

## Disclosure of Relevant Financial Relationships

Within the prior 24 months, I have had a financial relationship with a company producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients:

Nature of Financial Relationship	Ineligible Company
Consultant	Abbott, Bristol-Myers Squibb, Edwards Lifesciences, P&F Products & Features GmbH, Philips
Research Contract	Abbott



## **Unmet Clinical Need**



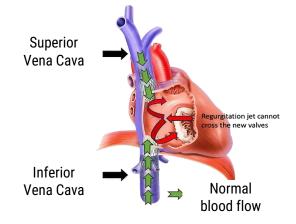
#### **Intended Use**

The TricValve® Transcatheter Bicaval Valve System is indicated for patients with symptomatic severe tricuspid regurgitation (hemodynamically relevant) and caval reflux, at high risk for open surgical therapy.

**CE Marked** since 2021 and commercially available outside the US

Breakthrough device designation

As the device enters pivotal U.S. trials, long-term clinical data are critical to guide its future role in treatment algorithms





TricValve Model	Valve size (mm)
SVC 25	25
SVC 29	29
IVC 31	31
IVC 35	35

团	Prior tricuspid interventions or surgery
Ø	Existing pacemakers or defibrillator leads
Ø	TTE guidance for IVC (Fluoro for SVC deployment)
Ø	100% agnostic to tricuspid anatomy
Ø	TricValve can be done under conscious sedation
Ø	Easier imaging requirements
M	Minimal to zero HALT in global experience, under standard OAC conditions)  Low rate of thrombosis

# TRICUS Registry: European post market study



**P&F PRODUCTS & FEATURES** 

### **Objective**

The objective of this study is to monitor the mid- and long-term safety of the TricValve® in a real-world setting

### **Patients and sites**

Target # of patients: 450 patients

Target # of sites: 100 sites

Data shown: **107 patients at 36 sites** in Europe

### **Endpoints**

### Primary endpoint

First unplanned heart failure hospitalization (HFH) at 12 months

### Secondary endpoints

- All-cause mortality,
- Serious adverse events (SAEs),
- NYHA class, functional capacity
- Device-related complications up to 5 years

	Procedure	30 days	3M	6M	1Y	2Y	3Y	4Y	5Y
	N =107	N=102	N=96	N=89	N=80	N=58	N=41	N=33	N=12
N. of pts with completed visit	107	76	71	64	72	34	16	10	3
	(100%)	(75%)	(74%)	(72%)	(90%)	(59%)	(39%)	(30%)	(25%)
N. of pts with missed visit	26	25	25	8	24	25	61	23	9
	(25%)	(26%)	(28%)	(10%)	(75%)	(41%)	(75%)	(70%)	(75%)



# **Medical History**



Baseline Medical History	N. Patients	% Patients
Medical Condition		
Tricuspid regurgitation	107	100.0%
Tricuspid regurgitation (primary/organic)	16	15.0%
Tricuspid regurgitation (secondary/functional)	91	85.0%
Comorbidities		
Atrial Fibrillation	96	89.7%
Arterial Hypertension	77	72.0%
Chronic Renal Failure	39	36.4%
Diabetes Mellitus	18	16.8%
Significant coronary heart disease (>75% stenosis)	14	13.1%
Chronic Obstructive Lung Disease	13	12.1%
Prior Stroke	10	9.3%
Prior Myocardial Infarction	7	6.5%
Peripheral Vascular Disease	4	3.7%
Other	67	62.6%
Surgeries / Medical Procedures		
Pacemaker implantation	23	21.5%



# **TRICUS Registry - Baseline Characteristics**



Parameter (N = 107 patients)	Mean ± SD or n (%)
Age	77.9 ± 6.0
Female	72%
Male	28%
Height (cm)	162.1 ± 8.9
Weight (kg)	68.6 ± 14.4
BMI (kg/m2)	26.1 ± 5.2
EuroScore II	5.4 ± 4.1
NYHA Class I	0 (0%)
NYHA Class II	20 (20%)
NYHA Class III	69 (70%)
NYHA Class IV	9 (9%)
KCCQ-12	40.5 ±21.1
6MWT (m)	230.9 ± 95.5



# **Major Adverse Events (MAE)**



MAEs in TRICUS registry, cumulative over time (N=107)

