

CG FUTURE[®]

Annuloplasty Band for Mitral Repair

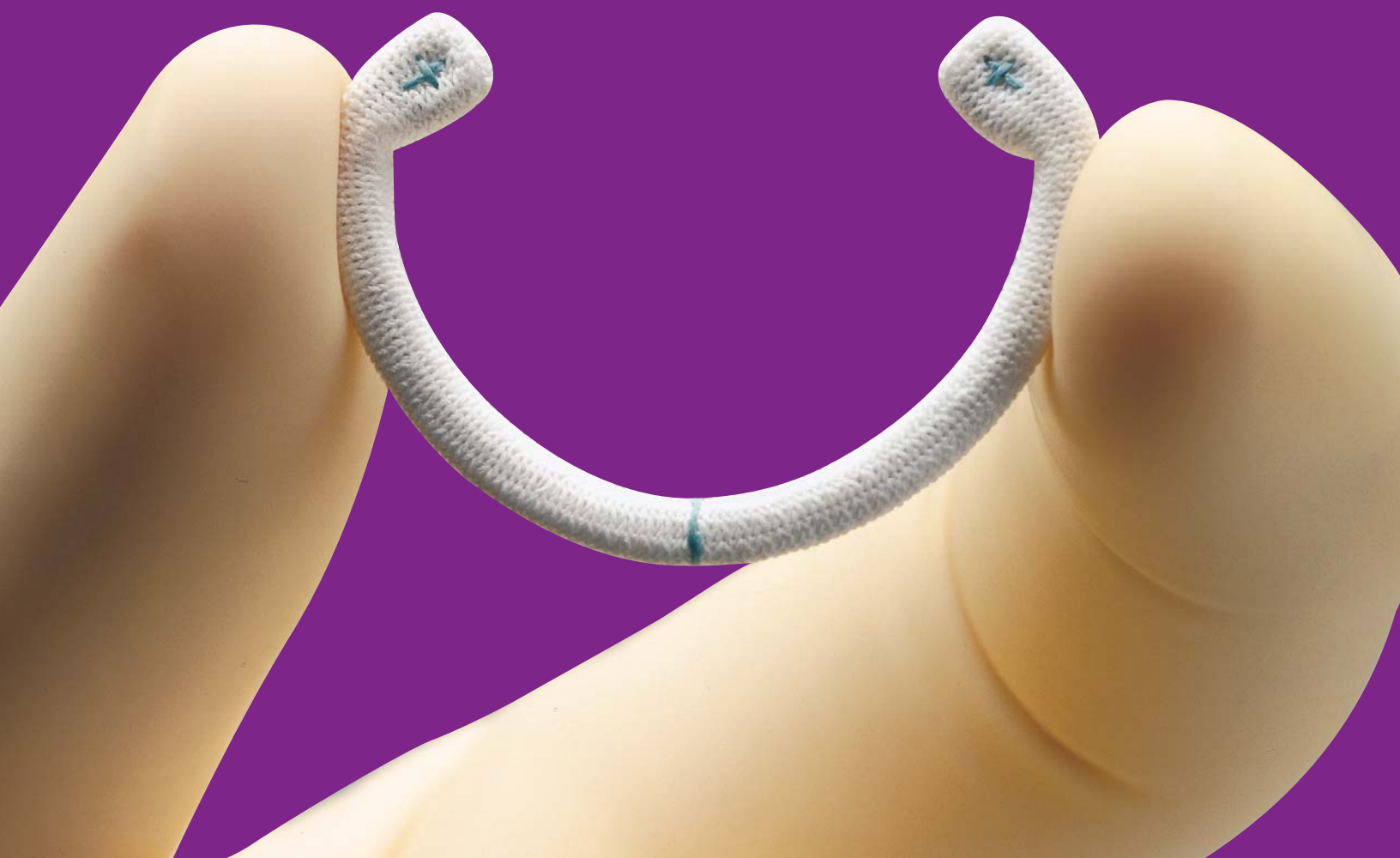


A Revolution in Repair

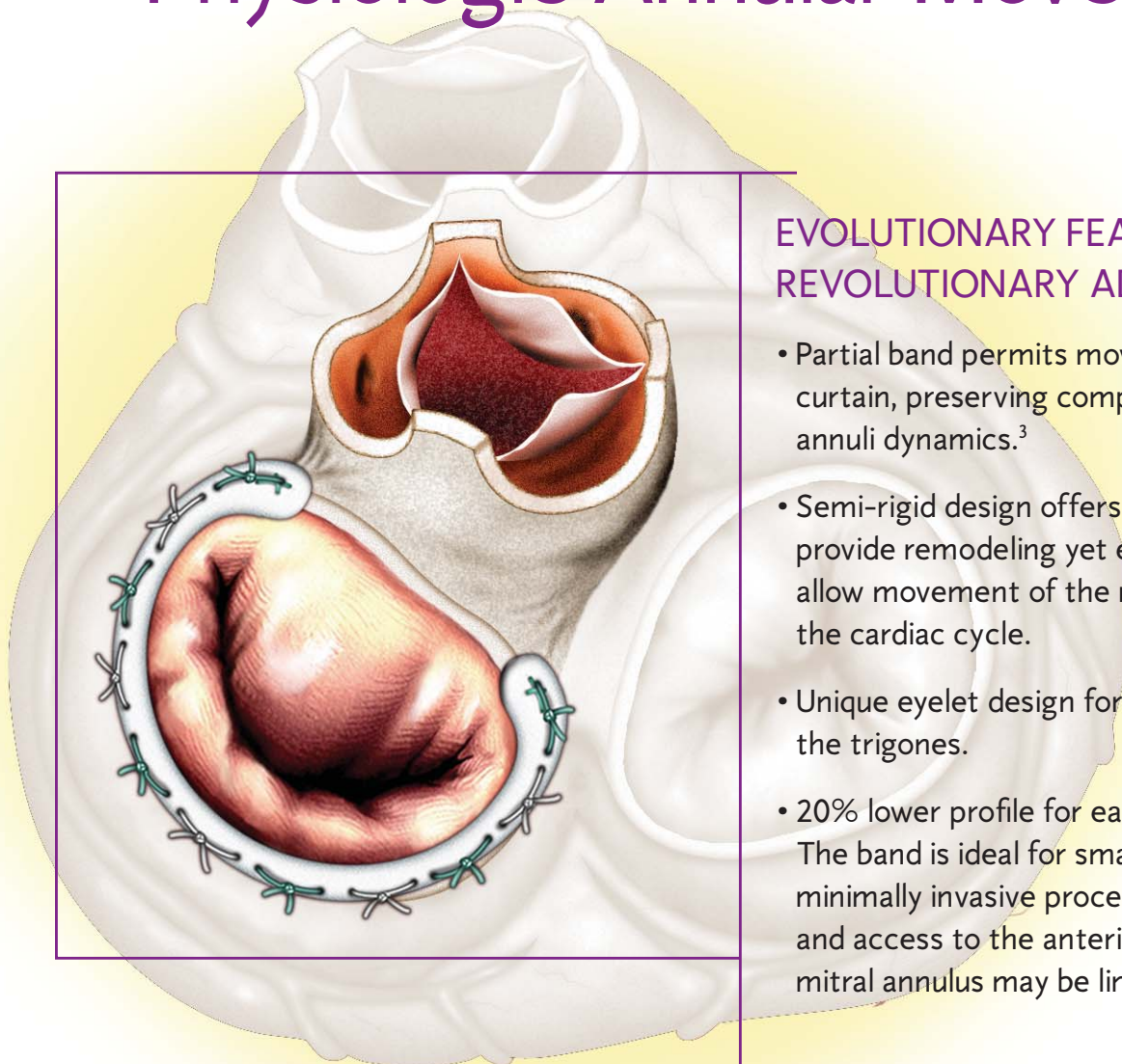
Considering that mitral valve repairs are performed predominantly for degenerative disease,^{1,2} Drs. Colvin and Galloway,* world-leading valve repair surgeons at New York University Medical Center, believed a device was needed that combined both remodeling and flexibility. They also wanted a device that would be easy to implant. The result is the CG Future® Band, designed to predictably remodel the annulus to maintain apposition of the anterior and posterior leaflets.



Revolutionary 3:4 Posterior Remodeling Preserves Dynamic Annular Motion



The CG Future[®] Band Remodels the Mitral Annulus while Supporting Physiologic Annular Movement.



EVOLUTIONARY FEATURES, REVOLUTIONARY ADVANTAGES

- Partial band permits movement in the aortic curtain, preserving complex aortic and mitral annuli dynamics.³
- Semi-rigid design offers enough stiffness to provide remodeling yet enough flexibility to allow movement of the mitral annulus during the cardiac cycle.
- Unique eyelet design for easy anchoring to the trigones.
- 20% lower profile for ease of implant.⁴
The band is ideal for small incisions and minimally invasive procedures where visibility and access to the anterior portion of the mitral annulus may be limited.

