**Neurologic Complications after TEVAR**

- Spinal cord ischemia (SCI) 0 - 12.5%
- Stroke 0 - 9.5%

<table>
<thead>
<tr>
<th>Procedure</th>
<th>30-Day Mortality</th>
<th>SCI</th>
<th>Stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA/Diss/PAU</td>
<td>103</td>
<td>9</td>
<td>6.8</td>
</tr>
<tr>
<td>Zenith DA/Diss</td>
<td>100</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>k.A. k.A.</td>
<td>105</td>
<td>7.6</td>
<td>4.8</td>
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<tr>
<td>TAG/Talent DA/Diss/PseudoA</td>
<td>110</td>
<td>3.6</td>
<td>0.6</td>
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<tr>
<td>TAG DA/Diss/PseudoA/PAU</td>
<td>156</td>
<td>3.8</td>
<td>0.6</td>
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<tr>
<td>Talent/Zenith DA/Diss/Trauma</td>
<td>457</td>
<td>5</td>
<td>1.7</td>
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<tr>
<td>TAG/Zenith/Talent DA/Diss/PAU</td>
<td>121</td>
<td>5</td>
<td>6.6</td>
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<tr>
<td>TAG</td>
<td>140</td>
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<td>2.9</td>
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<tr>
<td>E-vita/Relay DA/Diss/Trauma</td>
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<td>1.5</td>
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<tr>
<td>Zentith DA/Diss</td>
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<td>3.1</td>
</tr>
<tr>
<td>Talent DA</td>
<td>195</td>
<td>2.1</td>
<td>8.7</td>
</tr>
</tbody>
</table>

**Risk factors for paraplegia in TAAA:**
- Overstenting LSA, Internal iliac
- Previous infrarenal surgical graft or stent graft
- Length of aortic coverage
- Immediate thrombosis of aneurysm
- Hypotension peri- / postoperativ
- No Spinaldrainage?

**TAAA**

Risk of paraplegia in extensive coverage of the thoracoabdominal aorta >20%
Possible additional aortic coverage in T-Branch for TAAA.

“2in1” for secure implantation of T-Branch (proximal ≥34mm) in the distal Descendens ≥28mm.

“Thoracic Reducing Union”

External stent graft - 36-44 mm
Internal - 32 mm

CMD Cook®

External stent graft - 36-44 mm
Internal - 32 mm

F 22 Sheath
Conclusion

"2 in 1" Stentgraft allows secure T-Branch seal in the distal descending aorta with diameter 30-38mm without extension of the aortic coverage.