

TRICENTO^{M2M}

An innovative solution for patients that suffer from Tricuspid regurgitation

TRICENTO^{M2M} is a novel minimally invasive procedure for sealing the venous system from the right atrium in the presence of severe tricuspid regurgitation.

In this procedure, an implant consisting of nitinol springs and porcine pericardium is minimally invasively inserted into the vena cava and anchored to cover the right atrium. A lateral valve element integrated into the implant prevents right ventricular blood from flowing back into the venous system, but allows blood from the superior and inferior vena cava to pass into the right atrium. This compensates for the leakage of the diseased native tricuspid valve to the extent that there is no longer flow and thus excess pressure in the venous circulation. Thus, the unphysiological pressure changes in the venous system, which lead to considerable symptomatology, are corrected. The anchoring and sealing of the prosthesis will be done by radial force and oversizing to the vessel diameter from 16-35mm. The flap element is designed to open and close even in the presence of small pressure differences prevailing in the venous system.

Implantation of the prosthesis is performed by means of a 24F catheter system into which the prosthesis is loaded prior to the procedure. Through access to the femoral veins, the catheter is advanced to the right atrium. The prosthesis is aligned using radiopaque markers that clearly indicate the orientation of the valve element. Release of the prosthesis occurs via retraction of the catheter of the catheter system, allowing the implant to deploy.

The release mechanism is designed to allow for a controlled gradual release on the one hand, and on the other hand, the implant can be pulled completely back into the catheter (resheating) until a certain degree of release is reached to ensure accurate positioning and a safe procedure.



Please contact us for more personal and detailed information

TD Medical bv



Tricento is not CE-marked yet.