



LESS
VARIABILITY*

MORE
SIMPLICITY*

Engineered for the bio-Bentall. Down to every detail.*

KONECT RESILIA aortic valved conduit is the first and only pre-assembled, ready-to-implant† biological aortic valved conduit, built specifically for bio-Bentall procedures.

*As compared to self-assembled aortic valved conduits and non-RESILIA tissue valves.
†Consult Instructions for Use for device preparation.



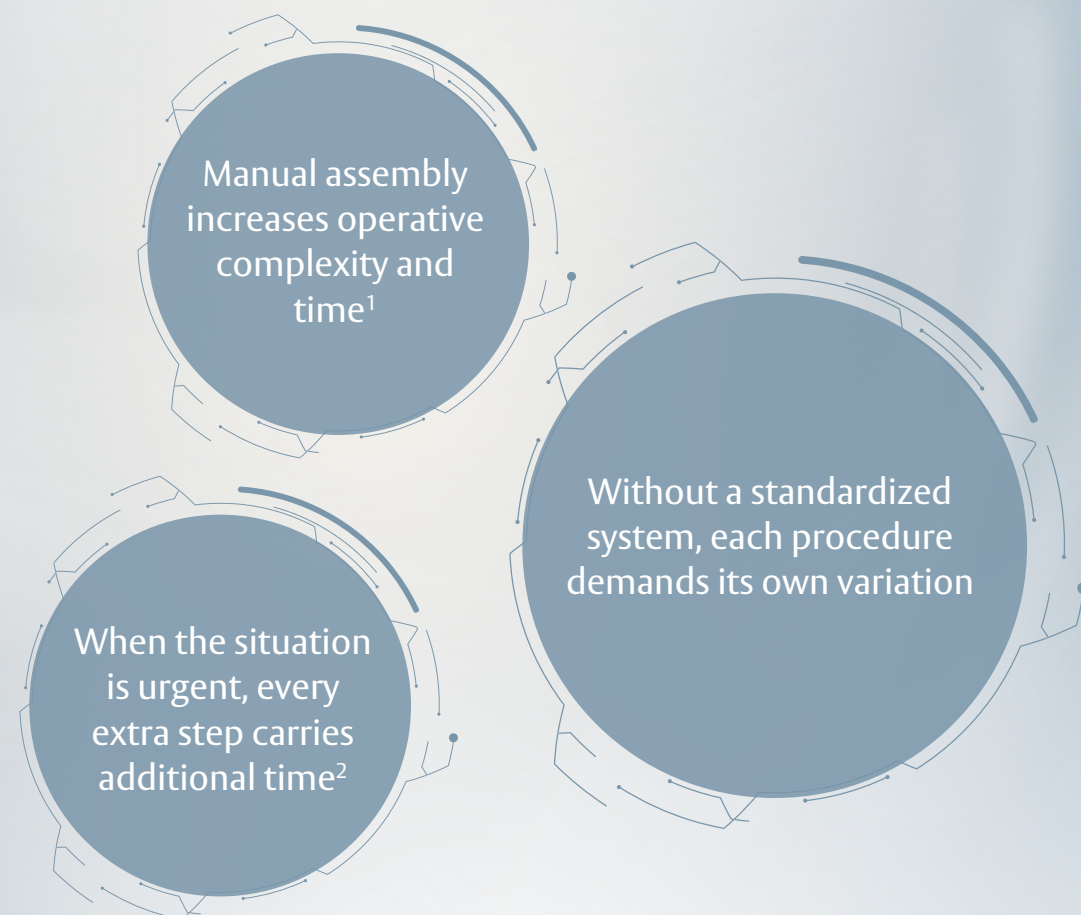
Edwards

Complex anatomy demands precise solutions

Aortic root disease — including aneurysm, acute Type A dissection, and connective tissue disorders — demands intervention with the highest precision. The Bentall procedure is the gold-standard answer. But not all Bentall procedures are standardized.

