

In the Loupe

Edition #1 Q2 2025

Physician perspectives
on bio-Bentall
procedures

Featured in this issue:



Dr. Bavaria

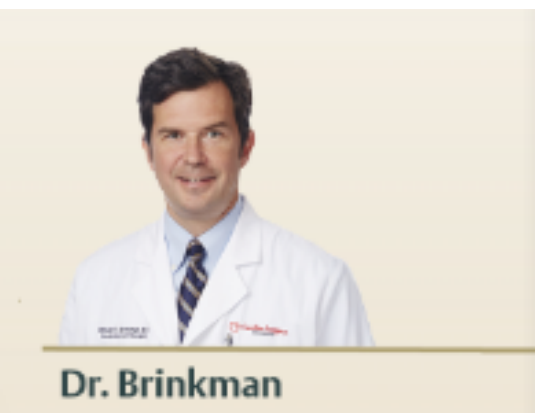


Focused on advancing
cardiac surgery



Edwards

For reference only:
Surgeon images animate on cover



In this issue

The latest in surgical tissue valve innovation and data with insights for surgeons, by surgeons

- New data on KONECT RESILIA aortic valved conduit

Society of Thoracic Surgeons (STS) 2025 Presentation

>
- Peer Perspectives: KONECT RESILIA aortic valved conduit in practice

>
- COMMENCE aortic trial: Outcomes at 7 years

>
- Learn more about KONECT RESILIA aortic valved conduit

>

Featured surgeons:



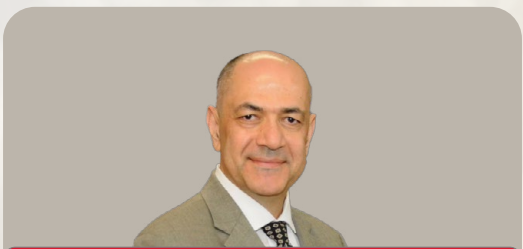
Dr. Bavaria →

Joseph Bavaria, MD
Chair, Department of Cardiac Surgery
Executive Director, Bruce and Robbie Toll Heart & Vascular Institute, Jefferson Health



Dr. Vallabhajosyula →

Prashanth Vallabhajosyula, MD
Director Yale Aortic Institute
Director Yale Pulmonary Thromboendarterectomy Program



Dr. Habibipour →

Saied Habibipour, MD
Director of Cardiothoracic Surgery
Assistant Professor of Surgery
Arrowhead Regional Medical Center



Dr. Brinkman →

William Brinkman, MD
Director of the Thoracic Aortic Clinic at Baylor, Scott & White
The Heart Hospital - Plano



STS 2025: New data on KONECT RESILIA aortic valved conduit

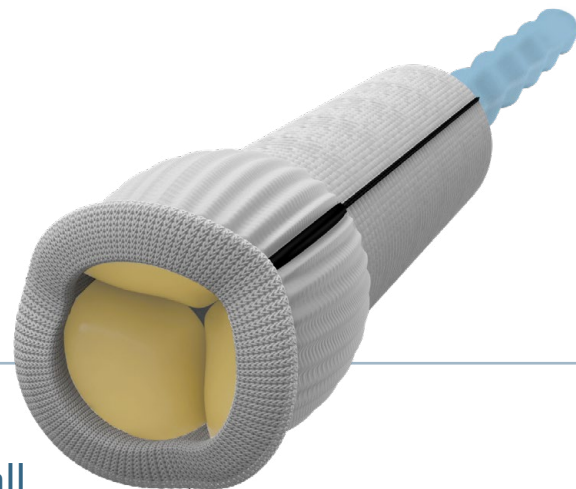
See how this unique device is impacting the freedom from all-cause mortality, cardiovascular related death, and aortic valve or root reoperation in a real-world setting.

