

# PROVEN PERFORMANCE AND DURABLE OUTCOMES. CONSISTENT RESULTS ACROSS ALL THE STUDIES.

## Medtronic sponsored trials: ENGAGE Global Registry and US IDE Trial

Medtronic's controlled US IDE Trial and global post-market registry with data from real-world clinical experience with over 1,200 patients in over 80 countries confirm that Endurant AAA Stent Graft System is highly reliable and effective after 3 to 5 years<sup>1</sup> with consistent results across all the studies.

These consistent long-term results explain why endovascular specialists see Endurant as the gold standard for EVAR in terms of proven performance and durability. For this reason, the ENGAGE Global Registry follow-up period was extended to 10 years.

| Endpoints                               | ENGAGE REGISTRY 3 years (1263 patients) | US IDE trial 5 years (150 patients) |
|---|---|-------------------------------------|
| Type I/III endoleak                     | <b>1.5 %</b>                            | <b>0 %</b>                          |
| Migration (main body)                   | <b>0 %</b>                              | <b>0 %</b>                          |
| Freedom from secondary reinterventions  | <b>89.5 %</b>                           | <b>89.0 %</b>                       |
| Freedom from aneurysm-related mortality | <b>98.5 %</b>                           | <b>99.2 %</b>                       |

## Independent Trial: PANDORA REGISTRY STUDY

All Endurant patients were included in this independent study over a period of five years<sup>2</sup>. It confirms the outstanding long-term results for Endurant and confirms the consistent performance of the stent graft in the real-world patient group compared with previous stent grafts and/or open procedure. The results bolster endovascular specialists' confidence in using Endurant as the proven gold standard for EVAR therapy.

| Endpoints PANDORA REGISTRY 5 years (277 patients) |              |
|---|--------------|
| Type I/III Endoleak                               | <b>2.0 %</b> |
| Migration (proximal)                              | <b>0 %</b>   |
| AAA-related reintervention                        | <b>9.5 %</b> |
| AAA-related mortality                             | <b>0.3 %</b> |

OVER 200 SCIENTIFIC PUBLICATIONS ON THE ENDURANT PORTFOLIO

1. Data were presented at SVS conference in June 2015.  
2. Bisdas et al. Durability of the Endurant stent graft in patients undergoing endovascular abdominal aortic aneurysm repair. J Vasc Surg 2014; 60(5):1125-31

# ENDURANT II PRODUCT CODES

## EII BIFURCATIONS

| PRODUCTS CODES |                              |                            |               |                           |                 |                             |
|----------------|------------------------------|----------------------------|---------------|---------------------------|-----------------|-----------------------------|
|                | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Covered Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ETBF           | 23                           | 13                         | C             | 124                       | EE              | 18                          |
| ETBF           | 23                           | 13                         | C             | 145                       | EE              | 18                          |
| ETBF           | 23                           | 13                         | C             | 166                       | EE              | 18                          |
| ETBF           | 23                           | 16                         | C             | 124                       | EE              | 18                          |
| ETBF           | 23                           | 16                         | C             | 145                       | EE              | 18                          |
| ETBF           | 23                           | 16                         | C             | 166                       | EE              | 18                          |
| ETBF           | 25                           | 13                         | C             | 124                       | EE              | 18                          |
| ETBF           | 25                           | 13                         | C             | 145                       | EE              | 18                          |
| ETBF           | 25                           | 13                         | C             | 166                       | EE              | 18                          |
| ETBF           | 25                           | 16                         | C             | 124                       | EE              | 18                          |
| ETBF           | 25                           | 16                         | C             | 145                       | EE              | 18                          |
| ETBF           | 25                           | 16                         | C             | 166                       | EE              | 18                          |
| ETBF           | 28                           | 13                         | C             | 124                       | EE              | 18                          |
| ETBF           | 28                           | 13                         | C             | 145                       | EE              | 18                          |
| ETBF           | 28                           | 13                         | C             | 166                       | EE              | 18                          |
| ETBF           | 28                           | 16                         | C             | 124                       | EE              | 18                          |
| ETBF           | 28                           | 16                         | C             | 145                       | EE              | 18                          |
| ETBF           | 28                           | 16                         | C             | 166                       | EE              | 18                          |
| ETBF           | 28                           | 20                         | C             | 124                       | EE              | 18                          |
| ETBF           | 28                           | 20                         | C             | 145                       | EE              | 18                          |
| ETBF           | 28                           | 20                         | C             | 166                       | EE              | 18                          |
| ETBF           | 32                           | 16                         | C             | 124                       | EE              | 20                          |
| ETBF           | 32                           | 16                         | C             | 145                       | EE              | 20                          |
| ETBF           | 32                           | 16                         | C             | 166                       | EE              | 20                          |
| ETBF           | 32                           | 20                         | C             | 124                       | EE              | 20                          |
| ETBF           | 32                           | 20                         | C             | 145                       | EE              | 20                          |
| ETBF           | 32                           | 20                         | C             | 166                       | EE              | 20                          |
| ETBF           | 36                           | 16                         | C             | 145                       | EE              | 20                          |
| ETBF           | 36                           | 16                         | C             | 166                       | EE              | 20                          |
| ETBF           | 36                           | 20                         | C             | 145                       | EE              | 20                          |
| ETBF           | 36                           | 20                         | C             | 166                       | EE              | 20                          |

