ADVANCING EVAR – INITIAL IMPRESSIONS OF LOW PROFILE ENDURANT EVO STENT GRAFT SYSTEM

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I have the following potential conflicts of interest to report:

- Medtronic
- Gore
- Philips
- Endologix
July, 2008

Endurant

- Suprarenal stents with anchoring pins laser cut from a solid piece of nitinol
- “M” Stents maximizing conformability and seal
January, 2012

Endurant II

- Longer limbs (156 mm, 199 mm)
- Reduction in profile from 20 to 18 Fr
- Improved contralateral gate visualization
October, 2014

Endurant IIs

- Introducing three piece system with in-situ sizing
- Up to 20% reduction in distal diameter
GOLD STANDARD CLINICAL DATA

Durable, consistent performance in straight-forward and challenging anatomies

US IDE Trial
- 150 pts
- 5 yr FU

ENGAGE Registry
- International multicenter registry
- 1263 patients
- 4 yr FU

297 peer reviewed publications citing Endurant (Nov 2015)
MEET EVO

EVAR SIMPLIFIED

- Trusted Platform
- Simplified Procedure
- Enhanced Treatment Options
TRUSTED PLATFORM

DELIVERING PEACE OF MIND

- No migration*
- Rare type I endoleaks*
- High sac shrinkage*

* From US IDE
SIMPLIFIED PROCEDURE
INCREASING CONFIDENCE

- New delivery system
- Sideport for quick side-branch visualization
- Elimination of tip recapture and re-sheathing processes
SIMPLIFIED PROCEDURE
ERGONOMIC DESIGN WITH RINED DELIVERY SYSTEM

Front Grip
Retractor
Handle
SIMPLIFIED PROCEDURE
SIDEPORT FOR DELIVERY OF CONTRAST MEDIA
SIMPLIFIED PROCEDURE
TIP RECAPTURE AND RE-SHEATHING STEPS ELIMINATED

Deploy
Release
Retract
ENHANCED TREATMENT OPTIONS

- Low Profile
- Three Piece Design for In-Situ Sizing
- Helical Limbs
ENHANCED TREATMENT OPTIONS
LOW PROFILE WITHOUT COMPROMISING DURABILITY

3 Fr reduction in profile

18 Fr OD (6 mm)  15 Fr OD (5 mm)

Endurant II  Endurant Evo

Same material
- Flatter
- Stronger
- Less porous

Cross section of constrained stent graft
ENHANCED TREATMENT OPTIONS
LOWER PROFILE - GREATER VERSATILITY
ENHANCED TREATMENT OPTIONS

IMPROVED THREE PIECE SYSTEM

- Main body lengths: 2 sizes (41 & 61 mm)
- Bilateral modification of overlap
- Iliac limb & extension length range: 54-200 mm
- Limb diameter range: 8-28 mm

*Improved patient customization*
ENHANCED TREATMENT OPTIONS

SMALLER UNIDOCK DESIGN ALLOWS FOR USE IN TIGHTER DISTAL AORTA

Limb diameter reduction from:

16 mm  14 mm

Endurant II  Endurant Evo

23% reduction in cross-sectional area
ENHANCED TREATMENT

HELICAL LIMBS DESIGNED TO PERFORM IN COMPLEX ANATOMY

INCREASED FLEXIBILITY
ENDURANT EVO GLOBAL CLINICAL PROGRAM

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<thead>
<tr>
<th>Design</th>
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<tbody>
<tr>
<td>Prospective, multi-center, pre-market, non-randomized, single-arm trial</td>
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<th>Endpoints</th>
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<tr>
<td>• <strong>Safety</strong>: Major Adverse Events (MAEs) within 30-days post-implantation</td>
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<td>• <strong>Effectiveness</strong>: Technical success at index procedure and treatment success at 12-months</td>
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<th>Enrollment</th>
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<td>30 sites worldwide</td>
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<td>140 subjects (minimum 70 US)</td>
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<td>First patient in: April 2015</td>
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CASE EXAMPLE

PRE-OP

Male, 78 yrs old, obese

Neck length: 32 mm
Neck diameter: 22 mm
AAA diameter: 63 mm
Length renal-internal:
  • 207 mm right
  • 212 mm left
Iliac diameter:
  • 14 mm right
  • 12 mm left
Medical history:
  • PCI
  • PTCA
  • Pacemaker
CASE EXAMPLE

INITIAL DEPLOYMENT
CASE EXAMPLE

FINAL ANGIO
CASE EXAMPLE
POST-OP
THANK YOU
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