- **Objectives**

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

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

329 patients

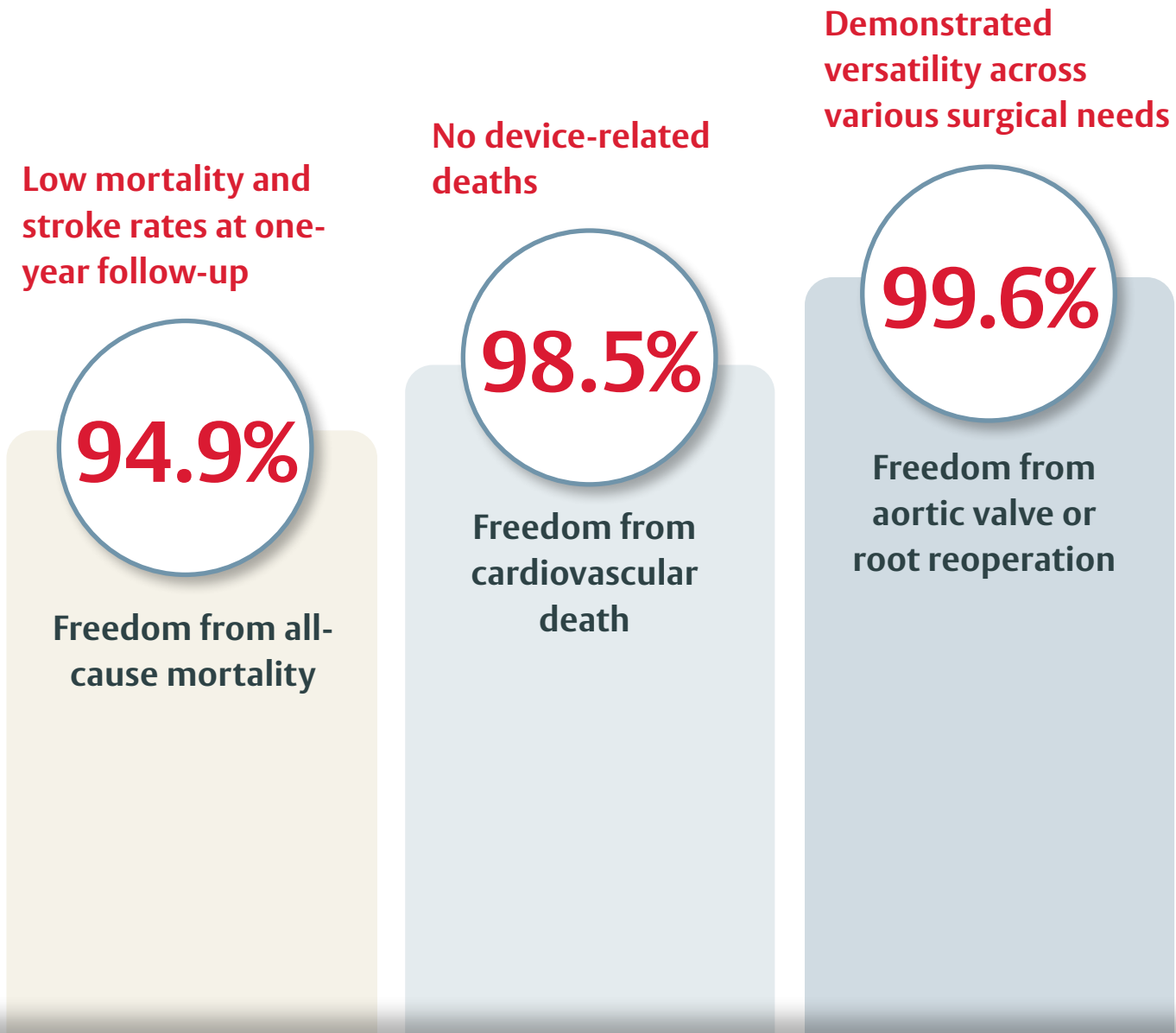


Designed to meet the specific needs of Bentall surgery, KONECT AVC offers a durable solution that intuitively eliminates procedural steps.



Study results

The first real-world multicenter study of bio-Bentall procedures with KONECT aortic valved conduit found:



The KONECT RESILIA aortic valved conduit offers a simplified approach to root replacement, with excellent short-term outcomes through one year.

Ready to Implant[†]

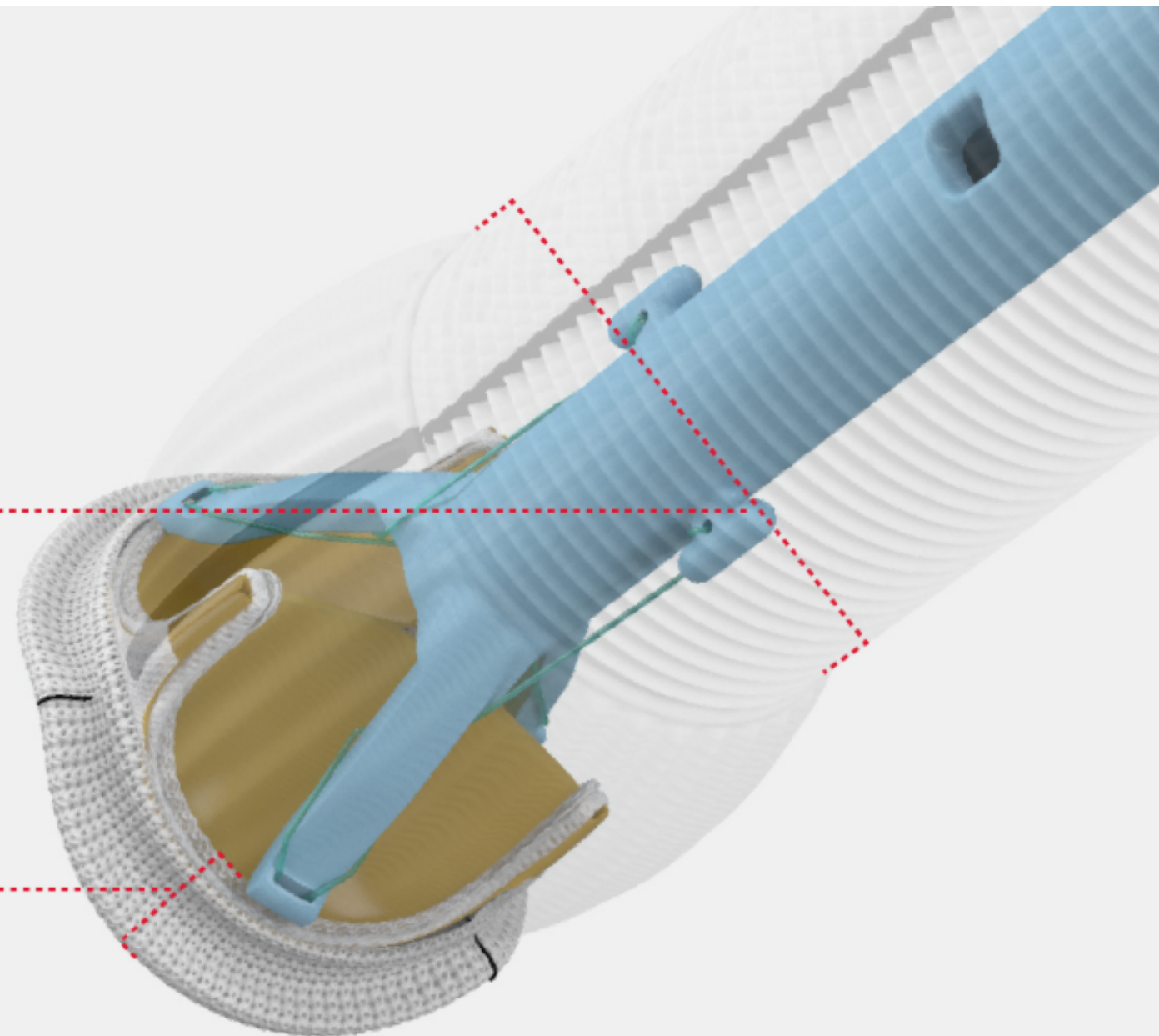
Streamline your workflow
with a pre-assembled
conduit that removes
procedural steps*

Pre-sized Valsava graft

+3 mm from valve size to
graft size

DualFit sewing ring

Allows for both
intra-annular and
supra-annular implantation



[†]Consult instructions for use for device preparation instructions.

