# Edwards CENTERA Self-Expanding THV System - Initial Experience

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#### **Disclosure**

Consultant and proctor to Edwards Lifesciences



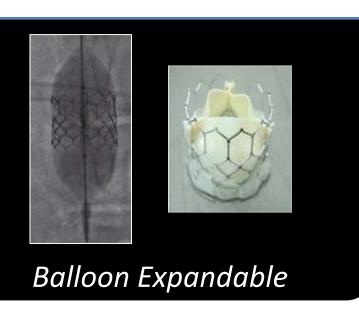
#### **Edwards Platforms**



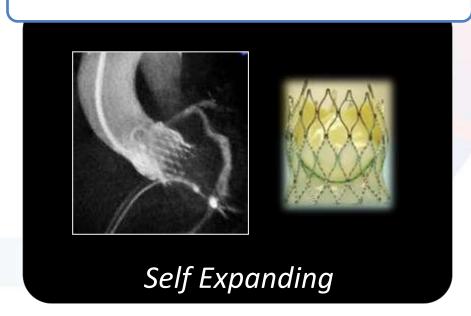
- Complementary
- Similar design features
- Designed to deployed similar position



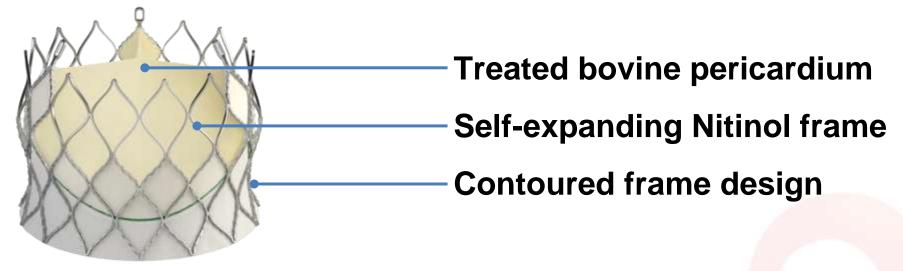
#### **Edwards SAPIEN 3** Valve



#### **Edwards CENTERA** Valve



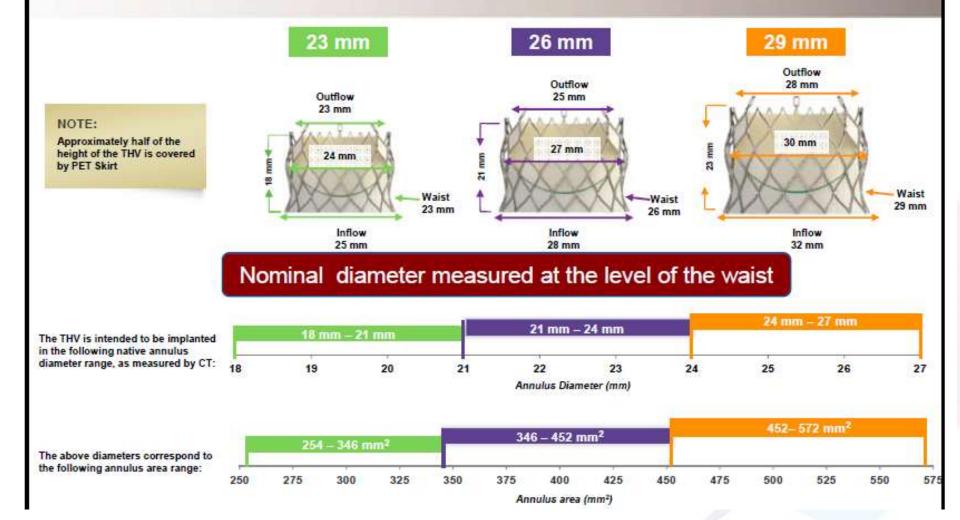
#### **Edwards CENTERA Transcatheter Heart Valve**