Hand-assembled conduits require surgical precision

For decades, surgeons have had to manually assemble biological conduits intraoperatively, suturing a bioprosthetic valve into a vascular graft by hand. Every stitch introduces a variable. Every variable introduces risk.

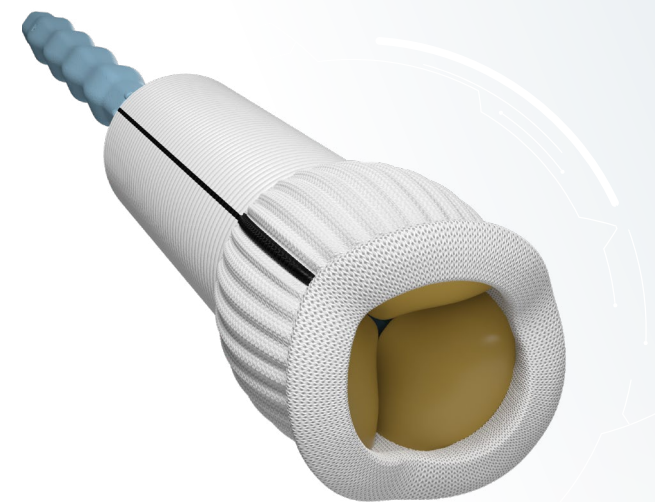


Built for bio-Bentall

KONECT RESILIA aortic valved conduit is the first and only pre-assembled, ready-to-implant* biological aortic valved conduit specifically engineered for the bio-Bentall procedure. Built on the Carpentier-Edwards PERIMOUNT platform and backed by more than 30 years of published clinical data,³⁻⁵ it combines the proven durability of RESILIA tissue technology with the predictable performance of the Valsalva graft in a single, standardized system.¹

Ready when you are.

Stored dry and ready to use, KONECT RESILIA aortic valved conduit removes the assembly step entirely. Ready for implant, straight from the box:



Pre-assembled precision

The valve and graft are engineered together, not sutured together at the table.³

~200 sutures

It's assembled with nearly 200 sutures, securing a strong, reliable connection between the valve and graft.**

Carefully crafted

Each conduit requires 5-7 operators and 8 hours to assemble, inspect, and package before it ever reaches the OR.

