

The PASCAL repair system - a differentiated technology to treat MR patients

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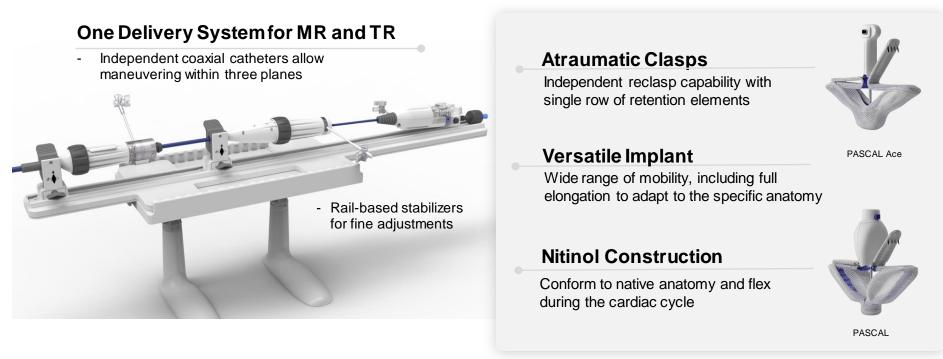


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I have the following potential conflicts of interest to report: CONSULTING FEES/HONORARIA: Meril Lifesciences, Admedus, Phillips, Edwards Lifesciences RESEARCH/RESEARCH GRANTS: Edwards Lifesciences, Dura Biotech







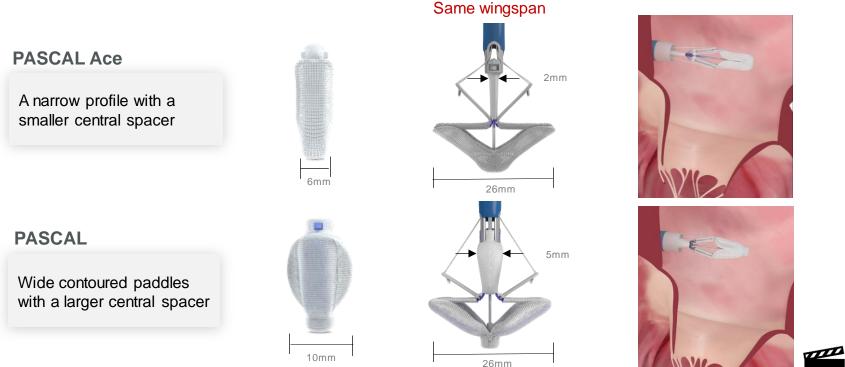
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PASCAL and PASCAL Ace Implants

Two distinct implants designed with the same functionalities



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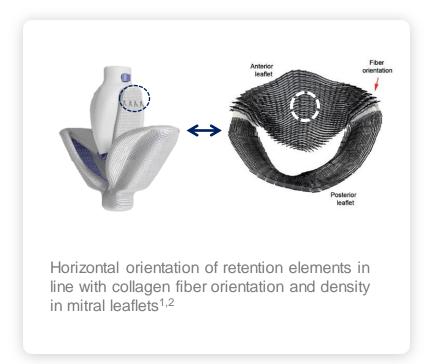


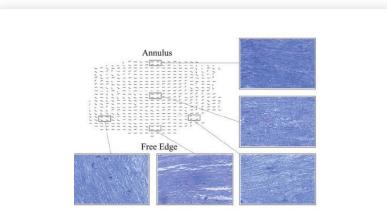
NOTE: All dimensions are in millimeters (mm).



Atraumatic clasps with a single row of retention elements

Goal: To ensure firm leaflet capture while preserving leaflet integrity*





- Free edge of the mitral leaflet is primarily a soft spongiosa structure^{3,4}
- PASCAL implants targets mid-point of leaflet to engage retention elements

¹Noack T, et al. Ann Cardiothorac Surg. 2013; 2:787–795; ²Rausch M, et al. Biomech Model Mechanbiology 2013; 12: 1053-1071. ³Stephens EH, et al. Circulation 2008; 118: S243-S249 ; ⁴Kunzelman K, et al. The Journal of Heart Valve Disease 1993; 2: 236-244, *Simulation Data on file

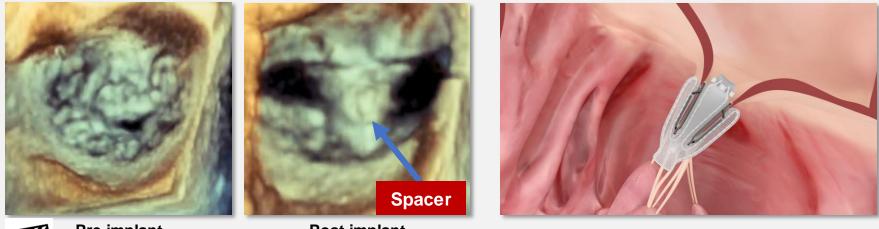
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PASCAL spacer technology