## EIIS BIFURCATIONS

| PRODUCT CODES |                              |                            |               |                           |                 |                             |
|---------------|------------------------------|----------------------------|---------------|---------------------------|-----------------|-----------------------------|
|               | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Covered Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ESBF          | 23                           | 14                         | C             | 103                       | EE              | 18                          |
| ESBF          | 25                           | 14                         | C             | 103                       | EE              | 18                          |
| ESBF          | 28                           | 14                         | C             | 103                       | EE              | 18                          |
| ESBF          | 32                           | 14                         | C             | 103                       | EE              | 20                          |
| ESBF          | 36                           | 14                         | C             | 103                       | EE              | 20                          |

## AUI STENT GRAFTS

| PRODUCT CODES |                              |                            |               |                   |                 |                             |
|---------------|------------------------------|----------------------------|---------------|-------------------|-----------------|-----------------------------|
|               | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ETUF          | 23                           | 14                         | C             | 102               | EE              | 18                          |
| ETUF          | 25                           | 14                         | C             | 102               | EE              | 18                          |
| ETUF          | 28                           | 14                         | C             | 102               | EE              | 18                          |
| ETUF          | 32                           | 14                         | C             | 102               | EE              | 20                          |
| ETUF          | 36                           | 14                         | C             | 102               | EE              | 20                          |

