Edwards Cardioband Tricuspid Valve Reconstruction System

The Right Solution for the Right Side

The first transcatheter device designed to treat patients with tricuspid regurgitation (TR)
Severe tricuspid regurgitation is largely undertreated.

Patient mortality is significant.

<1% are treated surgically*  

>36% one-year mortality rate for severe TR²

• Many patients diagnosed with symptomatic tricuspid regurgitation are medically managed

• Tricuspid regurgitation can have a negative impact on patient quality of life ³,⁴

Did you know?  
90% of severe TR cases is secondary or functional with annular reduction being the main cause.⁵

* Based on US data.
Cardioband Tricuspid Valve Reconstruction System.

The first-ever, CE Marked transcatheter tricuspid annular reduction system

Designed to safely and effectively reduce tricuspid regurgitation through annular reduction.$^{6,7}$

- **Restores** valve to a more functional state, facilitating leaflet coaptation
- **Enables** annular reduction based on each patient's anatomy
- **Supports** real-time adjustment and confirmation of procedural results

**Did you know?**

For surgical techniques, long term studies suggest that ring annuloplasty surgery repairs are more durable than suture annuloplasty repairs.$^8$
Cardioband Tricuspid System and its key advantages.

Annular reconstruction benefits:

- Addresses annular dilatation, the main physiological cause of TR\(^1\)
- Allows real-time intraprocedural adjustment and results confirmation\(^7\)
- Facilitates leaflet coaptation\(^6\)
- Preserves native anatomy with supra-annular fixation\(^7\)
- Enables future possible treatment options\(^7\)

Tricuspid valve with annular flattening and dilatation due to severe TR\(^1\)
Discover the 3 main steps in our animated procedure.7

1. Access
Insert Cardioband delivery system into the right atrium using a transfemoral approach.

2. Deploy
Deploy implant via a steerable catheter to navigate around the tricuspid annulus, securing the implant with stainless steel anchors.

3. Adjust
Introduce the size adjustment tool over a wire and rotate the adjustment knob clockwise for implant contraction to reduce annular diameter.
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Did you know?
The Cardioband tricuspid system is purposefully designed for controlled and stabilized catheter movements.  

Designed for a precise positioning in patient anatomy.

- Offers different implant sizes for each patient with a Cardioband implant working length from 76 to 116 mm.
- Treats the tricuspid valve annulus (Aorta to Coronary Sinus) from a range of 73 to 120 mm.

Implant delivery system

- Transfemoral Steerable Sheath (TSS)
- Cradle
- Radiopaque markers
- Contraction wire
- Adjustment mechanism
- SAT Leading wire
- Guide Catheter (GC)
- GC-IC fixator
- Implant Catheter (IC)
- Stand
Clinical results show the Cardioband Tricuspid System safely and effectively reduces tricuspid regurgitation and improves quality of life.⁶
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- **Reduce** the annulus based on each patient’s anatomy
- **Repair** with real-time confirmation of results
- **Restores** valve to a more functional state

References

7. Edwards Cardioband Tricuspid Valve Reconstruction System Instructions For Use, 2021. DOC-0137600A.

For professional use. For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use (consult eifu.edwards.com where applicable).

Edwards 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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