Tissue advantage

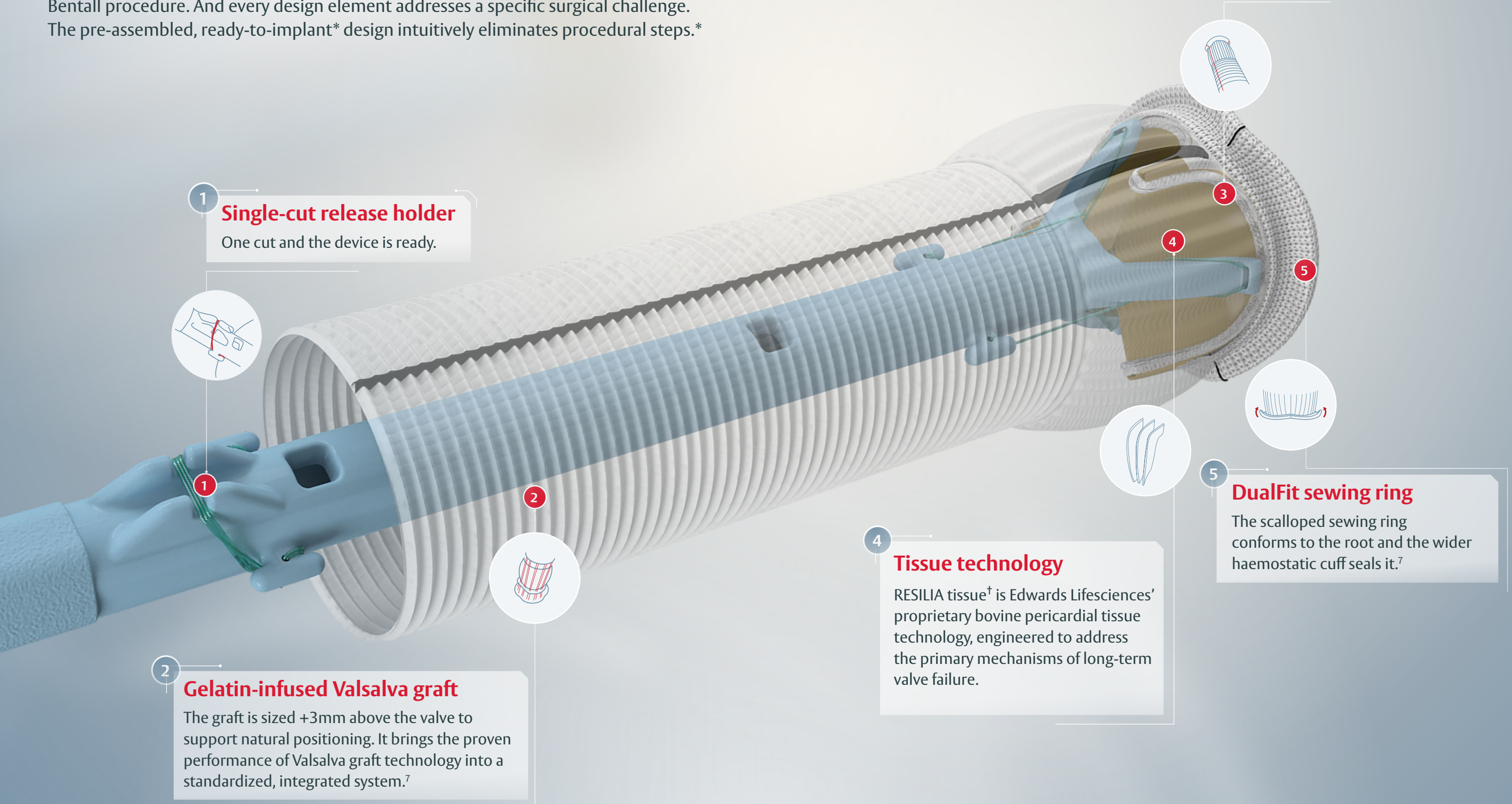
A bioprosthetic solution that avoids the lifelong anticoagulation burden of mechanical valves appropriate for a broader range of patients, including younger and more active individuals.⁶

*Consult Instructions for Use for device preparation.

**Used to assemble the graft to the valve stent.

Every feature engineered with purpose

KONECT RESILIA aortic valved conduit was specifically designed for the needs of the bio-Bentall procedure. And every design element addresses a specific surgical challenge. The pre-assembled, ready-to-implant* design intuitively eliminates procedural steps.*



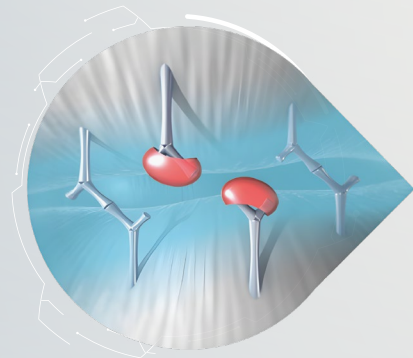
*Consult Instructions for Use for device preparation.

[†]Clinical data on valves with RESILIA tissue up to 7-year follow-up have been published, with additional follow-up to 10-years in progress.¹⁰

RESILIA tissue is designed for durability[†]

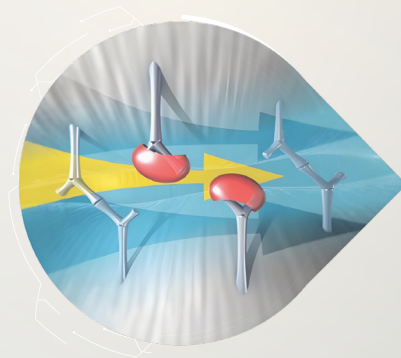
RESILIA tissue technology is backed by a strong, growing base of clinical evidence attesting to its haemodynamic performance and durability.⁸⁻¹⁰

