

The gold standard for mitral valve repair



Carpentier-Edwards Physio Annuloplasty Ring

The #1 clinically proven annuloplasty ring.



Edwards
LIFESCIENCES

The Gold Standard for remodeling

Carpentier-Edwards Physio Annuloplasty Ring

The low incidence of reoperation and late cardiac events suggest that the Carpentier-Edwards Physio annuloplasty ring, with its inherent flexibility, offers a definite advantage in the application of remodeling techniques in mitral valve reconstruction.¹

DESIGNED TO BE THE BEST OF BOTH WORLDS



Semirigid Flexibility

- Variable flexibility is created by the movement of Elgiloy bands separated by plastic bands.
- Allows for **Physiologic** contractility of the mitral valve annulus during systole.
- Minimizes stress on sutures.



Remodeling

- Preserves natural 3:4 ratio between the anteroposterior diameter and transverse diameter during systole.
- Restores anatomical size and shape to provide optimal orifice area.

Based on a 25-year experience, the Carpentier-Edwards Physio annuloplasty ring incorporates all of the features mandatory for a physiological and durable repair of the mitral valve annulus.²

ng while preserving flexibility

PHYSIOLOGIC ANATOMICAL CONFORMANCE



- The original saddle shape to better fit **Physiologic** dimensions while remodeling the annulus to its anatomic shape.
- Conforms to the configuration of the normal mitral annulus.

Mitral valve reconstruction is the treatment of choice for most patients with regurgitant lesions.¹

Carpentier-Edwards Physio Annuloplasty Ring

The #1 clinically proven annuloplasty ring.

I.	492 Patients	These findings support the continued use of the Carpentier-Edwards Physio annuloplasty ring in patients presenting with mitral insufficiency secondary to degenerative disease of the mitral valve as well as in the clinical setting of ischemic mitral insufficiency. ¹
II.	190 Patients	The Carpentier-Edwards Physio annuloplasty ring provided reliable and stable results at medium-term follow-up with a very low incidence of valve-related complications. ³
III.	137 Patients	Based on a 25-year experience, the Carpentier-Edwards Physio annuloplasty ring incorporates all of the features mandatory for a physiological and durable repair of the mitral valve annulus. ²
IV.	100 Patients	The authors conclude that the Carpentier-Edwards Physio annuloplasty ring enables reliable and effective mitral valvuloplasty with excellent short-term results. ⁴
V.	51 Patients	Excellent results of combined restrictive annuloplasty and CABG were obtained. ⁵
VI.	30 Patients	The findings from this study indicated a low incidence of device-related complication, while excellent valvular function was maintained. ⁶

Helping patients is our life's work, and

life is now

Carpentier-Edwards Physio Annuloplasty Ring — The Gold Standard

The Carpentier-Edwards Physio annuloplasty ring can play a critical role in the operative management of patients presenting with mitral valve disease.¹

Model Description	Model Number
Carpentier-Edwards Physio annuloplasty ring (Sizes 24 mm-40 mm)	4450
Handle	1150
Extended handle (total length 10.4 inches)	1151
Mitral sizers	1174
Handle for sizers (reusable)	1111
Handle for sizers (single use)	1126

References:

1. Accola KD, Scott ML, Thompson PA, et al. Midterm outcomes using the physio ring in mitral valve reconstruction: experience in 492 patients. *Ann Thorac Surg.* 2005;79(4):1276-83.
2. Carpentier AF, Lessana A, Relland JY, et al. The "Physio-Ring": An Advanced Concept in Mitral Valve Annuloplasty. *Ann Thorac Surg.* 1995;60:1177-1185.
3. Raffoul R, Uva MS, Rescigno G, et al. Clinical evaluation of the Physio annuloplasty ring. *Chest* 1998 May;113(5):1296-301.
4. Sousa Uva M, Raffoul R, Belli E, et al. Initial results of mitral valvuloplasty using the Physio-Carpentier-Edwards ring. *Arch Mal Coeur Vaiss.* 1997 Jun;90(6):789-95.
5. Bax JJ, Braun J, Somer ST, et al. Restrictive Annuloplasty and Coronary Revascularization in Ischemic Mitral Regurgitation Results in Reverse Left Ventricular Remodeling. *Circulation.* 2004;110:II-103 – II-108.
6. Kurosawa H, Nakano M, Kawase M, et al. Mitral valve repair by Carpentier-Edwards physio annuloplasty ring. *Jpn J Thorac Cardiovasc Surg.* 1999 Aug;47(8):355-60.

Any quotes used in this material are taken from independent third-party publications and are not intended to imply that such third party reviewed or endorsed any of the products of Edwards Lifesciences.

Rx only. 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.

Edwards is a trademark of Edwards Lifesciences Corporation. Edwards Lifesciences, the stylized E logo, and Carpentier-Edwards Physio are trademarks of Edwards Lifesciences Corporation and are registered in the United States Patent and Trademark Office.

Elgiloy is a trademark of Elgiloy Limited Partnership.

© 2007 Edwards Lifesciences LLC
All rights reserved. AR02335



Edwards Lifesciences

Edwards Lifesciences LLC · One Edwards Way · Irvine, CA 92614 USA · 949.250.2500 · 800.424.3278 · www.edwards.com
Edwards Lifesciences (Canada) Inc. · 1290 Central Pkwy West, Suite 300 · Mississauga, Ontario · Canada L5C 4R3 · 905.566.4220
Edwards Lifesciences S.A. · Ch. du Glapin 6 · 1162 Saint-Prex · Switzerland · 41.21.823.4300
Edwards Lifesciences Japan · 2-8 Rokubancho · Chiyoda-ku, Tokyo 102-0085 · Japan · 81.3.5213.5700