

Two implant options to treat your MR patients

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Potential conflicts of interest

Speaker's name: Giuseppe Tarantini, MD, PhD

☐ I have the following potential conflicts of interest to report:

Lecture Fees for Edwards LifeSciences



Expert opinion disclaimer

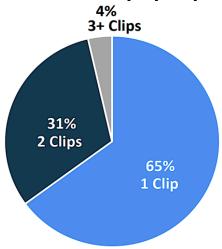
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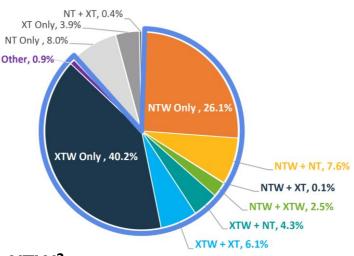
DO WE REALLY NEED 4 SIZES? EXPAND G4 Registry¹



 $96\% \le 2$ clips per pts



14 CLIP COMBINATIONS² 66% used NTW or XTW only



88% used NTW and/or XTW³

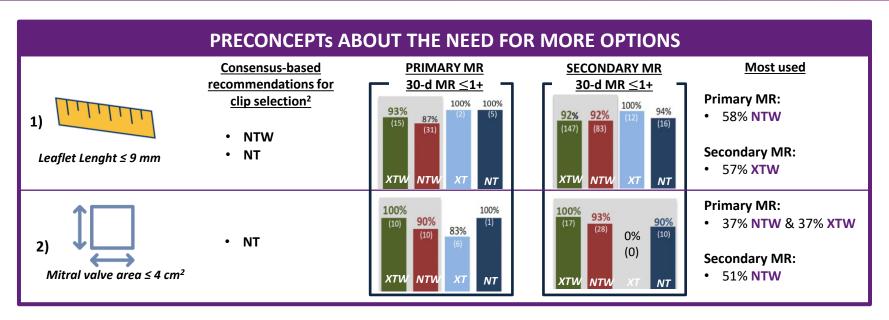
→ Mostly, only two implant options are used

¹Multicenter registry, with 60 sites, 1164 patients enrolled, 42% having degenerative mitral regurgitation. ²1141 subjects with at least 1 clip implanted ³Von Bardeleben R.S., Contemporary Clinical and Echocardiographic Outcomes of 1000+ Patients Treated with MitraClip™ G4: Results from the EXPAND G4 Post Approval Study. TCT 2022 Based on: Tarantini G., Two implant options to treat all your MR patients. Edwards TNT "Treating diverse mitral regurgitation anatomies: the power of versatility", EuroPCR 2023, May 16th.





DO WE REALLY NEED 4 SIZES? EXPAND G4 Registry¹



XTW and NTW are preferred as 1st clip option², despite the recommendations for clip selection No significant differences in MR reduction, despite the use of different clips

²Maisano F. et al., Clip Selection Strategy with 4th Generation MitraClipTM: Evidence-Based Recommendations from the Global EXPAND G4 Study. PCR London Valves 2022 Based on: Tarantini G., Two implant options to treat all your MR patients. Edwards TNT "Treating diverse mitral regurgitation anatomies: the power of versatility", EuroPCR 2023, May 16th.

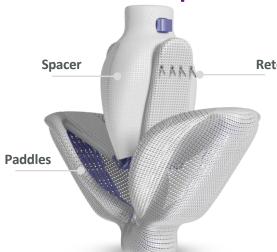




¹Multicenter registry, with 60 sites, 1164 patients enrolled, 42% having degenerative mitral regurgitation. MR: mitral regurgitation

Edwards PASCAL Transcatheter Valve Repair System*

PASCAL Implant

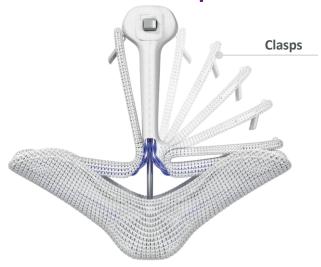


Retention elements

Retention elements

Single row of retention elements to clasp, reclasp, and preserve leaflets

PASCAL Ace Implant



Independent grasping & atraumatic clasp and closure

Allow for staged leaflet capture and adjustment and help you preserve leaflet integrity

Wide contoured paddles with a larger central spacer

Close the implant to conform to native anatomy and flex during the cardiac cycle

^{*} Performance, design and simulation data on file. Note: Images are not actual size

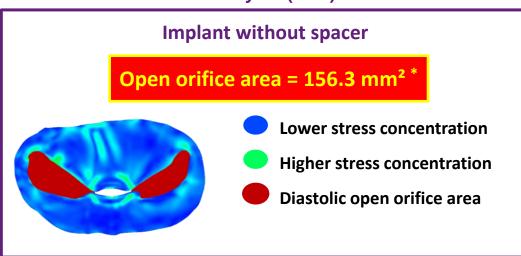


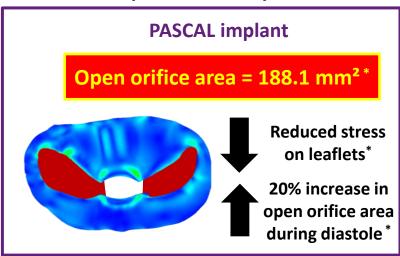


OVERARCHING PRINCIPLES FOR DEVICE SELECTION

- 1) Ensuring adequate MR reduction for both FMR and DMR
- 2) Provide preservation of MVA and stability of the implant with adequate leaflet capture

Finite Element Analysis (FEA) in a mitral valve simulates leaflet response to an implant





^{*} Simulation data on file; MR: mitral regurgitation; FMR: functional MR; aFMR: atrial FMR; DMR: degenerative MR; MVA: mitral valve area

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TWO IMPLANT OPTIONS FOR YOUR MR PATIENTS

Latest experts' recommendations¹

EuroIntervention 2023

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Anatomical features		NT	XT	NTW	XTW	PASCAL	PASCAL ACE	
Length of the mobile leaflet in the grasping zone	<9 mm	✓		✓	i	✓	✓	
	>9 mm		✓		✓	✓	✓	
Broad gap size				✓	✓	✓		
Small MVA (<4.5 cm ²)		✓		✓			✓	
Thin leaflet structure		✓		✓	i	✓	✓	
Commissural jet		✓		✓			✓	
Barlow's disease			✓		✓	✓	✓	
MVA: mitral valve area: PMR: primary mitral regurgitation: SMR: s	econdary mitral regu	rgitatio	n					

PASCAL Ace implant seems to be the workhorse

MR: mitral regurgitation

¹Hausleiter J. et al. Mitral valve transcatheter edge-to-edge repair. EuroIntervention. 2023 Jan 23;18(12):957-976

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Thank You!

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