Edwards Lifesciences' integrity preservation technology transforms bovine pericardial tissue into RESILIA tissue, effectively eliminating free aldehydes, while protecting and preserving the tissue.^{8,11-13} RESILIA tissue is designed to neutralize these binding sites, addressing one of the primary mechanisms of long-term valve failure.^{8,11-13}



+ Calcium-blocking technology

Stable-capping permanently blocks free aldehydes to prevent calcium binding within the tissue^{8,11-13}



+ Glycerolization

Glycerol displaces water in the tissue and preserves tissue integrity, which enables dry storage^{8,11-13}

Clinically stable haemodynamics

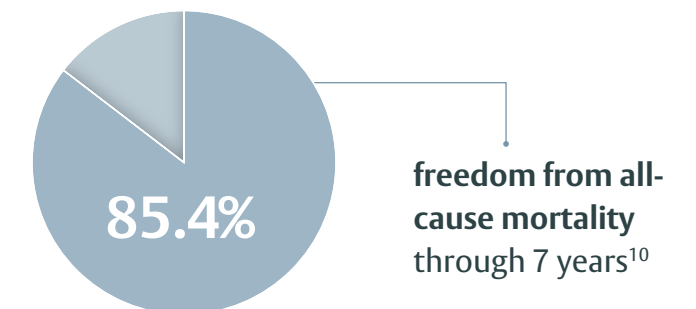
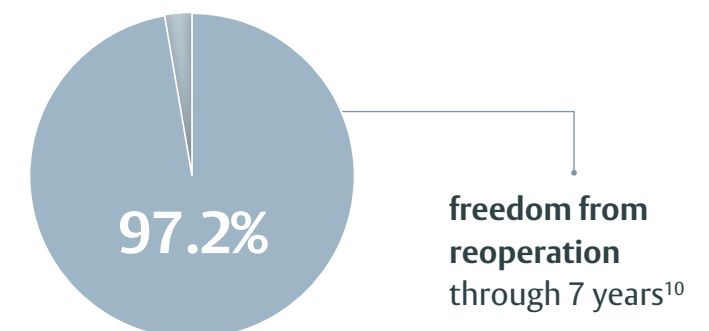
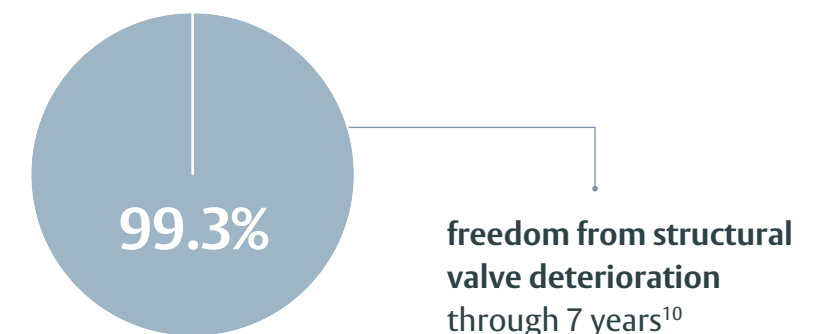
RESILIA tissue valve cohorts observed excellent outcomes and stable haemodynamics through 7 years.¹¹

^{*}As compared to self-assembled valved conduits with non-RESILIA valves.
[†]Clinical data on valves with RESILIA tissue up to 7-year follow-up have been published, with additional follow-up to 10-years in progress.¹⁰



Data on valves with RESILIA tissue from the COMMENCE aortic trial show excellent outcomes through 7 years.