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## LIMBS\*1,2,3

| PRODUCTS CODES |                              |                            |               |                   |                 |                             |   |   |
|----------------|------------------------------|----------------------------|---------------|-------------------|-----------------|-----------------------------|---|---|
|                | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Length (mm) | Delivery System | Catheter Outer Diameter (F) | Total Contralateral Covered Length with Bifurcated† | Total Ipsilateral Length with Ells Bifurcated |
| ETLW           | 16                           | 10                         | C             | 82                | EE              | 14                          | 136   | 155   |
| ETLW           | 16                           | 10                         | C             | 93                | EE              | 14                          | 147   | 166   |
| ETLW           | 16                           | 10                         | C             | 124               | EE              | 14                          | 178   | 177-197                                       |
| ETLW           | 16                           | 10                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 10                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |
| ETLW           | 16                           | 13                         | C             | 82                | EE              | 14                          | 136   | 155   |
| ETLW           | 16                           | 13                         | C             | 93                | EE              | 14                          | 147   | 166   |
| ETLW           | 16                           | 13                         | C             | 124               | EE              | 14                          | 178   | 177-197                                       |
| ETLW           | 16                           | 13                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 13                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |
| ETLW           | 16                           | 16                         | C             | 82                | EE              | 14                          | 136   | 135-155                                       |
| ETLW           | 16                           | 16                         | C             | 93                | EE              | 14                          | 147   | 146-166                                       |
| ETLW           | 16                           | 16                         | C             | 124               | EE              | 14                          | 178   | 177-197                                       |
| ETLW           | 16                           | 16                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 16                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |
| ETLW           | 16                           | 20                         | C             | 82                | EE              | 16                          | 136   | 155   |
| ETLW           | 16                           | 20                         | C             | 93                | EE              | 16                          | 147   | 166   |
| ETLW           | 16                           | 20                         | C             | 124               | EE              | 16                          | 178   | 177-197                                       |
| ETLW           | 16                           | 20                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 20                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |
| ETLW           | 16                           | 24                         | C             | 82                | EE              | 16                          | 136   | 155   |
| ETLW           | 16                           | 24                         | C             | 93                | EE              | 16                          | 147   | 166   |
| ETLW           | 16                           | 24                         | C             | 124               | EE              | 16                          | 178   | 177-197                                       |
| ETLW           | 16                           | 24                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 24                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |
| ETLW           | 16                           | 28                         | C             | 82                | EE              | 16                          | 136   | 155   |
| ETLW           | 16                           | 28                         | C             | 93                | EE              | 16                          | 147   | 166   |
| ETLW           | 16                           | 28                         | C             | 124               | EE              | 16                          | 178   | 177-197                                       |
| ETLW           | 16                           | 28                         | C             | 156               | EE              | 16                          | 210   | 209-229                                       |
| ETLW           | 16                           | 28                         | C             | 199               | EE              | 16                          | 253   | 252-272                                       |

\*The limb mates with the AUI stent graft on the ipsilateral side.  
†These calculations assume the minimum 30 mm overlap between the bifurcated stent graft and the contralateral iliac limb per the Endurant II Stent Graft System *Instructions For Use*. When using the 124 mm length bifurcated stent graft, subtract 10 mm from Total Contralateral Covered Length with Bifurcated.  
‡The 3-5 stent overlap is available only with select limbs. Please refer to the *Instructions for Use* for more information.

## ILIAC EXTENSIONS

| PRODUCT CODES |                              |                            |               |                   |                 |                             |
|---------------|------------------------------|----------------------------|---------------|-------------------|-----------------|-----------------------------|
|               | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ETEW          | 10                           | 10                         | C             | 82                | EE              | 14                          |
| ETEW          | 13                           | 13                         | C             | 82                | EE              | 14                          |
| ETEW          | 20                           | 20                         | C             | 82                | EE              | 16                          |
| ETEW          | 24                           | 24                         | C             | 82                | EE              | 16                          |
| ETEW          | 28                           | 28                         | C             | 82                | EE              | 18                          |

## AORTIC EXTENSIONS

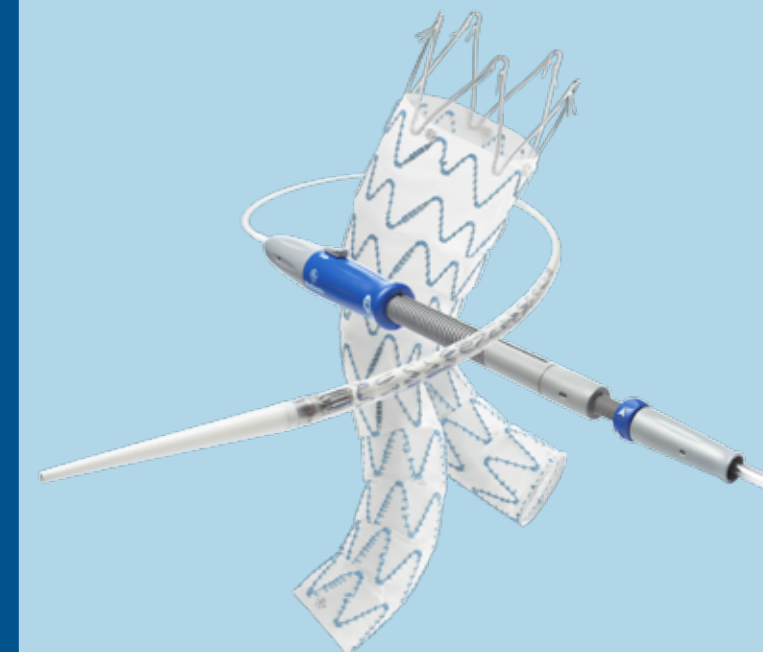
| PRODUCT CODES |                              |                            |               |                   |                 |                             |
|---------------|------------------------------|----------------------------|---------------|-------------------|-----------------|-----------------------------|
|               | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ETCF          | 23                           | 23                         | C             | 49                | EE              | 18                          |
| ETCF          | 25                           | 25                         | C             | 49                | EE              | 18                          |
| ETCF          | 28                           | 28                         | C             | 49                | EE              | 18                          |
| ETCF          | 32                           | 32                         | C             | 49                | EE              | 20                          |
| ETCF          | 36                           | 36                         | C             | 49                | EE              | 20                          |

