

When and How to Incorporate Adjunctive Proximal Sealing Technology Such as EndoAnchors



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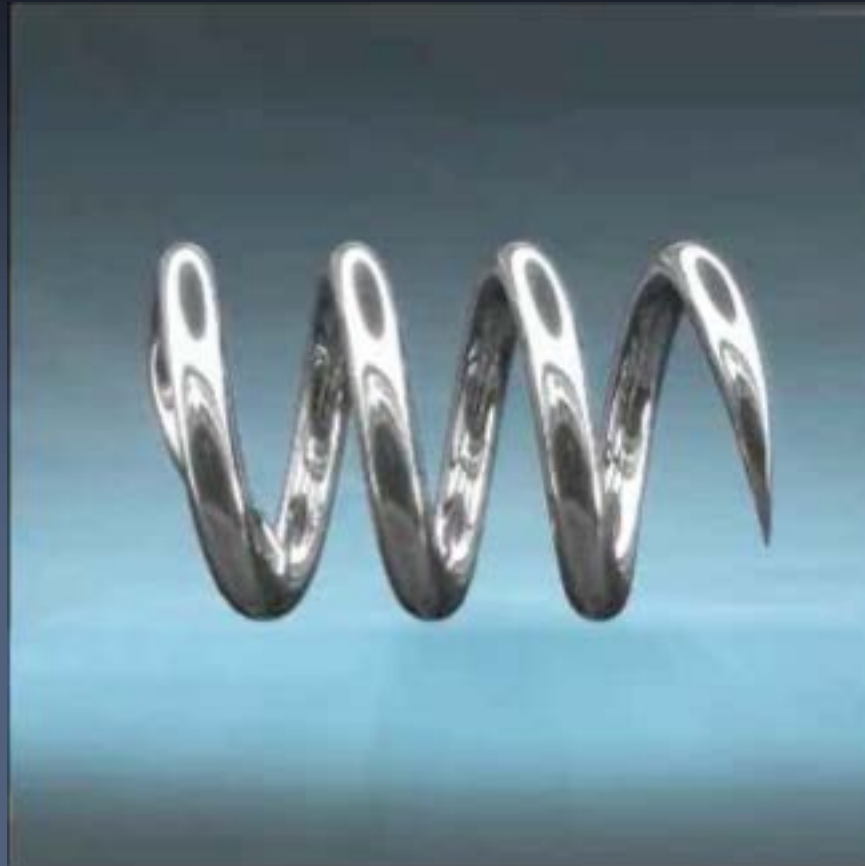


Washington University in St. Louis

SCHOOL OF MEDICINE

Disclosure

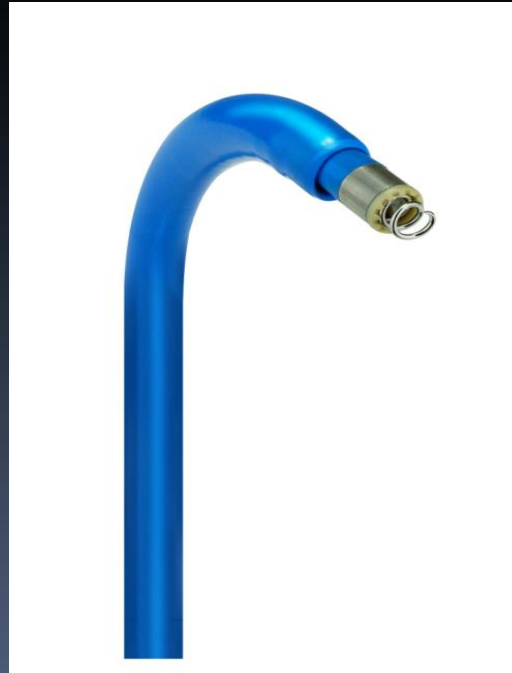
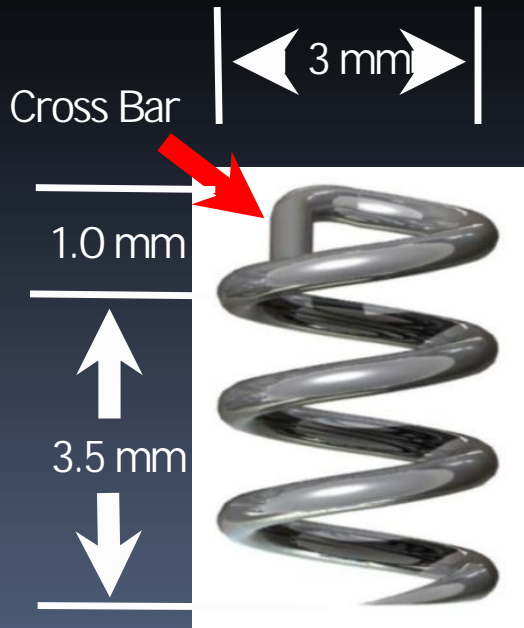
- Medtronic: consultant/speaker; research (clinical trials)