COMMENCE aortic trial RESILIA tissue data from the COMMENCE aortic trial show:



KONect RESILIA aortic valved conduit is built on the Carpentier-Edwards PERIMOUNT valve platform, whose performance is backed by a span of 30 years of published clinical data.³⁻⁵

Proven performance in real-world practice

The first real-world multicenter study of bio-Bentall procedures using KONECT RESILIA aortic valved conduit demonstrated utility across various aortic valve conditions with positive short-term outcomes reported through one year.¹²



Objectives

To examine the early safety and efficacy of KONECT RESILIA aortic valved conduit in an all-comers multi-center patient population



Methods

The study retrospectively collected data on subjects who were treated with the KONECT RESILIA aortic valved conduit from 15 July 2020 to 02 June 2022 for up to 1 year and 120 days of follow-up after the index procedure



Patients

329 patients

Single-Center Experience: Yale School of Medicine

In a single-center retrospective study (n=118, 2021–2023), 15 initial findings suggest KONECT RESILIA aortic valved conduit may offer favorable early outcomes for patients undergoing aortic root and valve replacement, with low operative and short-term mortality and few post-operative complications at one year.¹⁶



Median length of stay:
6.5 days



Positive early outcomes:
Low operative and short-term mortality with minimal post-operative complications



Supports the **safety and effectiveness** of the KONECT RESILIA aortic valved conduit for patients requiring a biological aortic root and valve replacement

Outcomes at one year – multicenter series

100%

freedom from related death

99.6%

freedom from aortic valve or root reoperation at one year

94.9%

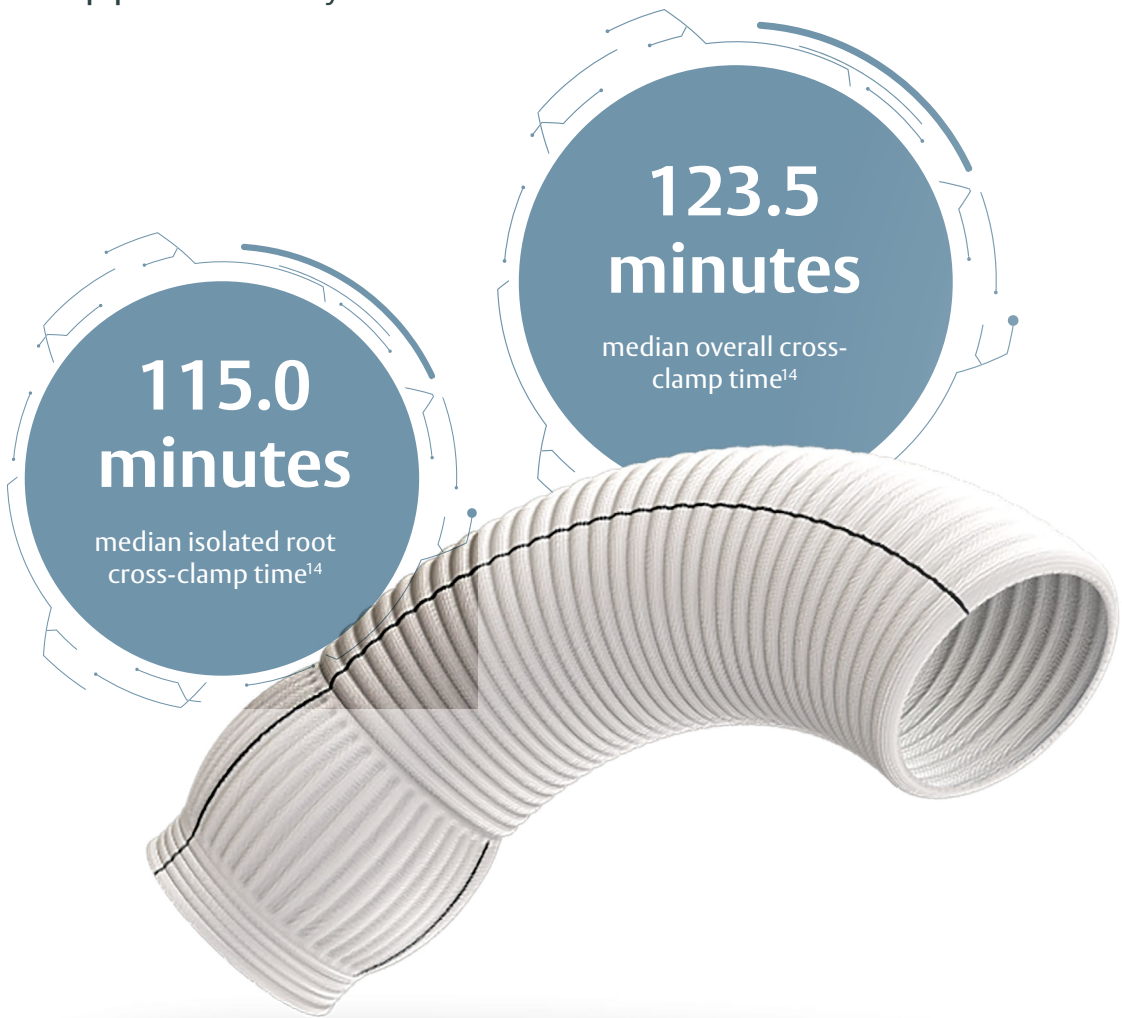
freedom from all-cause mortality at one year