## ABDOMINAL TUBES

| PRODUCT CODE |                              |                            |               |                           |                 |                             |
|--------------|------------------------------|----------------------------|---------------|---------------------------|-----------------|-----------------------------|
|              | Proximal Graft Diameter (mm) | Distal Graft Diameter (mm) | Distal Design | Total Covered Length (mm) | Delivery System | Catheter Outer Diameter (F) |
| ETTF         | 23                           | 23                         | C             | 70                        | EE              | 18                          |
| ETTF         | 25                           | 25                         | C             | 70                        | EE              | 18                          |
| ETTF         | 28                           | 28                         | C             | 70                        | EE              | 18                          |
| ETTF         | 32                           | 32                         | C             | 70                        | EE              | 20                          |
| ETTF         | 36                           | 36                         | C             | 70                        | EE              | 20                          |

# GOLD STANDARD OF EVAR THERAPY

## THE EXPANDED ENDURANT II PORTFOLIO



**Medtronic**  
Further, Together

# OVER 18 YEARS OF EXPERIENCE WITH EVAR

## OVER 200,000 PATIENTS TREATED WITH THE ENDURANT™ STENT GRAFT WORLDWIDE

**1998** **TALENT™\***

- Suprarenal fixation
- Portfolio expansion: mono-iliac and bifurcated configuration

**2004** **TALENT XCELERANT™\***

- Innovative delivery system

**2008** **ENDURANT™**

- M-shaped proximal stent
- Active suprarenal fixation and capture-tip
- Laser-cut electropolished Nitinol stents
- High-density multifilament polyester graft material

**2010** **ENDURANT™ II**

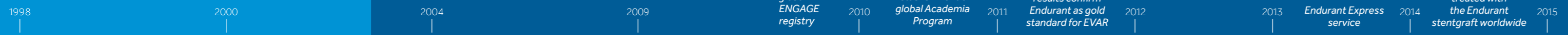
- Longer limb lengths (156, 199 mm)
- Lower profile (18F o.d.)
- Extended delivery system hydrophilic coating
- Radiopacity enhanced with platinum iridium marker band

**2012** **MILESTONES:**

- More than 100,000 patients treated with Endurant worldwide
- Over 1200 patients included in global ENGAGE registry

**2014** **ENDURANT™ IIs**

- Portfolio extended to treat wide variety of anatomies
- 20% smaller distal diameter\*
- Shorter ipsilateral leg
- Equal leg diameters