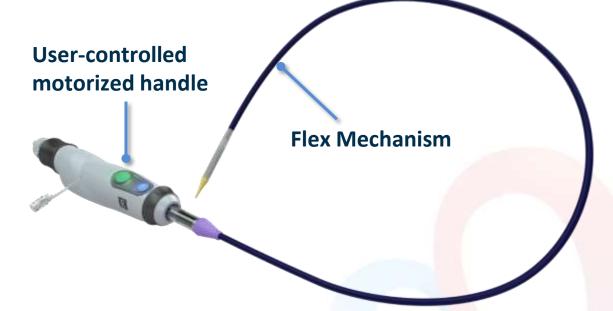
#### **Edwards CENTERA THV**





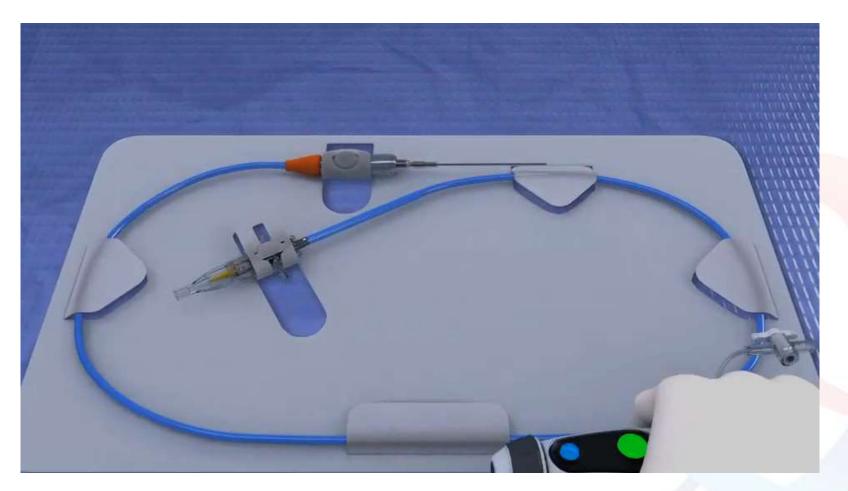
Edwards CENTERA Transcatheter Heart Valve System





- Compatible with ultra-low profile 14F eSheath
- THV deployment achieved via user-controlled motorized handle
- Quick preparation system
- Flex mechanism for trackability and coaxial alignment

# Edwards CENTERA Transcatheter Heart Valve System



## CENTERA EU Study Investigational Sites

	The CENTERA EU Trial
	THE SERVICE THAT
Objective:	To assess the safety and efficacy of the Edwards CENTERA Self-Expanding Transcatheter Heart Valve in high-risk/inoperable patients who are eligible for surgical aortic valve replacement
Primary Endpoint:	All-cause mortality at 30 days post-index procedure
Secondary Endpoints:	Technical success, safety and efficacy endpoints, echocardiographic endpoints
Organization:	Steering Committee, Clinical Events Committee (VARC 2), Echo Core Lab and CT Core Lab
Scope:	N = 200 pts / Location = EU & ANZ / sizes = 23, 26, 29mm / Access = TF  Population: HR; inoperable (risk scores & Heart Team Assessment)
Follow-Up:	30 days, 6 months, 1 year, and annually for 5 years

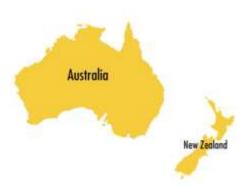
#### 23 active centers across 9 countries



### **CENTERA EU Study - Investigational Sites**

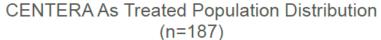
**23** Active Centers across **9** Countries

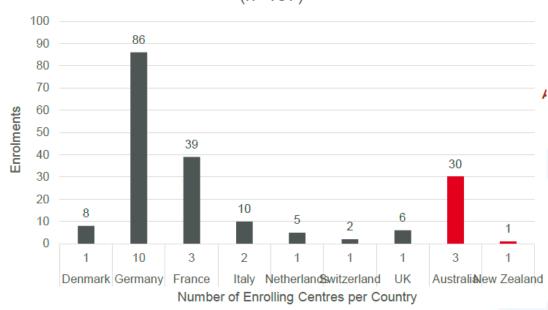
**200 patients** completed June-2016





### **CENTERA EU Study - Investigational Sites**





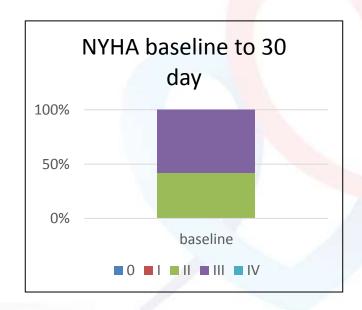
# **TPCH 12 patients Patient Baseline Profile**

Age (yr)	85.17 ± 7.1
Female	8/12 (66.7%)

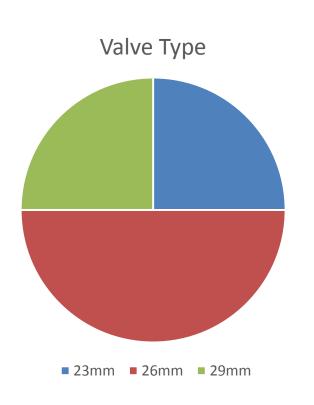
Risk Scores		
STS Score	5.3 ± 2.4	
Logistic EuroSCORE	24.9 ± 14.4	
Euroscore II	8.5±6.1	