98.5%

freedom from cardiovascular death at one year

Operative efficiency

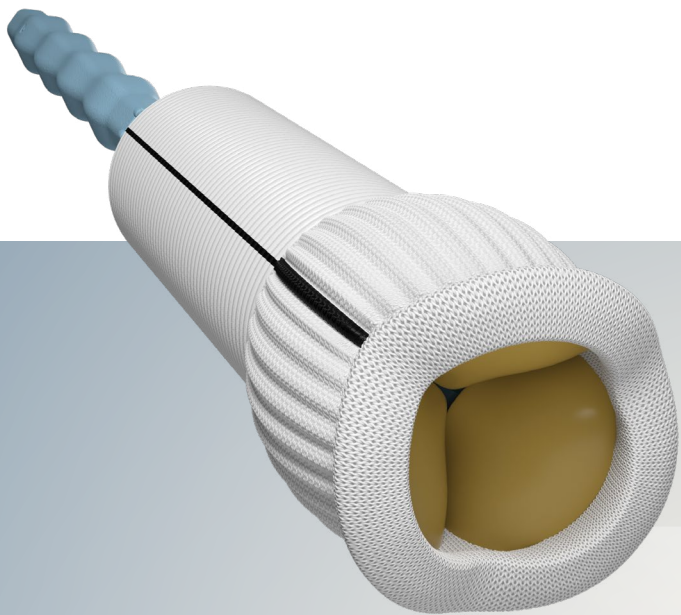
Isolated surgical aortic valve replacement (SAVR) sets the benchmark for operative efficiency, but when root reconstruction is required, the bio-Bentall procedure adds an average of 50 minutes of additional cross-clamp time.¹³ KONECT RESILIA aortic valved conduit's pre-assembled configuration helps minimize cross-clamp time* by removing the assembly step from the cross-clamp period entirely.



Techniques that reduce cross-clamp duration have been associated with fewer complications³, shorter hospital stays, and lower overall healthcare costs¹⁵

*As compared to self-assembled valved conduits.

KONECT RESILIA aortic valved conduit



Over 30,000 patients
have been treated with the KONECT RESILIA
aortic valved conduit globally

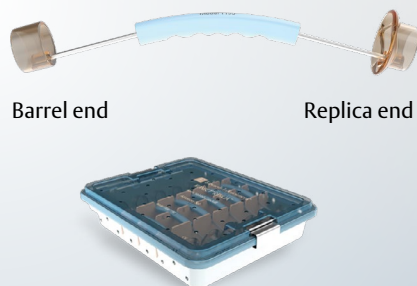


Over 500,000 patients
have been treated with RESILIA
tissue devices



Scan to learn more

KONECT RESILIA aortic valved conduit model and sizing



Model Valve size

11060A* 21mm, 23mm, 25mm, 27mm, 29mm

Model Individual Sizers

1190 19*, 21, 23, 25, 27, 29 mm

*KONECT RESILIA aortic valved conduit size 19mm not available

For use with: Dedicated DualFit sewing ring sizers
(Model 1190 Sizers and Tray)

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