PROVEN PLUS.

With more than 40 years of heart valve innovations, we took proven valve design concepts and adapted them for excellent implantability for you and performance for your patients.
INTRODUCING
THE AVALUS™
AORTIC VALVE
BY MEDTRONIC.
YOU WANT THE VERY BEST FOR YOUR PATIENTS.
SO DO WE.

We designed the next generation bovine pericardial valve for better overall performance, improved implant experience, and a contemporary design to facilitate future valve-in-valve (ViV).

Interior-mounted leaflets minimize damaging contact with the frame — a design platform for long-term durability.

AOA™ tissue treatment* to mitigate calcification — over 20 years of clinical use on the Medtronic surgical tissue valve portfolio.1,2

PROVEN

- Supra-annular design to enhance hemodynamics3
- Three laser cut bovine pericardial leaflets matched for thickness and deflection to provide consistent performance
- Two-part polymer frame minimizes stress zones on leaflets
- Sewing markers facilitate suture placement and valve orientation

*No clinical data is available which evaluates the long-term impact of AOA treatment in patients.
Ease of Implant for You

- Soft and pliable sewing cuff facilitates needle penetration, suture placement, and valve seating for an improved implant experience.
- Lower valve profile and narrow commissure posts expand ostia clearance and give you more space for knot tying.
- Streamlined valve holder improves visibility in both standard and minimally invasive approaches.
- Simple one-cut release.

Polyetheretherketone (PEEK) polymer stent provides strength and flexibility, and offers resistance to permanent deformation.
Performance and Lifetime Management for Your Patients

- Designed to achieve 100% coaptation and minimize central regurgitation.
- Flexible support frame with firm base designed to maintain circularity and consistent hemodynamic performance.

- Valve dimensions and geometry enable future ViV replacements
- PEEK base frame impregnated with barium sulfate provides for radiopacity and visibility
- Polymer frame mitigates the risk of potential metal on metal corrosion with transcatheter stent materials
- MRI Safe in all MR environments without conditions
Ordering and Specifications

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<th>Avalus Valve Order Number</th>
<th>Valve Size</th>
<th>Stent Diameter (TAD)</th>
<th>Internal Orifice Diameter</th>
<th>External Sewing Ring Diameter</th>
<th>Valve Profile Height</th>
<th>Aortic Protrusion</th>
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TAD – Tissue Annulus Diameter

Accessories

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<td>T7400</td>
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References


For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.