SOLO SMART™
The smart way to return to life

Native-like performance
now with stented-like implantability
MANY PATIENTS NEED SUPERIOR HEMODYNAMIC PERFORMANCE TO RETURN TO THEIR NORMAL LIFESTYLE.
SOLO SMART™

SOLO SMART IS PARTICULARLY INDICATED FOR PATIENTS...

...WITH AN ACTIVE LIFESTYLE

During exercise or even during normal daily activities, where there’s an increasing cardiac output, some prostheses can obstruct the blood flow. This can lead to higher pressure gradients which are not apparent at rest.


...AT RISK OF PPM

When implanting a prosthesis, the presence of PPM can have an impact on patient outcomes. PPM is associated with less improvement in symptoms and functional class, impaired exercise capacity, less regression of LV hypertrophy, and more adverse cardiac events.


...REQUIRING CONCOMITANT AVR AND MV SURGERY

Patients requiring a concomitant procedure can result with a smaller effective aortic area and reduced dynamics due to a constrictive effect of the annuloplasty ring or mitral prosthesis.

SOLO SMART™ allows your patient to live their life without limits.

THE ONLY NATIVE LIKE VALVE WITH STENTED-LIKE IMPLANTABILITY

SOLO SMART™ satisfies both your and your patients’ needs:

• The only valve designed to provide superior hemodynamics and clinical outcomes.

• All the benefits of FREEDOM SOLO now with an easier and smarter implantability.
SPECIFICALLY DESIGNED FOR PATIENTS REQUIRING SUPERIOR HEMODYNAMIC PERFORMANCE.

Early clinical and hemodynamic results after aortic valve replacement with the FREEDOM SOLO bioprosthesis (experience of Italian multicenter study).

A. Repossini, M. Rambaldini, V. Lucchetti, U. Da Col, F. Cesari, C. Mignosa, E. Picano and M. Glauber

The FREEDOM SOLO Valve for Aortic Valve Replacement: Clinical and Hemodynamic Results from a Prospective Multicenter Trial.

*The Journal of Heart Valve Disease* 2010;19:115-123

SOLO SMART PROVIDES SUPERIOR HEMODYNAMIC PERFORMANCE FOR ALL VALVE SIZES, EVEN THE SMALLEST.
“The present study showed that large EOAs and EOAI’s remained substantially stable after the first post-operative year. Our data are consistent with previous studies, which demonstrated excellent early clinical and hemodynamic results.”

Early clinical and hemodynamic results after aortic valve replacement with the FREEDOM SOLO bioprosthesis (experience of Italian multicenter study).

A. Repossini, M. Rambaldini, V. Lucchetti, U. Da Col, F. Cesari, C. Mignosa, E. Picano and M. Glauber

SOLO SMART PROVIDES HEMODYNAMICS, EOA AND EOAI CLOSE TO THOSE OF HEALTHY NATIVE VALVES ENSURING SUPERIOR OUTCOMES AND LOWER RISK OF MISMATCH.
A VALVE THAT ADAPTS TO THE EVERY DAY NEEDS OF THE PATIENT!

Because the Solo Smart™ has no rigid support and is placed supra-annularly it does not restrict the blood flow, offering superior hemodynamics. Hemodynamic performance of Solo Smart under exercise is characterized by:

- Low gradients under stress
- Modest mean gradients increase from rest to stress
- EOA and EOAi increase during exercise
- Significant LVM regression at 12 months

Early clinical and hemodynamic results after aortic valve replacement with the FREEDOM SOLO bioprosthesis (experience of Italian multicenter study).

A. Repossini, M. Rambaldini, V. Lucchetti, U. Da Col, F. Cesari, C. Mignosa, E. Picano and M. Glauber


THE VALVE MIMICS THE PHYSIOLOGY OF A NATIVE VALVE WITH THE ABILITY OF INCREASING ITS EOA TO RESPOND TO INCREASING PHYSIOLOGIC DEMANDS.
EVERYTHING UNDER CONTROL

The new Solo Smart maintains the valve geometry and symmetry within the aortic root to simplify implant procedure and suturing.
EASIER, SMARTER IMPLANT PROCEDURE
IMPROVES CONFIDENCE DURING IMPLANTATION

- Improves visibility of implantation site during valve positioning and suturing.
- Features a "temporary stent" that gives support and facilitates Solo valve implantation.
- Less time required to complete valve suturing (more than 20% time reduction).
- Reduces the learning curve in first time users.

ALL THE BENEFITS OF A NATIVE-LIKE VALVE
NOW WITH THE EASE OF A STENTED BIOPROSTHESIS IMPLANTATION

References: Data on file.