*As compared to self-assembled tissue valved conduits.



“

*It's an outstanding device...
The sewing cuff on the
KONECT device is very well
designed. It's obvious that
this design was influenced by
cardiac surgeons.*

Joseph Bavaria, MD



Peer Perspectives

KONECT RESILIA aortic valved conduit in practice

Dr. Joseph Bavaria shares his experience with the KONECT RESILIA aortic valved conduit – highlighting its role in streamlining complex procedures, improving surgical usability, and enhancing patient outcomes.

Key topics include:

- How the pre-assembled design **simplifies bio-Bentall procedures**
- How the sewing ring allows for **both supra and intra annular placement** and **minimizes risk of bleeding**
- The importance of **standardization** in aortic surgery

Watch full interview

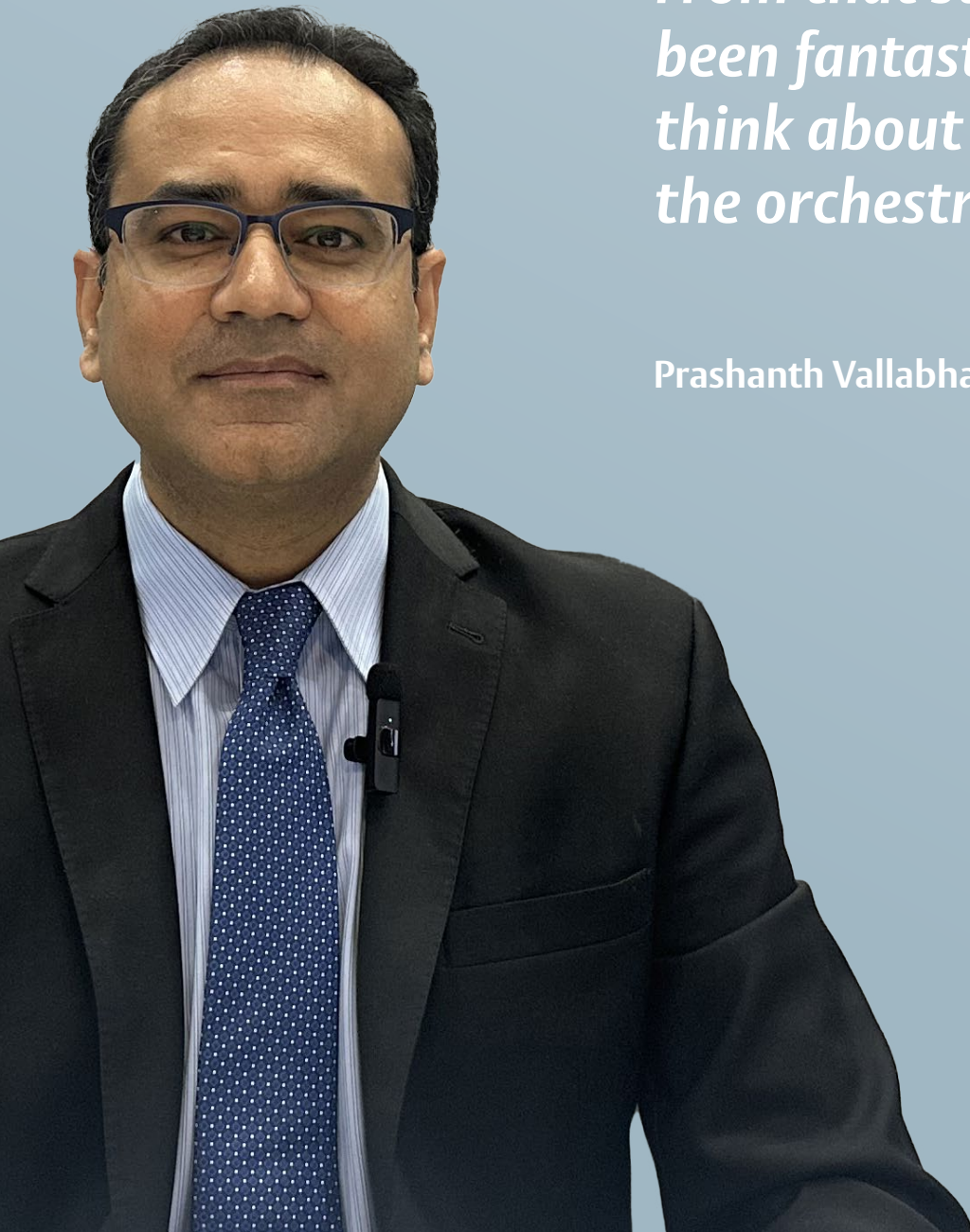


*Dr. Bavaria is a site principal investigator for the COMMENCE study



The more standardized the technique becomes, the more the surgeon and staff can focus on other elements... From that standpoint, it's been fantastic...it allows us to think about other aspects of the orchestration.

Prashanth Vallabhajosyula, MD



Peer Perspectives

KONECT RESILIA aortic valved conduit in practice

Dr. Prashanth Vallabhajosyula shares insights on the impact of standardization in aortic root replacement and the role of the KONECT RESILIA aortic valved conduit in enhancing surgical efficiency and training.

Key topics include:

- **Simplifying root replacement** with a standardized technique
- **Improving procedural efficiency** and consistency with a **pre-assembled design** reducing the need for self-assembly
- **Strengthening surgical training** through standardized techniques

Watch full interview





“

Since I've been incorporating KONECT aortic valved conduit into my practice... it saves time.

Saied Habibipour, MD



Peer Perspectives

KONECT RESILIA aortic valved conduit in practice

Dr. Saied Habibipour, MD, has seen firsthand how the KONECT RESILIA aortic valved conduit simplifies complex procedures, increasing efficiency in the operating room and improving patient outcomes.

Key topics include:

- **Improving implantation** and reducing surgical complexity with a pre-assembled design
- **Reducing time** on cardiopulmonary bypass^{1,2}
- **Reducing leakage** through the graft with the gelatin-treated Valsalva graft

