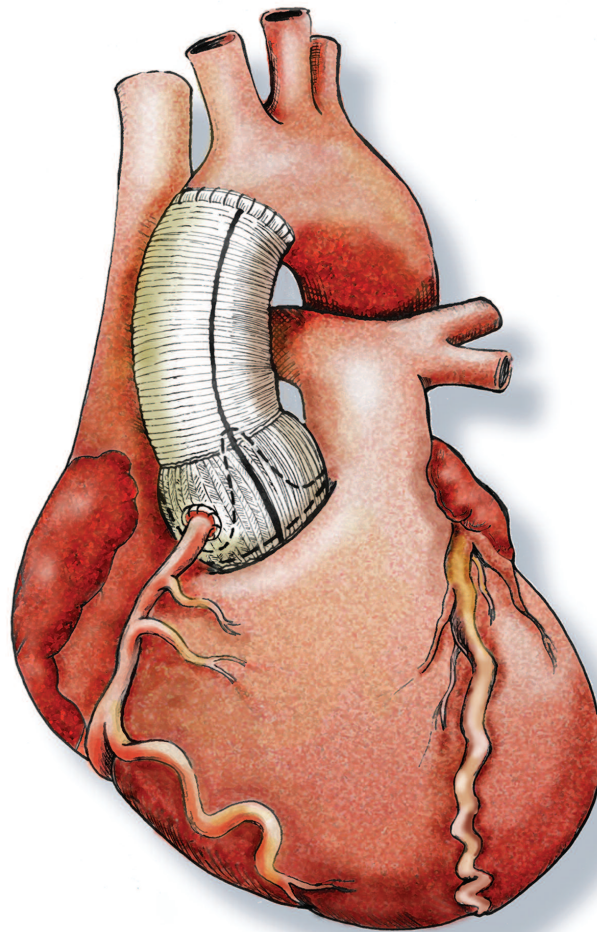


Gelweave Valsalva™

THE WORLD'S **ONLY**
ANATOMICALLY DESIGNED AORTIC ROOT GRAFT

- Unique graft design for valve sparing or Bentall procedures
- Closely matches aortic root anatomy
- Mimics natural response of the sinuses of Valsalva
- Potential for
 - increased valve leaflet longevity
 - reduced tension on the coronary arteries



Gelweave Valsalva™

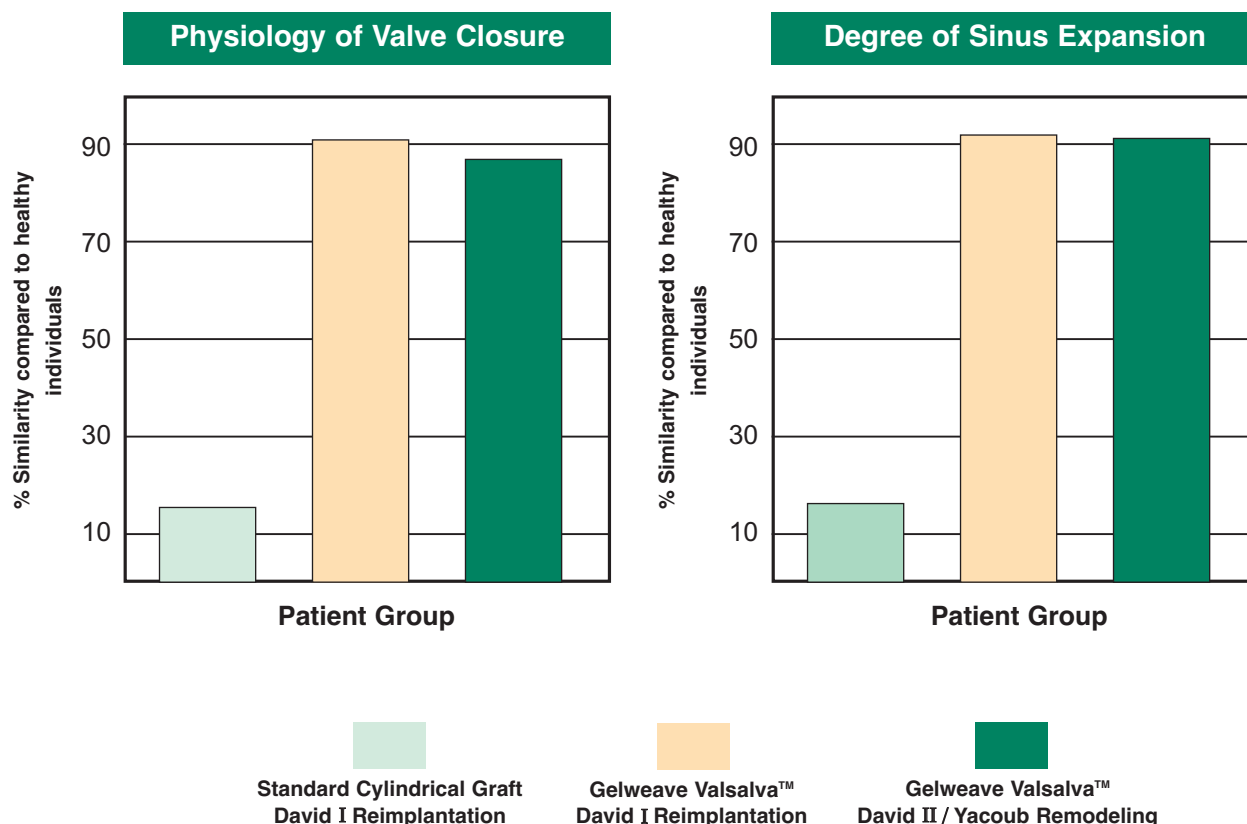
MIMICS NATURAL RESPONSE OF THE SINUSES OF VALSALVA

FACT

Absence of the sinuses of Valsalva adversely affects valve leaflet motion^{3,4,8}

Gelweave Valsalva™ facilitates near normal valve leaflet motion⁴

Gelweave Valsalva™ exhibits dynamic features and allows smooth closing of the aortic valve leaflets superior to that obtained with standard cylindrical grafts and more similar to healthy individuals^{1,4}



POTENTIAL FOR INCREASED VALVE LEAFLET LONGEVITY

FACT

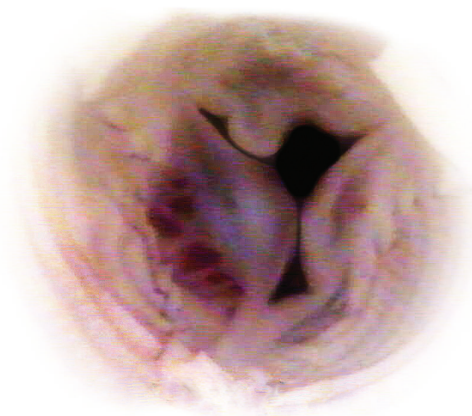
Standard cylindrical grafts increase valve leaflet stress with reduced leaflet longevity^{5,6,7}

Gelweave Valsalva™ may reduce valve leaflet stress and prolong leaflet longevity^{2,4}

Gelweave Valsalva™, with the presence of pseudosinuses and a well-defined sinotubular junction, facilitates near normal valve leaflet motion with the potential for prolonged valve leaflet longevity^{2,4}

AORTIC VALVE CLOSURE - AORTIC VIEW *

Standard Cylindrical Graft



- Asymmetrical opening/closing
- Numerous folds and wrinkles
- Possible leaflet contact with graft wall

Gelweave Valsalva™

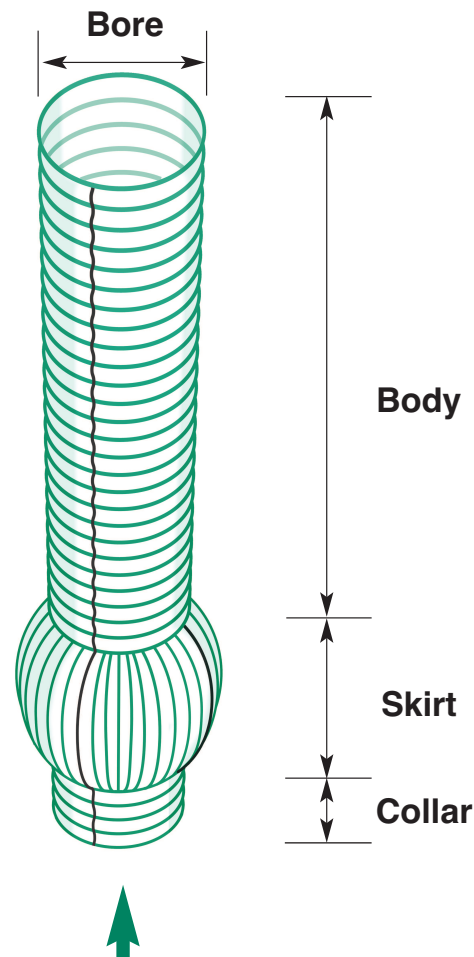


- Symmetrical opening/closing
- No folds or bends
- No leaflet contact with graft wall

* Pig model

GELWEAVE VALSALVA™ ORDERING INFORMATION

Bore size mm	Max Skirt Diameter mm	Body Length cm	Skirt Length mm	Collar Length mm	Cat No.
24	32	15	24	10	730024ADP
26	34	15	26	10	730026ADP
28	36	15	28	10	730028ADP
30	38	15	30	10	730030ADP
32	42	15	32	10	730032ADP
34	44	15	34	10	730034ADP



The proximal collar can be used for prosthetic valve attachment or trimmed/ inverted for valve sparing procedures according to the surgeon's preference or surgical technique

References

1. De Paulis R. et al Opening and Closing Characteristics of the Aortic Valve After Valve - Sparing Procedures Using a New Aortic Root Conduit. *Ann Thorac Surg* 2001;72:487-94
2. De Paulis R. et al A New Aortic Dacron Conduit for Surgical Treatment of Aortic Root Pathology. *Ital Heart J* 2000; 1 (7): 457 - 463
3. Kunzelman K. et al Aortic Root and Valve Relationships - Impact on Surgical Repair. *J Thorac Cardiovasc Surg.* 1994; 107: 162-70
4. De Paulis R. et al Analysis of Valve Motion After the Reimplantation Type of Valve-Sparing Procedure (David I) with a New Aortic Root Conduit. *Ann Thorac Surg.* 2002; 74:53-7
5. Ikonomidis J. et al Stentless Bioprosthetic Aortic Valve Replacement After Valve- Sparing Aortic Root Replacement. *J Thorac Cardiovasc Surg.* 2002; 124: 848-51
6. Grande-Allen K. et al Recreation of Sinuses is Important for Sparing the Aortic Valve: A Finite Element Study. *J Thorac Cardiovasc Surg.* 2000; 119: 753-63
7. Zehr K. et al Valve Preserving Aortic Root Reconstruction [Letter]. *J Thorac Cardiovasc Surg.* 2001; 121: 1220-1
8. Leyh R. et al Opening and Closing Characteristics of the Aortic Valve After Different Types of Valve-Preserving Surgery. *Circulation.* 1999; 100: 2153-2160

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