



# *Why Compromise in the Mitral Position?*



Designed for the  
mitral position.



Designed for the  
aortic position.  
Then turned  
upside down.

Carpentier-Edwards  
**PERIMOUNT**  
Mitral Pericardial Bioprosthesis

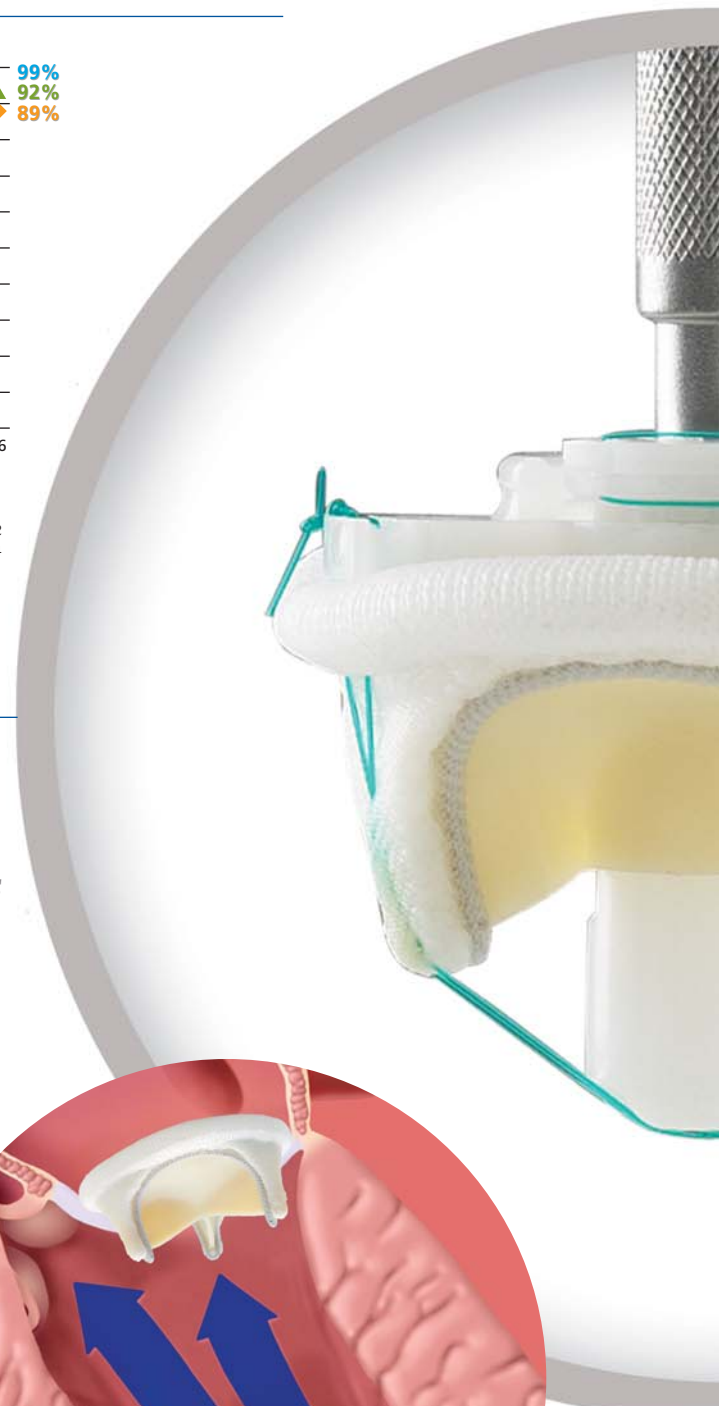
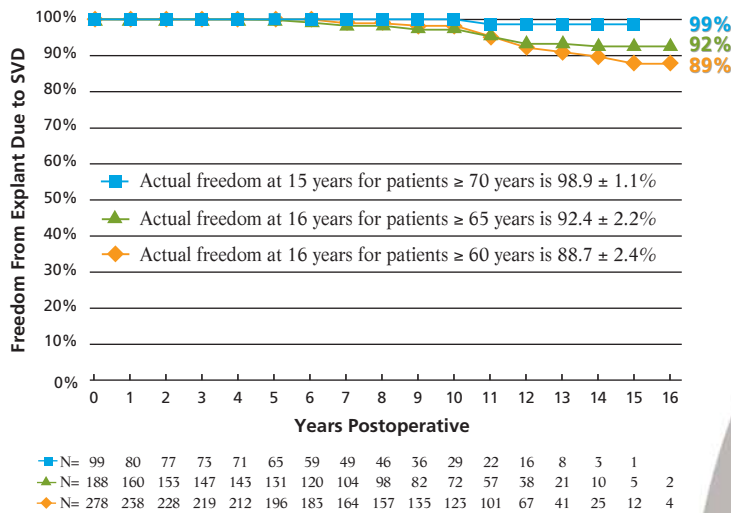


Edwards  
LIFESCIENCES



# Compromise in the Mitral Position? The tis

In patients 65 and older, the actual risk of explant due to SVD is less than 10% at 16 years<sup>1</sup>