Watch full interview

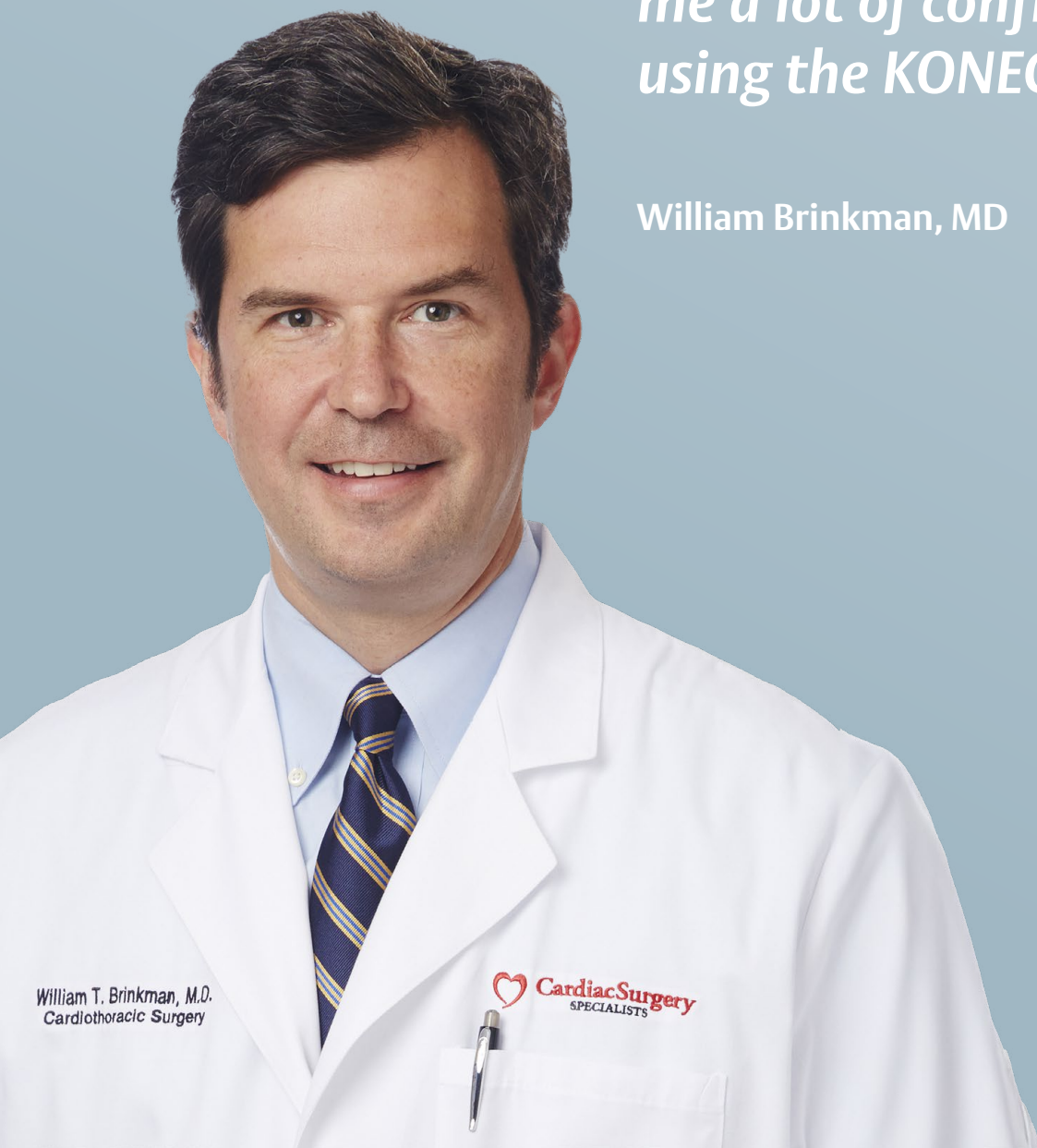




“

The COMMENCE data with the 7-year outcomes are really good, excellent. There have been very few structural valve deteriorations, and that gives me a lot of confidence when using the KONECT [device].

William Brinkman, MD



Peer Perspectives

KONECT RESILIA aortic valved conduit in practice

Dr. William Brinkman shares his experience using the KONECT RESILIA aortic valved conduit in aortic root replacement. In this conversation, he discusses its role in streamlining procedures, improving surgical efficiency, and supporting long-term patient outcomes.

Key topics include:

- How the pre-assembled design **reduces procedural complexity** and **shortens surgery time**
- The role of Edwards' **quality-controlled pre-assembly of the valve** and Valsalva graft to provide a reliable hemostatic connection

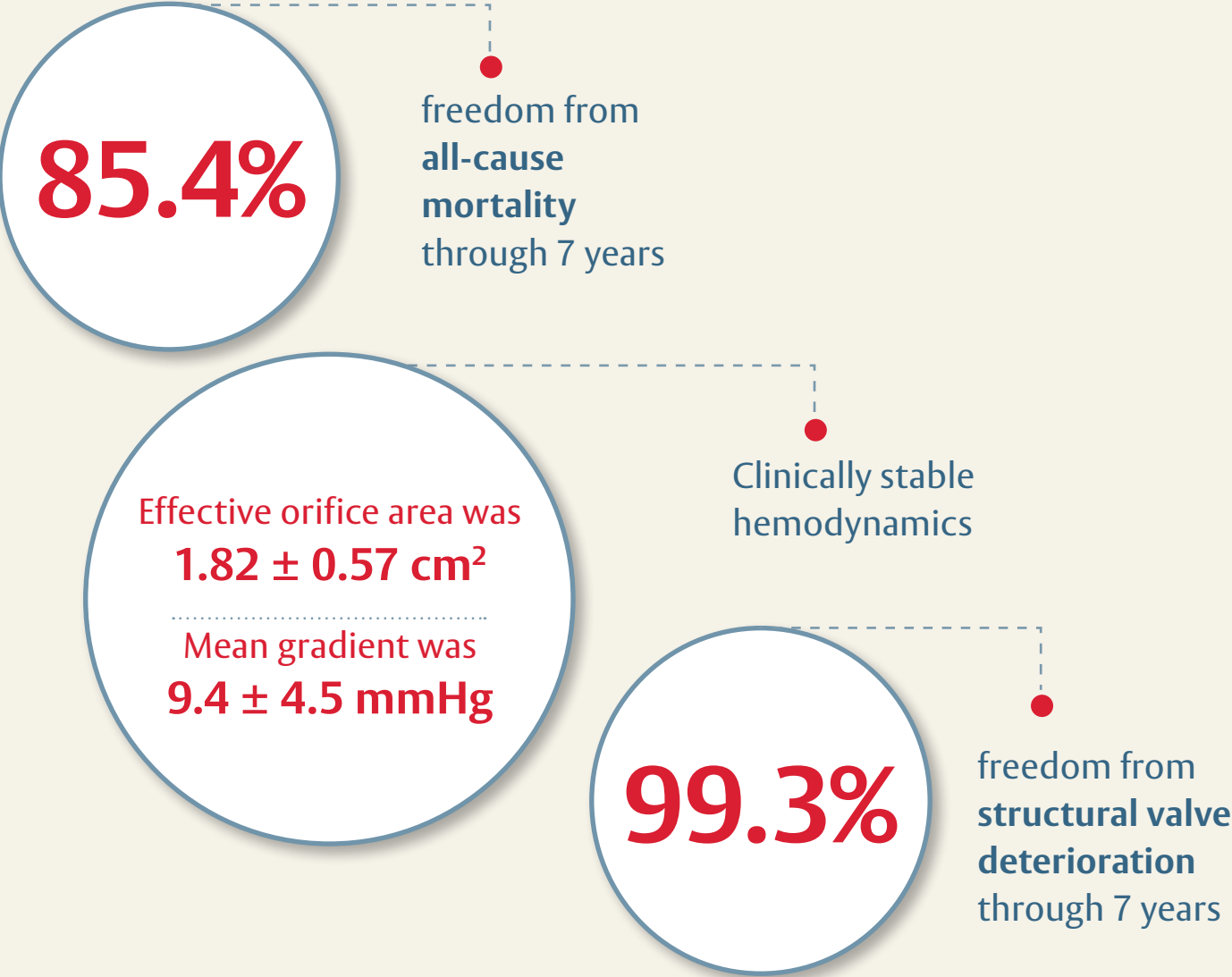
Watch full interview





COMMENCE aortic trial seven-year data

Excellent outcomes through 7 years*
RESILIA tissue data from the COMMENCE aortic trial show:



*Clinical data on surgical valves with RESILIA tissue up to 7-year follow-up have been published, with additional follow-up to 10-years in progress.³

