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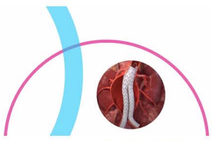
EnChEVAR
Elevating ChEVAR therapy

Check out latest clinical data



Indications, Safety, and Warnings

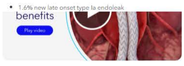
Discover EnChEVAR | Explore latest clinical release | Watch experts testimonials | View stent graft sizing guidelines

EnChEVAR with Endurant™ II/IIs stent graft system + Radiant™ balloon-expandable covered stent

Proven device combination for ChEVAR.

EnChEVAR with Endurant™ II/IIs system + Radiant™ covered stent demonstrates durable clinical outcomes (mean f/u 24.6 ± 17.4 months)[1].

- 1.6% new late onset type Ia endoleak



Proven, safe, and effective way to lengthen aortic sealing zones

Learn how EnChEVAR with Endurant™ II/IIs system + Radiant™ stent provides durable outcomes in challenging hostile sealing zones.

EnChEVAR deployment

Step-by-step deployment of the Endurant™ II/IIs and Radiant™ stent grafts for ChEVAR.‡

Clinical outcomes

ENCHANT Trial[3] 1-year data release

EnChEVAR (Endurant II/IIs stent graft system + Radiant‡ balloon-expandable covered stent) analysis (n = 62)[3]

ENCHANT is a multicentre, prospective, single-arm, post-market study to assess the clinical outcomes, safety, and performance of the Endurant II/IIs system used with balloon expandable covered stents for treatment of juxtarenal aortic aneurysms with a short infrarenal neck in a real world setting.

Key outcomes of the one year Kaplan-Meier analyses.

- **29 centres in EU and Russia**
- Freedom from all cause mortality: **87.0 ± 4.3%**
- Freedom from aneurysm rupture: **100%**
- Freedom from conversion: **100%**
- Freedom from all secondary procedures: **88.0 ± 4.3%**
- Freedom from secondary procedures to treat type Ia endoleak: **100%**

97.6% chimney graft patency at one year.

One year sac status by Core Lab (n = 41)[4]

- 2.4% sac increase
- 68.3% sac stable
- 29.3% sac decrease

ENCHANT Trial[3] | 2MB

Download ENCHANT brochure

PROTAGORAS study

The PROTAGORAS study[1] evaluated the performance of the Endurant™ II/IIs stent graft for patients with pararenal pathologic processes that were treated by the chimney/snorkel endovascular technique.

Standardised use of the Endurant™ II/IIs stent graft system and Radiant™ covered stent for ChEVAR demonstrated:

N = 128 patients[1]

- 24.6 months mean radiologic follow up (range, 0-61 months)
- **100%** technical success
- New late onset of type Ia endoleaks: **1.6%**
- Primary patency of chimney grafts: **95.7%**
- AAA sac diameter regression/stability: **90.6%**
- Freedom from chimney graft related reinterventions: **93.1%**

Radiant™ covered stent shows significantly better performance in ChEVAR compared to other grafts, with 94.6% patency at midterm compared to 84.1% patency with other covered stents.[2]

View brochure for full details.

Download brochure

Experts testimonials

Our experts tell it best. Watch their testimonials

Our experts tell it best. Clinician experiences on EnChEVAR

Prof. Reijnen and **Prof. Donas** share their clinical experience about EnChEVAR technique with Endurant™ II/IIs system and Radiant™ covered stent.

Stent graft sizing

Expand All

- Endurant™ II/IIs stent graft sizing guidelines
- Radiant™ stent graft sizing guidelines
- Radiant™ stent graft size configurations

Use this tool to see full ordering information and plan case specifics such as sizing and placement.

Sizing sheet

Preparing for the case

Recommended ancillary equipment§:

Soft wire for easy access to renal arteries

- 0.035" soft Terumo GLIDEWIRE™* hydrophilic-coated guidewire

Renal wire balanced between stiffness and flexibility; atraumatic short tip

- Cook Rosen™* wire guide

7 F sheath, 90 cm length with atraumatic tip for renal entry

- Medtronic TourGuide™ steerable sheath 7 F, 90 cm
- Cook Flexor™* Shuttle™* guiding sheath, Terumo Destination™* guiding sheath

Shorter 16 F sheath or larger may be used for access during a two chimney case.

Catheter – 5 F, minimum length of 110 cm to 125 cm

Must be able to pass through and extend beyond 90 cm sheath; variety of angles to support renal cannulation; vertebral multipurpose.

Balloons

- Medtronic Reliant™ stent graft balloon catheter to achieve good conformability of the Medtronic Endurant II/IIs stent graft system with the aortic wall and the renal stents
- Medtronic Admiral Xtreme™ PTA balloon catheter OTW 0.035" assist in access to renal (4 mm x 40 mm)

Inflation devices

- 20 cc syringe
- 20 cc inflation device equipped with manometer

Related pages

- Endurant™ II/IIs Stent Graft System
- Radiant™ Balloon-Expandable Covered Stent
- Clinical outcomes

Aortic catalog

Choose from a complete portfolio of market leading aortic vascular therapies to treat aneurysm disease.

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† Patients in this dataset were treated with Advanta V12, which was re-labelled as Radiant and received CE mark approval in September 2022 for use in ChEVAR.

‡ Denominator is the number of subjects with Core Lab-reported maximum aneurysm diameter at both one month post-implant and one-year follow-up).

§ Other covered stents include: GORE Viabahn®, Bentley BeGraft™*, BD LifeStream™*.

¶ All indications related to the Endurant™ II/IIs and Radiant™ stent grafts are not approved globally. Please check your local regulatory approval status. Refer to the complete Instructions for Use manual of the Endurant™ II/IIs and Radiant™ stent grafts for the indications approved in your geography.

References

[1] Donas KP, Torsello GB, Piccoli G, et al. The PROTAGORAS study to evaluate the performance of the Endurant stent graft for patients with pararenal pathologic processes treated by the chimney/snorkel endovascular technique. J Vasc Surg. January 2016;63(1):1-7.

[2] Pitoulias GA, Torsello G, Austermann M, et al. Outcomes of elective use of the chimney endovascular technique in pararenal aortic pathologic processes. J Vasc Surg. February 2021;73(2):433-442.

[3] Prof. Giovanni Torsello. "ENCHANT Trial interim analysis: Endurant ChEVAR technique for juxtarenal aneurysms. "Presented at LINC, June 8, 2023; Leipzig, DE.

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