DEMAND RESULTS.
TRUST ENDURANT™.
THE ENDURANT™ II SYSTEM

FAMILY OF PRODUCTS

- Includes Endurant™ II, Endurant™ II AUI and Endurant™ IIs stents.
- Designed to meet a wide range of patient anatomies.
- Utilizes the Endurant™ II delivery system allowing for accurate placement and controlled deployment.

ENDURANT™ IIs SYSTEM

A three-piece system that leverages the proven design of the Endurant™ II abdominal stent graft. Endurant™ IIs system expands anatomical customization options.

- Provides up to a 20% reduction in distal diameter compared to select Endurant™ II stent bifurs.
- Enables in situ sizing with select ipsilateral limbs, allowing a 3–5 stent overlap for adjustment during case.
- Allows easier pre-case planning to simplify sizing.

A. Flexibility & Conformability
- Designed to conform to the natural tortuosity of the vessel.
- Low profile, hydrophilic delivery coating to enhance access and trackability.

B. Accurate Placement & Controlled Deployment
- Flexible, kink-resistant delivery system facilitates stent graft delivery.
- Tip capture for precise positioning adjustments, including adjustment of placement proximally or distally.

C. Optimal Seal & Fixation
- M-shaped proximal stents provide wall apposition and minimize in-folding.
- Suprarenal stent anchor pins provide secure fixation.

D. Durability & Strength
- High density, multifilament polyester graft material provides lower porosity for resistance against aneurysm sac growth.

Endurant™ II system

Includes Endurant™ II, Endurant™ II AUI and Endurant™ IIs stents.

Utilizes the Endurant™ II delivery system allowing for accurate placement and controlled deployment.

The only device with an FDA-approved AUI indication.

Data on file at Medtronic.
Endurant™ II/IIs system Instructions for Use As of May 2016.

* Bench test data on file at Medtronic. Bench test data may not be indicative of clinical performance.
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THE ENDURANT™ II SYSTEM
PRODUCT FEATURES

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OVER 15 YEARS OF ENDOVASCULAR ACHIEVEMENT.

NOVEL MULTIDISCIPLINARY APPROACH TO OPTIMIZE KEY ATTRIBUTES

- Sealing
- Durability
- Conformability in Tortuous Anatomies
- Fixation
- Delivery System Performance

PERFORMANCE
- Expanded Applicability of EVAR
- Short, Angulated Proximal Necks
- Conform to Challenging Anatomy
- Trackability through Tortuous Anatomy
- Expanded Patient Customization Options
- Compatible with Aptus™ EndoAnchor™ System

Endurant™ system has unparalleled clinical experience with over 250,000 patients.

Pre-procedure and one-month follow-up of Endurant™ AAA stent graft. Results may vary.

PROXIMAL MIGRATION

- Proximal migration is observed when the stent graft covers a renal artery or moves > 10 mm.

DISTAL MIGRATION

- Distal migration is observed when the graft moves > 10 mm relative to fixed anatomic landmarks.

†2013 Endurant™ system Clinical Update
‡Proximal migration is observed when the stent graft covers a renal artery or moves > 10 mm.

Migration at 5 years

Pre-procedure and one-month follow-up of Endurant™ AAA stent graft. Results may vary.

Type I Endoleak at 5 years

‡Proximal migration is observed when the stent graft covers a renal artery or moves > 10 mm.

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Pre-procedure and one-month follow-up of Endurant™ AAA stent graft. Results may vary.

INTERDISCIPLINARY AND TRANSLATIONAL INNOVATION: The Endurant Stent Graft…From Bedside to Benchtop and Back to Bedside Frank R. Arko, MD; William D. Jordan, Jr., MD; Sam Robaina, MS; M. Zachary Arko; Thomas J. Fogarty, MD; Michel S. Makaroun, MD; and Hence J.M. Verhagen, MD. J ENDOVASC THER 2011;18:779–785
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ATRIBUTES
- Sealing
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Pre-procedure and one-month follow-up of Endurant™ AAA stent graft. Results may vary.
Tip capture for precise positioning adjustments, including adjustment of placement proximally or distally, even after deployment of three stent rings.¹

A backend thumb wheel provides controlled release of the suprarenal stent and anchor pins.

An advanced delivery system makes the Endurant™ II stent graft simple to place. With control at every step, you can approach more targets with confidence.

Aim accurately with four proximal markers

Easy contralateral limb placement with the flow divider marker

Facilitate gate cannulation with improved radiopacity of contralateral gate marker

e-shaped marker assists with A/P orientation

¹Data on file from the 178 De Novo patients from the ENGAGE Post-Approval Study (PAS).
²Please refer to the product Instructions For Use for details.

CONSISTENT PRECISION
CONTROLLED DEPLOYMENT

100%
PEVAR delivery/deployment success

Tip capture for precise positioning adjustments, including adjustment of placement proximally or distally, even after deployment of three stent rings.

A backend thumb wheel provides controlled release of the suprarenal stent and anchor pins.

99.3%
delivery/deployment success

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**INCOMPARABLE CLINICAL EXPERIENCE**

Enrolled and planned AAA patients

<table>
<thead>
<tr>
<th>Company</th>
<th>Number (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medtronic</td>
<td>8,583</td>
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<tr>
<td>Gore</td>
<td>6,081</td>
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<tr>
<td>Endologix/Trivascular</td>
<td>1,622</td>
</tr>
<tr>
<td>Cook</td>
<td>2,934</td>
</tr>
<tr>
<td>Cordis</td>
<td>4,465</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>9,890</strong></td>
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</tbody>
</table>

**Medtronic Endurant™ II** (N=1,895)

EU TRIAL
1 yr N=80
France Post Approval
3 yrs N=180
US Post Approval
4 yrs N=178
ENGAGE Global Registry
4 yrs N=1,263
US IDE AUI Arm
5 yrs N=44
US IDE Bifurcated Arm
5 yrs N=150

Only Endurant™ system has the deep clinical experience and favorable clinical outcomes designed to treat both challenging and straightforward anatomy. Endurant™ system is the device of choice—globally, 1 out of 2 EVAR devices used is an Endurant™ system.