The COMMENCE aortic trial
7-year clinical summary

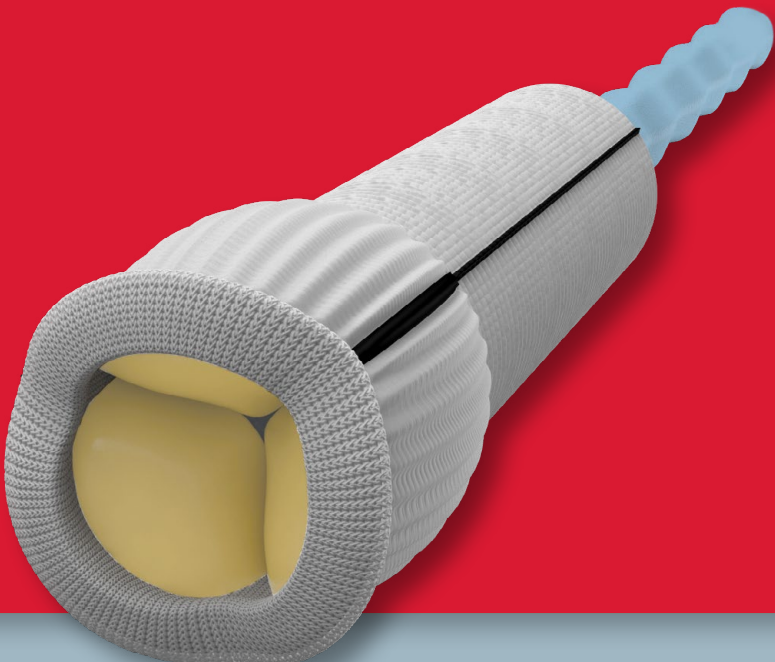
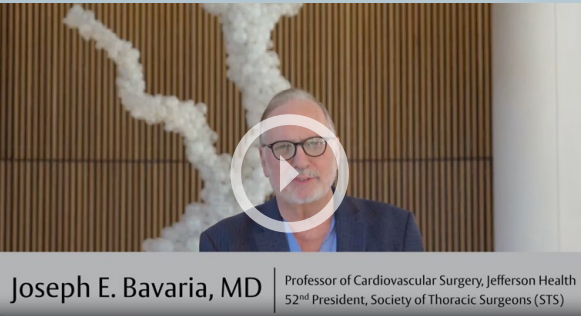
Download the summary



Discover how KONECT device takes performance and durability to new heights

See KONECT AVC in action
Implant video demonstrated by
Dr. Bavaria

Watch the video demonstration



Stay tuned for upcoming editions of In the Loupe, where we'll continue to deliver exclusive insights, clinical data, and surgical innovations – for surgeons, by surgeons.

Learn more about KONECT AVC

Important Safety Information:

KONECT RESILIA Aortic Valved Conduit

Indications: For use in replacement of native or prosthetic aortic heart valves and the associated repair or replacement of a damaged or diseased ascending aorta.

Contraindications: There are no known contraindications with the use of the KONECT RESILIA aortic valved conduit.

Complications and Side Effects: Thromboembolism, valve thrombosis, hemorrhage, hemolysis, regurgitation, endocarditis, structural valve deterioration, nonstructural dysfunction, stenosis, arrhythmia, transient ischemic attack/stroke, congestive heart failure, myocardial infarction, any of which could lead to reoperation, explantation, permanent disability, and death. Adverse events potentially associated with the use of polyester vascular grafts include hemorrhage, thrombosis, graft infection, embolism, aneurysm, pseudoaneurysm, seroma, occlusion (anastomotic intimal hyperplasia), immunological reaction to collagen (shown to be a weak immunogen; infrequent, mild, localized and self-limiting), intimal peel formation, and conduit dilatation, any of which could lead to re-operation, explantation, permanent disability, and death.

CAUTION: US law restricts these devices to sale by or on the order of a physician. See instructions for use for full prescribing information.

References:

1. Stamou SC, Williams ML, Gunn TM, Hagberg RC, Lobdell KW, Kouchoukos NT. Aortic root surgery in the United States: A report from the Society of Thoracic Surgeons database. The Journal of Thoracic and Cardiovascular Surgery. 2015;149(1):116-122.e4.
2. Data on file.
3. Beaver T, Bavaria JE, Griffith B, et al. Seven-year outcomes following aortic valve replacement with a novel tissue bioprosthesis. J Thorac Cardiovasc Surg. 2024 Sep;168(3):781-791.

Edwards, Edwards Lifesciences, the stylized E logo, COMMENCE, DualFit, KONECT, KONECT RESILIA, and RESILIA are trademarks or service marks of Edwards Lifesciences Corporation or its affiliates. All other trademarks are the property of their respective owners.

© 2025 Edwards Lifesciences Corporation. All rights reserved. PP--US-10728 v2.0

Edwards Lifesciences • One Edwards Way, Irvine, CA 92614 USA • edwards.com



Edwards