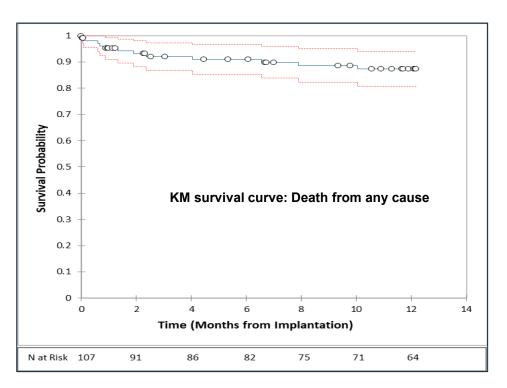
	6 lu	N (%)							
MAE	Causality	30 D	3 M	6 M	1 Y	2 Y	3 Y	4 Y	5 Y
	Related	2 (2%)	3 (3%)	3 (3%)	3 (3%)**	4 (4%)	4 (4%)	4 (4%)	4 (4%)
Death	Unrelated	3 (3%)	5 (5%)	6 (6%)	9 (8%)*	12 (11%)	13 (12%)	15 (14%)	16 (15%)
Death	All-cause	5 (5%)	8 (7%)	9 (8%)	12 (11%)	16 (15%)	20*** (19%)	22***(21%)	25*** (23%)
	Related	1 (1%)	1 (1%)	1 (1%)	1 (1%)	1 (1%)	1 (1%)	1 (1%)	1 (1%)
Stroke	Unrelated	0 (0%)	1 (1%)	2 (2%)	3 (3%)	3 (3%)	3 (3%)	3 (3%)	3 (3%)
	All-cause	1 (1%)	2 (2%)	3 (3%)	4 (4%)	4 (4%)	4 (4%)	4 (4%)	4 (4%)
Major Bleeding	Related	3 (3%)	3 (3%)	3 (3%)	3 (3%)**	3 (3%)	3 (3%)	3 (3%)	3 (3%)
	Unrelated	0 (0%)	1 (1%)	3 (3%)	3 (3%)*	4 (4%)	5 (5%)	5 (5%)	5 (5%)
	All-cause	3 (3%)	4 (4%)	6 (6%)	6 (6%)	7 (7%)	8 (7%)	8 (7%)	8 (7%)
Cardiac Surgery	Related	0	0	0	0	0	0	0	0
Cardiac Tamponade	All-cause	0	0	0	0	0	0	0	0
Myocardial Infarction	All-cause	0	0	0	0	0	0	0	0
Tot	al (related)	6 (6%)	7 (7%)	7 (7%)	7 (7%)**	8 (7%)	8 (7%)	8 (7%)	8 (7%)
Total	(unrelated)	3 (3%)	7 (7%)	11 (10%)	15 (14%)*	19 (18%)	21 (20%)	23 (21%)	24 (22%)
Total	(All-cause)	9 (8%)	14 (13%)	18 (17%)	22 (21%)	27 (25%)	32* (30%)	34*(32%)	37* (35%)

MAE profile of TricValve® supports the clinical acceptability of the safety risk in this surgically inoperable population.

Extremely low (< 1%) onset of new pacemaker due to TricValve® Implantation

# **All-Cause Mortality**





All cause mortality at 1 year, N = 107

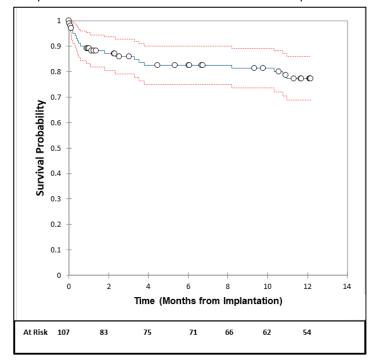
1-year survival rate is particularly notable when considering the high baseline mortality risk typically associated with this patient population



# **Heart Failure Hospitalizations**



Kaplan-Meier survival curve - First Heart Failure Hospitalization



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Freedom from HFH at 1 year **80%** 

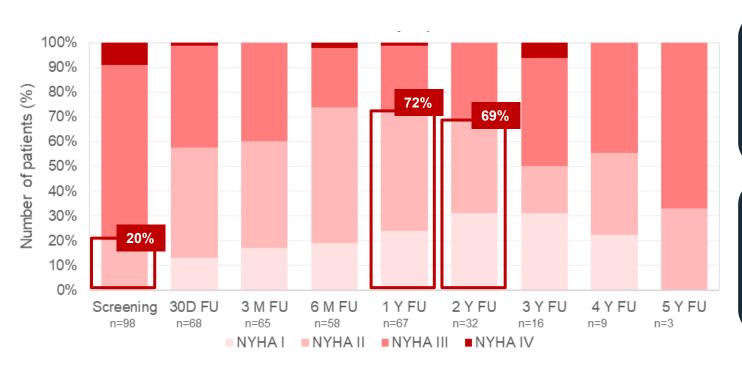
First Heart Failure Hospitalization during follow up

	30 days N (%)	3 months N (%)	6 months N (%)	1 year N (%)	2 years N (%)	3 years N (%)	4 years N (%)	5 years N (%)
N. of patients	102	96	89	80	58	41	33	12
N. of first HFH	11 (11%)	3 (3%)	3 (3%)	4 (5%)	2 (3.5%)	1 (2%)	0	1 (8%)
Related	1 (1%)	0	0	0	0	0	0	0
Unrelated	10 (10%)	3 (3%)	3 (3%)	4 (5%)	2 (3.5%)	1 (2%)	0	1 (8%)



## **NYHA Class**





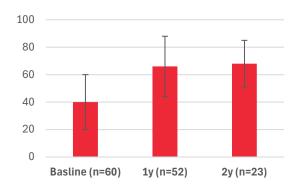
72%
NYHA Class I
or II at 12
Months

69% NYHA Class I or II at 24 Months

# Quality of life improvements

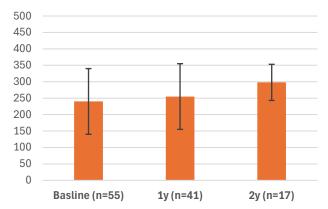


**KCCQ Score** 



**54%**KCCQ Score increase at 12 Months

6MW Distance



15% 6MW Distance increase at 12 Months

## **Conclusions**



- TRICUS Registry represents the post market dataset to date for the TricValve® system
- The interim results confirm the safety and durable clinical benefit in a high-risk, comorbid patient population
- This global, real-world experience offers essential insights into patient selection and long-term performance, especially for US pivotal trials