Proximal Type Ia Endoleaks

- Loss of proximal fixation from continued neck expansion or inadequate seal from hostile neck
- Most challenging type of endoleak to address
- Endovascular secondary interventions (INFRARENAL)
 - Aortic cuff placement
 - Placement of EndoAnchors
 - Conversion to aorto-uni-iliac repair w/femoral to femoral bypass
 - Proximal stent placement (Palmaz); coil embolization
- Endovascular secondary interventions (JUXTARENAL)
 - Chimneys, snorkels, periscopes
 - Fenestrated/branched endografts
- Open conversion
 - Explant (complete or partial) of endograft components

EndoAnchors



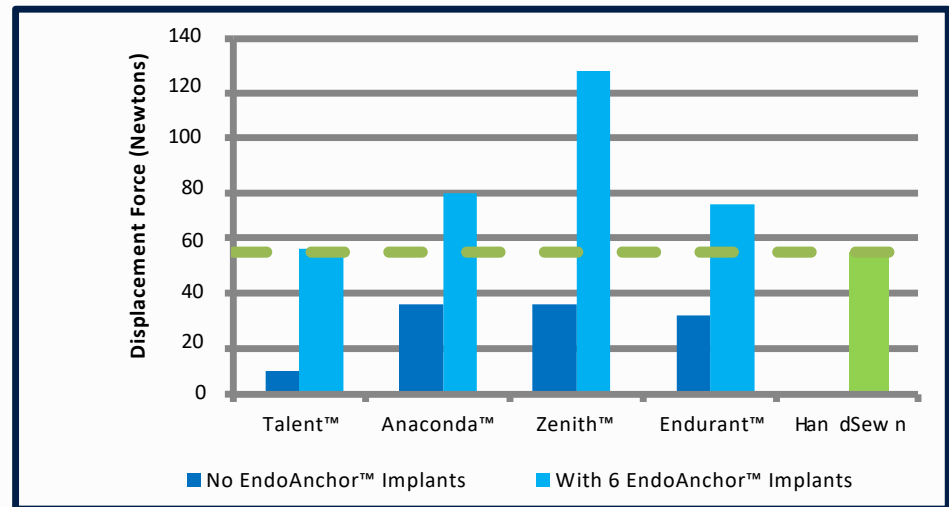
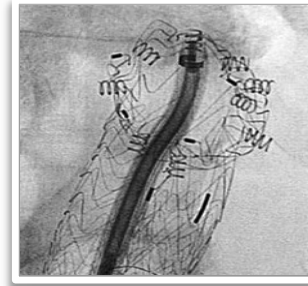
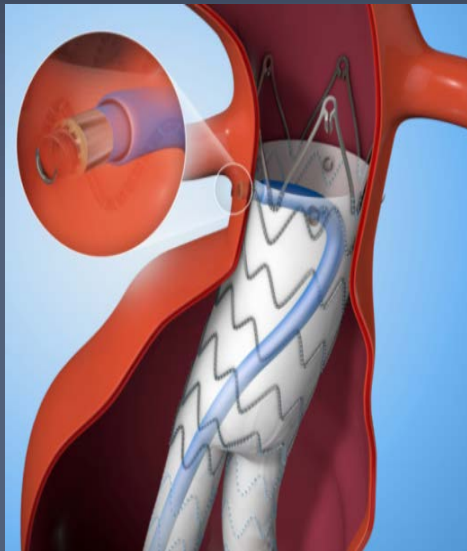
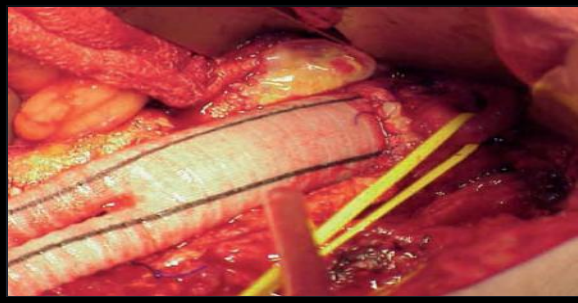
The Aptus EndoAnchor and Heli-FX have been evaluated and determined to be compatible with the following endografts:

 <p>Medtronic Endurant® Medtronic Valiant® Medtronic AneuRx®* Medtronic Talent®* * No longer commercially available in the U.S.</p>	 <p>Cook Zenith® Cook Zenith TX2®</p>	 <p>Gore Excluder® Gore TAG®</p>	<p>EndoAnchor use with endografts other than those listed has not been evaluated.</p>  <p>Jotec E®-vita</p>
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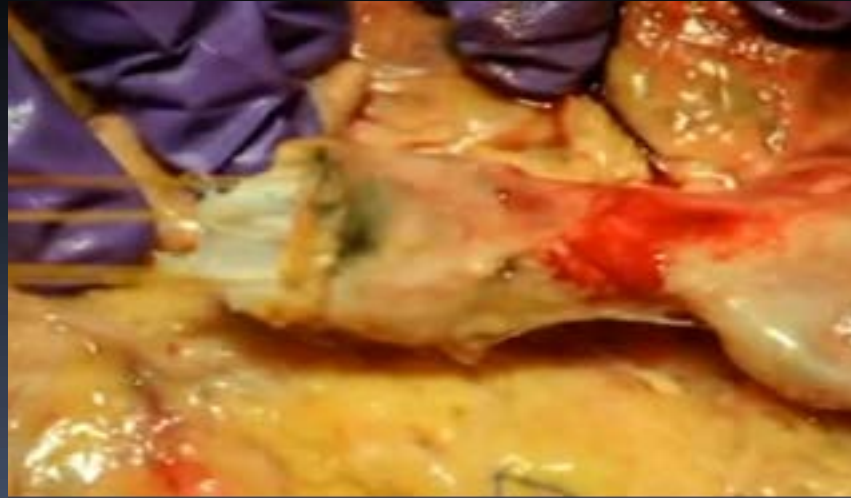
- Medtronic does not recommend off-label use of endografts
- Use of EndoAnchors does not change the indications of the stent graft

EndoAnchors

- Mimicking and replicating sutured anastomosis

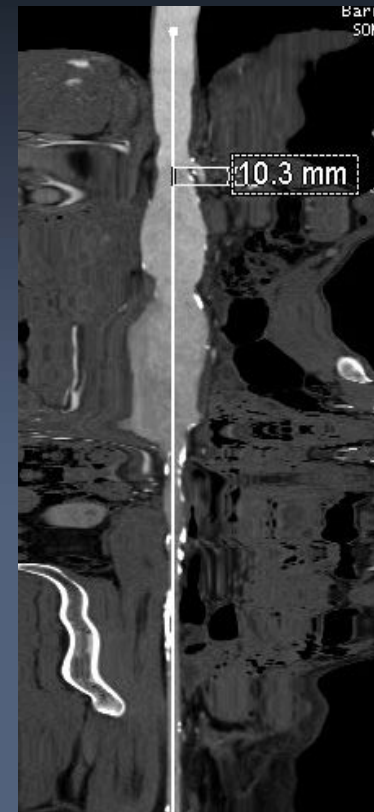
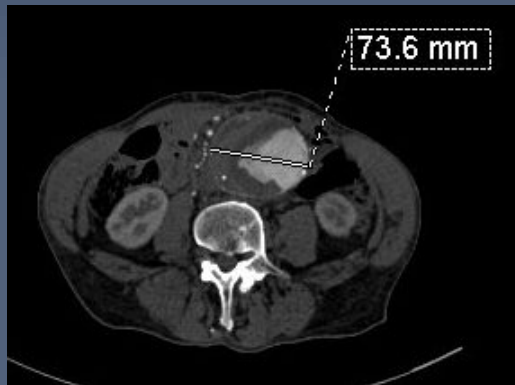


EndoAnchors



Treatment of Endoleak

- 72M incidental AAA
 - Aortic neck (10 mm; conical 21 to 25 mm)

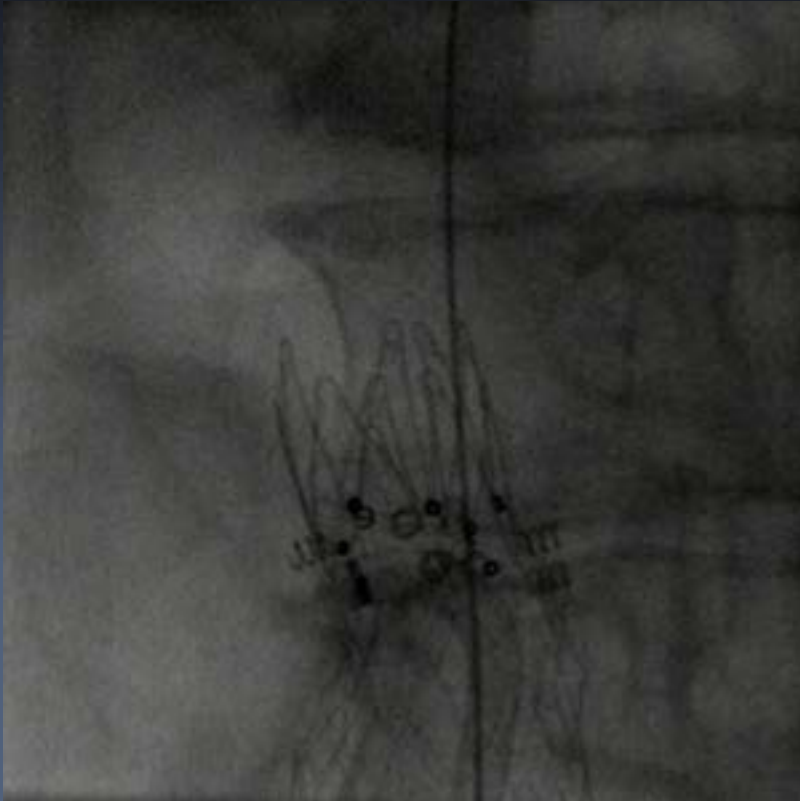


Treatment of Endoleak



Treatment of Endoleak

- Placement of 8 EndoAnchors



Utilization of Endoanchors

- Treatment of endoleak (index operation or 2^o reintervention)
- Prophylactic utilization in “high risk” necks
 - Prevention of neck dilatation
 - Regression in sac size
- October 2017
 - Short neck

EXPANDING PATIENT CARE OPTIONS

**THE FIRST APPROVED
OFF-THE-SHELF SHORT
NECK EVAR SOLUTION**

Indicated for patients with necks
<10mm length and ≥4mm and
≤60° infrarenal angle

Endurant™ II/IIIs
AAA Stent Graft System
and
Heli-FX™
EndoAnchor™ System

Short Neck: Endoanchors + Endurant

- Subset of 70 patients between 4 and <10 mm (mean <7 mm) infrarenal neck in ANCHOR registry
 - No sac expansion, no migration at 12 months



Benjamin Starnes
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Follow

B.D.E....I ❤️ staples...#anchors4shortneck

Medtronic APV @MedtronicAPV
1st off-the-shelf FDA-approved endovascular solution for aortic necks less than 10mm. Learn More: pnw-b.ctx.ly/r/5u4qf

5:48 PM - 23 Oct 2017

Summary

- Nothing replaces careful preoperative planning
- EndoAnchors augments EVAR (TEVAR), but does not replace adequate seal zone
- Consider use of EndoAnchors in:
 - All revision procedures (as sole treatment)
 - Therapeutic use in index/primary procedures
 - Prophylactic utilization in “high risk” aortic necks
 - Treatment of “short neck” aneurysms
- EndoAnchors are an essential part of the armamentarium of an aortic surgeon
- Have EndoAnchors available prior to all procedures

PACIFIC NORTHWEST
ENDOASCULAR
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Questions???