\* No longer on the market

\* compared to selected configuration of Endurant II

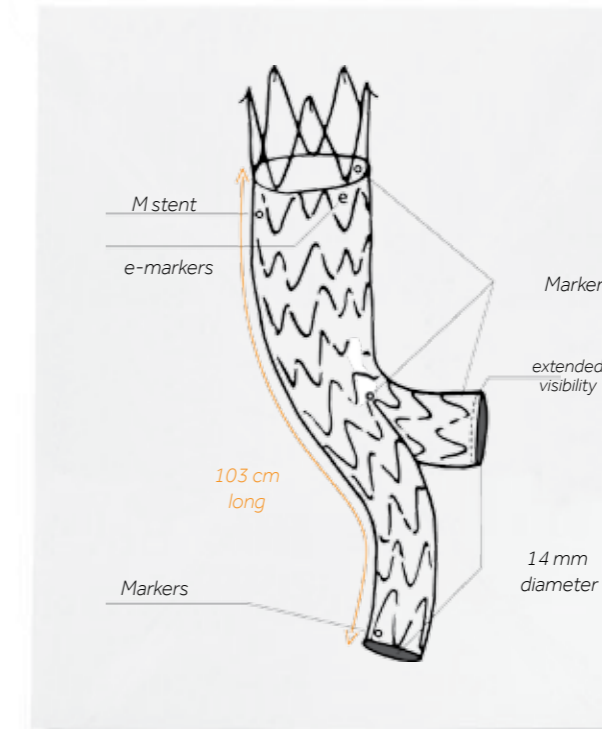
# ENDURANT™ IIs LEADING TECHNOLOGY, NEW OPPORTUNITIES

## THREE-PIECE SYSTEM LEVERAGES PROVEN DESIGN OF LEADING ENDURANT II ABDOMINAL STENT GRAFT

- Offers a shorter ipsilateral leg for more flexible targeted limb placement
- Features equal leg diameters to allow limbs to be used on either side
- Utilises existing delivery system allowing accurate placement and controlled deployment

## EXPANDS ANATOMICAL CUSTOMISATION OPTIONS

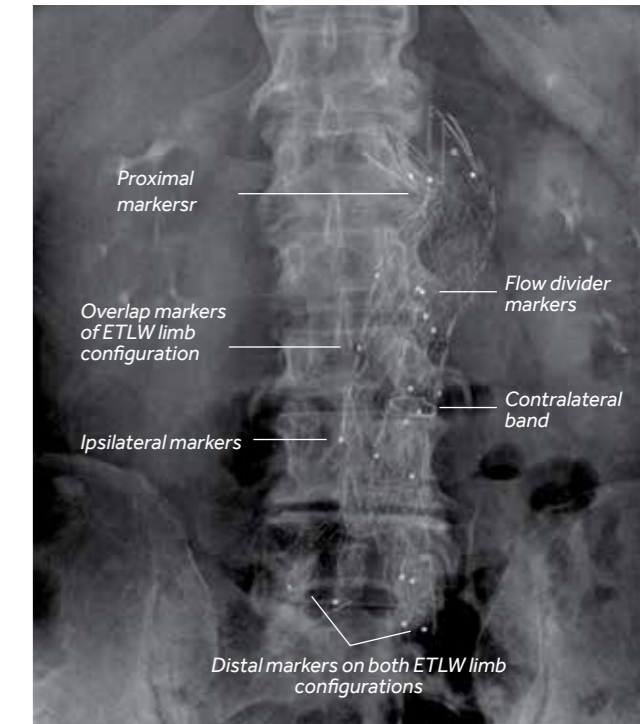
- Provides up to a 20% reduction in distal diameter compared to select Endurant II bifurs
- Enables *in situ* sizing with select ipsilateral limbs, allowing a 3-5 stent overlap for adjustment during case
- Allows easier pre-case planning to simplify sizing



## EIIS BIFURCATIONS

| PRODUCT CODES | Proximal Graft Diameter (mm) | Distal Diameter (mm) | Distal Design | Total Covered Length (mm) | Delivery System | Catheter Outer Diameter (F) |
|---------------|------------------------------|----------------------|---------------|---------------------------|-----------------|-----------------------------|
| ESBF          | 23                           | 14                   | C             | 103                       | EE              | 18                          |
| ESBF          | 25                           | 14                   | C             | 103                       | EE              | 18                          |
| ESBF          | 28                           | 14                   | C             | 103                       | EE              | 18                          |
| ESBF          | 32                           | 14                   | C             | 103                       | EE              | 20                          |
| ESBF          | 36                           | 14                   | C             | 103                       | EE              | 20                          |

## ENDURANT™ IIs



Post-EVAR reconstruction CT after 30 days. With the kind permission of PD Dr. Donas, St. Franziskus Hospital, Münster.