“In contrast to the rigid ring, the semi-rigid partial band permits more physiologic geometric changes and is associated with lower post-operative mitral valve gradients.”⁵

The orifice of a normal mitral valve is kidney-shaped, and its transverse diameter is 33 percent greater than its anteroposterior (A/P) diameter. In some diseased mitral valves, the annulus may be deformed so that the anteroposterior diameter becomes equal to or greater than the transverse diameter, altering the natural 3:4 ratio and resulting in mitral valve insufficiency.⁶ Semi-rigid annuloplasty remodels the annulus, restoring its physiologic annular ratio,⁷ while providing flexibility at the posterior annulus.¹

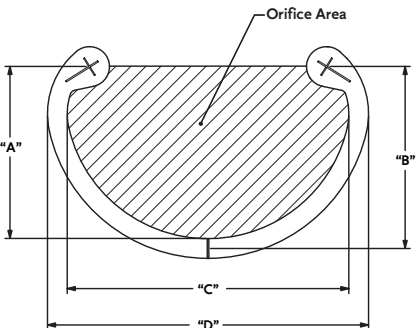
SYSTEM COMPONENTS

The CG Future® Band encompasses both performance and practicality. Each of the system components is packaged and ordered separately.

BAND - The CG Future® Band package contains a single annuloplasty assembly consisting of a band and holder packaged in sterile, double-aseptic transfer pouches. The packaging system is designed to ease placement of the device into the sterile field.

SIZER SET - The CG Future® sizers are designed to snap-fit one way with the malleable surgical stainless steel handle. The eight polysulfone sizers and handle can be resterilized and reused.

HANDLE - The malleable, surgical stainless steel handle snap-fits on to both the holder and the sizers. The handle comes in two lengths, 216 mm and 373 mm to accommodate various surgical techniques.

CG FUTURE® BAND DIMENSIONS						
	Size	A	B	C	D	Orifice Area
	26	16.38 mm	17.64 mm	26.0 mm	30.9 mm	332.0 mm ²
	28	17.48 mm	18.73 mm	28.0 mm	32.9 mm	382.8 mm ²
	30	18.59 mm	19.85 mm	30.0 mm	34.9 mm	437.4 mm ²
	32	19.71 mm	20.97 mm	32.0 mm	36.9 mm	496.3 mm ²
	34	20.83 mm	22.09 mm	34.0 mm	38.9 mm	559.2 mm ²
	36	21.92 mm	23.18 mm	36.0 mm	40.9 mm	625.1 mm ²
38	23.04 mm	24.29 mm	38.0 mm	42.9 mm	695.7 mm ²	

ORDERING INFORMATION: CG FUTURE® ANNULOPLASTY BAND	
Order #	Description
638BL26	CG Future® Annuloplasty Band Model 638B, 26 mm
638BL28	CG Future® Annuloplasty Band Model 638B, 28 mm
638BL30	CG Future® Annuloplasty Band Model 638B, 30 mm
638BL32	CG Future® Annuloplasty Band Model 638B, 32 mm
638BL34	CG Future® Annuloplasty Band Model 638B, 34 mm
638BL36	CG Future® Annuloplasty Band Model 638B, 36 mm
638BL38	CG Future® Annuloplasty Band Model 638B, 38 mm

ORDERING INFORMATION: CG FUTURE® ANNULOPLASTY SYSTEM COMPONENTS	
Order #	Description
7638S	CG Future® Sizer Set (eight sizers)**
7615	Annuloplasty Handle (216 mm length)
7615XL	Annuloplasty Handle (373 mm length)
T7630	CG Future® Accessory Tray

** CG Future® Composite Ring available in size 24 mm.

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* Drs. Stephen B. Colvin and Aubrey C. Galloway have a financial interest through royalties from Medtronic Inc., on sales of the CG Future® Annuloplasty System.

CG Future® Annuloplasty System

Indications: This device is indicated for the reconstruction and/or remodeling of pathological mitral valves. Valvular insufficiency and/or stenosis may be corrected by appropriate repair and annular remodeling.

Contraindications: Heavily calcified valves, valvular retraction with severely reduced mobility, active bacterial endocarditis.

Warnings/Precautions/Adverse Events: Only physicians who have received proper training in valve repair should use this device. Adverse events can include: thromboembolic events, dehiscence, hemolysis, stenosis, residual incompetence, heart block, endocarditis, systolic anterior motion, left ventricular outflow tract obstruction, anticoagulant-related bleeding or hemorrhage.

For additional information please refer to the Instructions for Use provided with the product or contact your local Medtronic representative.

CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician.