

TREO[®]

ABDOMINAL STENT-GRAFT SYSTEM

Versatile by Design.
Fit for any Anatomy.*

*Per IFU.



Inspiring Confidence with Next-Generation Abdominal Device Technology



Fabric

Woven Polyester with an optimised weave pattern

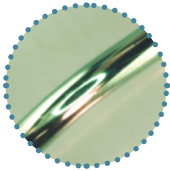
- ▶ Low profile
- ▶ High strength
- ▶ Low permeability



Suture

5-0 braided polyester surgical suture impregnated with PTFE

- ▶ High wear resistance
- ▶ High tensile strength



Stents

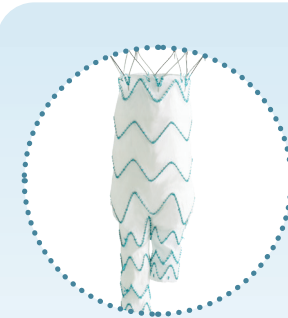
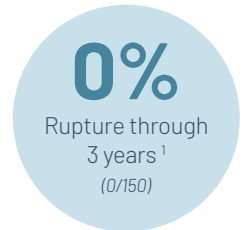
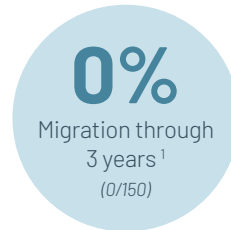
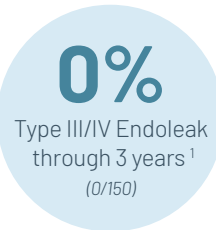
Electropolished Nitinol:

- ▶ Super-elastic properties
- ▶ Proven fatigue endurance
- ▶ Suprarenal stent is laser-cut for durability



Radiopaque Markers

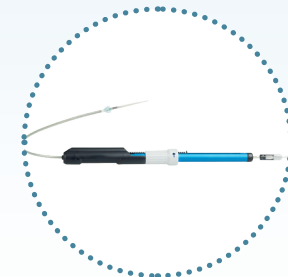
- ▶ Platinum Iridium (90%-10%)
 - Radiopaque material for enhanced visibility
 - Low profile
 - Galvanic corrosion resistance
- ▶ Positioned to aid device placement and easier contralateral gate cannulation



TREO Key Features

Graft features

- ▶ Multiple size options
- ▶ Flexible graft design
- ▶ Dual active fixation
- ▶ Optimised proximal seal
- ▶ Lock stent technology



Delivery system features

- ▶ Low profile delivery system
- ▶ Controlled, precise graft delivery
- ▶ Leave behind sheath
- ▶ Protective proximal clasp

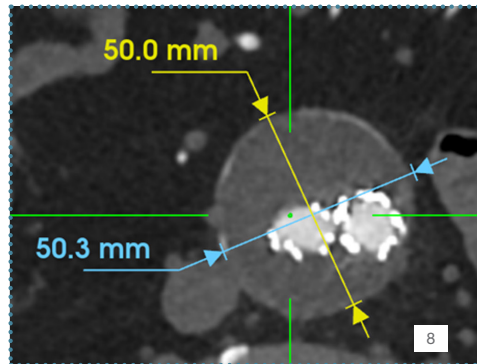
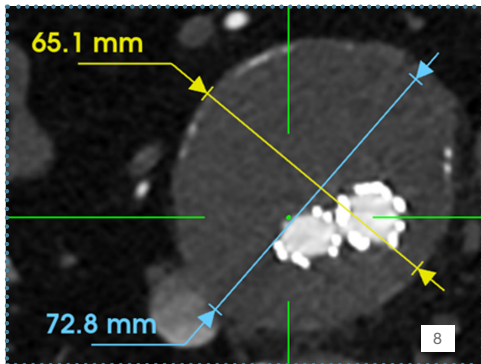
Sac Regression: The Ultimate Indicator of EVAR Success

Not only sac expansion, but any failure for the sac to regress is associated with higher long-term mortality.⁷

TREO consistently shows durable high sac regression and low sac expansion rates across multiple studies

73%
of patients with hostile neck anatomy.³
(27/37)

TREO Aneurysm sac changes @ 1 year and 5 years	IDE ¹ (1&5 years)	MARONE, et al ³ (5 years)	Feasibility Study ⁴ (1&5 years)	RATIONALE ⁵ (1 year)	US PAS ⁶ (1 year)*	EVAR VQI Multi Manuf. ⁷ (TREO not incl)(1 year)
	n=136	n=31	n=28	n=202	n=226	n=14,817
Decrease	46%	71%	54%	54%	46%	40%
Stable	54%	29%	46%	43%	50%	35%
Increase	0%	0%	0%	3%	4%	25%
Decrease @ 5 Years	61% ² n=70	71%	81% n=21			



*TREO US PAS is an all-comers study, follow-up on-going

EVAR Success: Sac Regression

- ▶ **32% aneurysm size reduction (23mm) at 1 Year**
- ▶ Without usage of adjunctive devices

Long main body optimises sac regression

“The proximity of the distal end of the stent graft to the iliac bifurcation might promote sac regression, provide greater resistance to migration, and counter endograft shortening resulting from aortoiliac tortuosity.”¹

5. Uberoi et al. "Global Post-Market Clinical Follow-up of the Treovance Stent-Graft for Endovascular Aneurysm Repair: One-Year Results From the RATIONALE Registry." *Journal of Endovascular Therapy* vol. 25, 6 (2018): pp. 726-734. doi:10.1177/1526602818803939
 6. Terumo Aortic TREO US Post Approval Study Report P190015 2023 data on file.
 7. O'Donnell, T et al. "Aneurysm sac failure to regress after endovascular aneurysm repair is associated with lower long-term survival." *Journal of Vascular Surgery* (2019): pp. 414-422. doi: 10.1016/j.jvs.2018.04.050.
 8. Case images courtesy of Dr. Jonathon Rollo.



Discover solutions for every segment of the aorta
[terumoarctic.com](https://www.terumoarctic.com)