Goal: To fill the regurgitant orifice and block backflow



Pre-implant

Post-implant

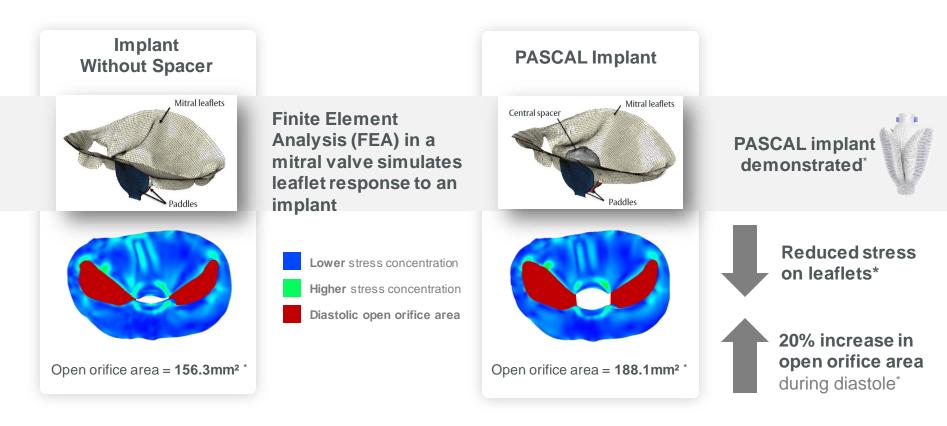
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PASCAL repair system spacer technology

Goal: To reduce leaflet stress and increase open orifice area for lower gradients



*Simulation Data on file

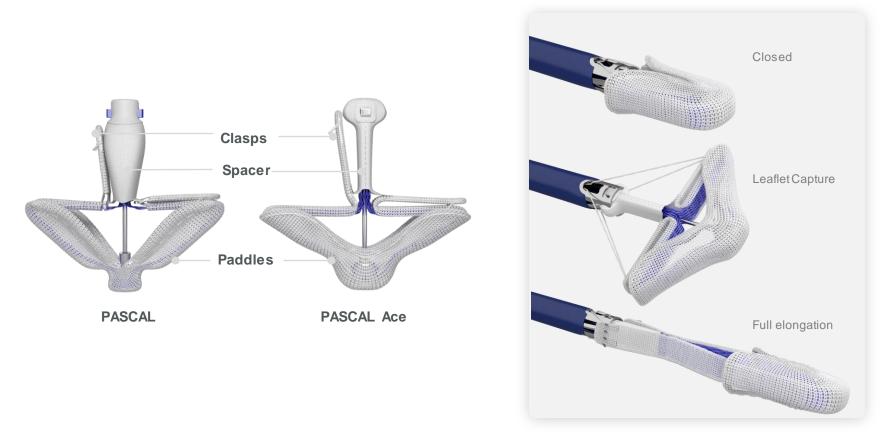
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Versatile Implant Configuration

Goal: To navigate even challenging anatomies^{1*}



¹.Fam N, et al. Compassionate Use of the PASCAL Transcatheter Valve Repair System for Severe Tricuspid Regurgitation. JACC Cardiovasc Interv. 2019; 12(24):2488-2495 *Perf ormance data on file

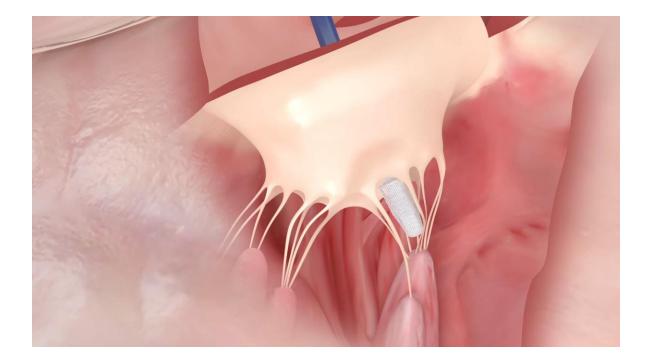
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Versatile Implant Configuration

Goal: To facilitate subvalvular maneuvering even in challenging anatomies¹



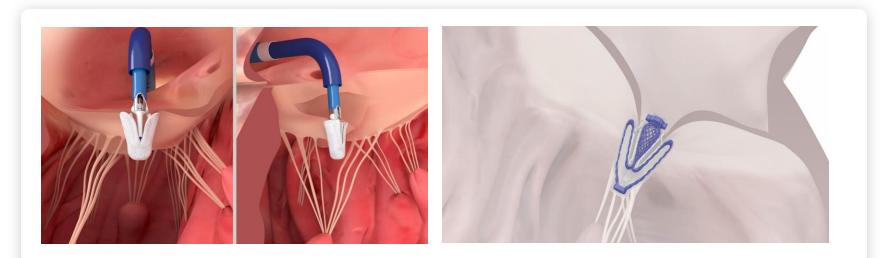
1.Fam N, et al. Compassionate Use of the PASCAL Transcatheter Valve Repair System for Severe Tricuspid Regurgitation. JACC Cardiovasc Interv. 2019; 12(24):2488-2495 For Professional use. See instructions for use. CE Marked medical device.





Nitinol construction

Goal: To conform to native anatomy and preserve leaflet integrity



Spring-like closure and dynamic implant flexing

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