>
<th>p value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intraop. death</td>
<td>4%</td>
<td>0%</td>
<td>.36</td>
</tr>
<tr>
<td>Complication</td>
<td>9%</td>
<td>3%</td>
<td>.55</td>
</tr>
<tr>
<td>Bowel ischemia</td>
<td>17%</td>
<td>0%</td>
<td>.01</td>
</tr>
<tr>
<td>Limb ischemia</td>
<td>9%</td>
<td>0%</td>
<td>.12</td>
</tr>
<tr>
<td>30-days mortality</td>
<td>9%</td>
<td>5%</td>
<td>.62</td>
</tr>
<tr>
<td>Reintervention</td>
<td>43%</td>
<td>11%</td>
<td>.007</td>
</tr>
</tbody>
</table>
Re-entry occlusion

Vessels from FL protection

Vessels from FL protection

STABILISE at 1 year
SAFETY MEASURES

10% MAX SG OVERSIZE, LATEX BALLOON ONLY INSIDE SG

SAFETY MEASURES

NON-COMPLIANT BALLOON SIZED TO WHOLE AORTA INSIDE BARE STENTS

Final thoughts …

“STABILISE” …. works !!

But we do need to collect high quality data in an International Registry

Satisfactory short-term outcomes of the STABILISE technique for type B aortic dissection


STABILISE REGISTRY

Approved by EC, ClinicalTrials.gov NCT3707743

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STABILISE REGISTRY

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PLEASE JOIN… stabiliseregistry@gmail.com