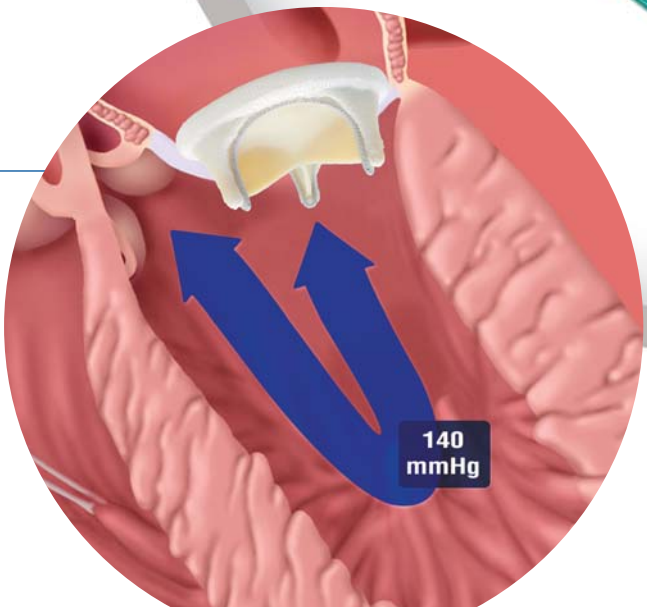


*“The low incidence of structural valve deterioration has validated the design of the PERIMOUNT pericardial valve. PERIMOUNT is a reliable choice for patients more than 60 years of age.”<sup>3</sup>*

— Marchand, et al.

*All porcine mitral bioprostheses are sourced from aortic pig valves, typically withstanding only 80-100 mmHg in their native environment.<sup>3</sup>*

*The PERIMOUNT mitral valve is designed to withstanding human mitral closing pressures, which can reach 140 mmHg.*



# mitral tissue valve with a proven mitral design



## Uncompromised Design

- Mechanical stress may lead to leaflet tears, the main failure mode of porcine valves<sup>4,5</sup>
- The Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis is designed by computer-generating leaflet sizing according to the stent size, so that commissural stress is minimal<sup>6</sup>

## Uncompromised Durability

- Exceptional durability to 16 years<sup>1,7</sup>
- Leading institutions are now implanting mitral tissue valves in younger patients, based on life expectancy criteria and proven records of long-term performance<sup>2</sup>

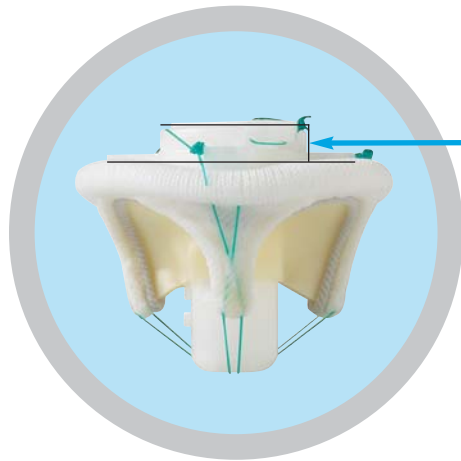
## Uncompromised Ease of Implantation

- New Tricentrix Holder System provides increased visibility and maximized operative space
- Unique concentric tri-tent system eases valve insertion and stenting



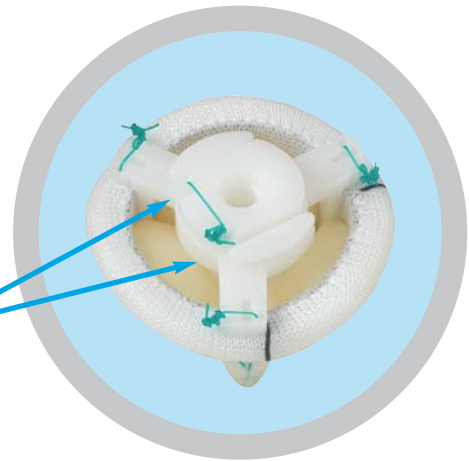
# Compromise in the Mitral Position?

## New Tricentrix Holder System



Ultra-low profile  
maximizes visibility

Quick handle release  
and one-piece  
holder removal



### References:

1. Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis 16-year Results. Data on file at Edwards Lifesciences, 2003.
2. Marchand MA, et al. Fifteen-year Experience with the Mitral Carpentier-Edwards PERIMOUNT Pericardial Bioprosthesis. *Ann Thorac Surg* 2001;71:5236-9.
3. Swine as Models in Biomedical Research. Swindle MM, editor. Iowa State University Press, Ames, Iowa 1992.
4. Vesely I, et al. Tissue damage and Calcification may be Independent Mechanisms of Bioprosthetic Heart Valve Failure. *J Heart Valve Dis* 2001;10:471-477.
5. Butany, et al. Morphological findings in explanted Hancock II porcine bioprostheses. *J Heart Valve Dis* 1999;8:4-15.
6. Jamieson WR, et al. Structural Valve Deterioration in Mitral Replacement Surgery: Comparison of C-E Supra-Annular Porcine and PERIMOUNT Pericardial Bioprosthesis. *J Thorac Cardiovasc Surg* 1999;11B(2):297-305.
7. Rahimtoola SH. The next generation of prosthetic heart valves needs a proven track record of patient outcomes at > or =15 to 20 years. *J Am Coll Cardiol* 2003; 42(10):1720-1.
8. Rahimtoola SH. Choice of prosthetic heart valve for adult patients. *J Am Coll Cardiol* 2003;41(6):893-904.

Caution: Federal (USA) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information.

Edwards Lifesciences devices placed on the European market meeting the essential requirements referred to in Article 3 of the Medical Device Directive 93/42/EEC bear the CE marking of conformity.

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