**THERE IS NO NEED TO COMPROMISE ON CLINICAL RESULTS**

**CLINICAL ENDPOINTS**

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>ENGAGE Registry</th>
<th>US IDE Trial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Conversion</strong></td>
<td>1.1%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Type I/III Endoleak</strong></td>
<td>2.2%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Migration (main body)</strong></td>
<td>0.1%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Sac size decrease or stable</strong></td>
<td>89.2%</td>
<td>95.2%</td>
</tr>
<tr>
<td><strong>Aneurysm Related Mortality</strong></td>
<td>98.3% (FF)</td>
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</tr>
<tr>
<td><strong>Secondary Procedure</strong></td>
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**CLINICAL ENDPOINTS RESULTS**

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- 2.2% Type I/III Endoleak
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**The Endurant™ stent graft system 5 Year Long-Term Outcomes Reinforced in Independent PANDORA Registry**

All-comer patient population
- 49% neck lengths 10mm to 15mm
- 7% symptomatic patients
- 2% contained ruptured aneurysm

No exclusion criteria

**PANDORA Registry,†**

- **AAA-related Reintervention** 9.5%
- **Type I/III Endoleak** 2%
- **Migration (proximal)** 0%
- **AAA-related Mortality** 0.3%

---

*Medtronic data on file. Third-party trademarks found in this literature are property of their respective owners.
†Endologix = 2,934, Trivascular = 1,622
§Verhagen, Hence. VEITH 2015. Medtronic database
Singh, Michael. SVS 2015/ Endurant US IDE. Medtronic database
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<tr>
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<td>4465</td>
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INCOMPARABLE CLINICAL EXPERIENCE

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**PANDORA Registry,§ 5 Year Results, N=277 patients**

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§Verhagen, Hence. VEITH 2015. Medtronic database
‡Singh, Michael. SVS 2015/Endurant US IDE. Medtronic database
†Torsello, Giovanni. Charing Cross 2014 Presentation.
## COMPONENT PLACEMENT GUIDE

### ENDURANT™ II STENT GRAFT

- **Radiopaque markers**
- ***-shaped proximal markers**
- **Internal ring marker—only seen under fluoroscopy**

### PRODUCT CODES

#### ENDURANT™ II SYSTEM BIFURICATIONS

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Proximal (L)</th>
<th>Distal Design</th>
<th>Total Covered Length (mm)</th>
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<th>Catheter Diameter (F)</th>
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1. The only device with an FDA-approved AUI indication.

2. AUI: Accessory Ulnar Incision.

3. ETBF: External Bifurcation.

4. ETUF: External Ulnar Fossa.

5. ESET: External Superior Epigastric Trunk.


---

**DISTINCT RADIOPAC MARKERS**

- Radiopaque markers
- *-shaped proximal markers
- Internal ring marker—only seen under fluoroscopy

**ENDURANT™ II SYSTEM BIFURICATIONS**

- Component placement guide
- Aortic extension
- Iliac extension
- Bifurcated markers
- AUI graft
- Bifurcated graft
- Internal ring marker

**AORTIC EXTENSIONS**

- Distal covered length
- Delivery system
- Catheter diameter

**ILIAC EXTENSIONS**

- Distal covered length
- Delivery system
- Catheter diameter

---

1. The embolizes with the AUI stent graft on the posterior side.

2. The S-S stent overlapping is available only with select limbs. Please refer to the Instructions for Use for more information.

3. Requires minimum 1 stent overlap. See Instructions for Use for more information.

4. As of May 2016.
COMPONENT PLACEMENT GUIDE

ENDURANT™ II STENT GRAFT

ENDURANT™ IIs STENT GRAFT

930 different main body and limb combinations

4,500 different main body and limb combinations

DISTINCT RADIOPAQUE MARKERS

- Radiopaque markers
- Sz-shaped proximal markers

Internal ring marker—only seen under fluoroscopy

†The embolizes with the AUI stent graft on the palatinal side.

‡The 5-5 stent overlap is available only with select limbs. Please refer to the Instructions for Use for more information.

The only device with an FDA-approved AUI indication*
The Endurant™ II/Endurant™ IIIs stent graft system is contraindicated in:

- Patients who have a condition that threatens to infect the graft.
- Patients with known sensitivities or allergies to the device materials.

The Endurant™ II/Endurant™ IIIs stent graft system is not recommended in patients unable to undergo secondary interventions or surgical procedures.

- The Endurant™ II/Endurant™ IIIs stent graft system is not recommended in patients unable to undergo or who will not be compliant with the necessary preoperative and postoperative imaging and implantation studies as described in the Instructions for Use.
- Renal complications may occur: 1) From an excess use of contrast agents. 2) As a result of emboli or a misplaced stent graft. The radiopaque marker along the edge of the stent graft should be aligned immediately below the lower-most renal arterial origin.
- Studies indicate that the danger of micro-embolization increases with increased duration of the procedure.
- The safety and effectiveness of the Endurant™ II/Endurant™ IIIs stent graft system has not been evaluated in some patient populations. Please refer to the product Instructions for Use for more information regarding MRI please refer to the product Instructions for Use.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.