#### Mean $\pm$ SD

Medical History		
Coronary Artery Disease	58.3%	
CABG	33.3%	



#### Methods Procedural Information



Valve Deployment Position		
Acceptable – Correct at intended site	100%	
Too ventricular	0.0%	
Too aortic	0.0%	
Conversion to AVR	0.0%	

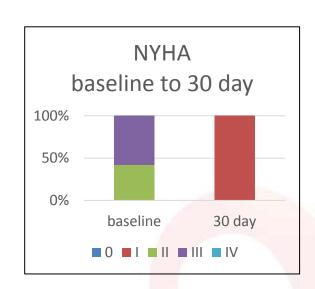
In Hospital mortality

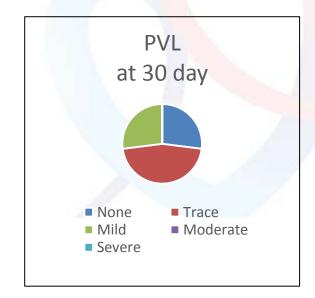
0.0%

## **30 Day Safety Endpoints**

Event	# of Events	% of patients
All-Cause Mortality	1	8.3
All Stroke	0	0
Life-Threatening or Disabling Bleeding	0	0
Acute Kidney Injury - Stage 3	1	8.3
Peri-procedural Myocardial Infarction	0	0
Major Vascular Complication	1	8.3
Pacemaker	1	8.3

One late death related to sepsis and heart failure late after discharge in rural pt





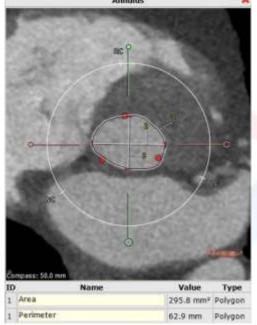
# **Case Example**

Patient Information		
Age	88	
Gender	F	
NYHA Class	2	
Height	160	
Weight	60	
BMI	23.4	

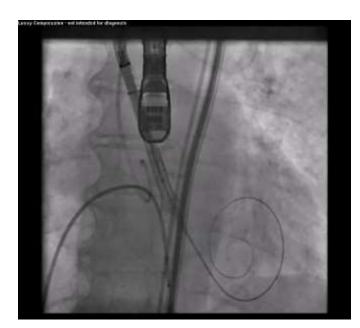
#### **High Risk Justification:**

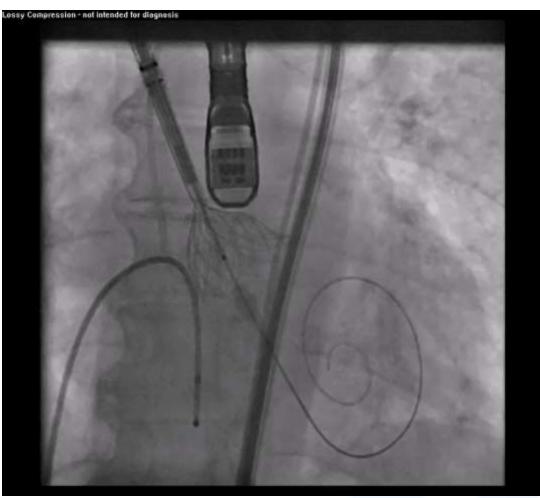
Method	Risk Score
STS 8 ≤ STS Score ≤ 15 France Only: 10 ≤ STS Score ≤ 15	9.1
OR	
EuroSCORE I  15 ≤ EuroSCORE I ≤ 40  France Only: 20 ≤ EuroSCORE I ≤ 40	7.87



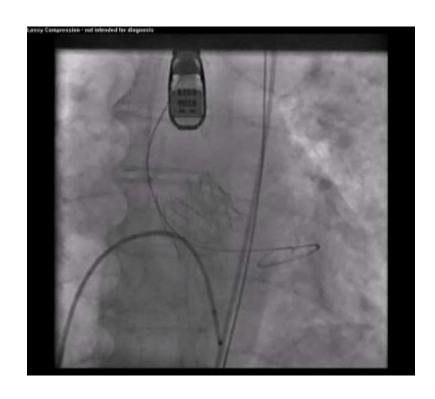


# Case example





# Case example





# **Next Generation CENTERA System**



User-controlled Motorized Handle



Flex Mechanism for Trackability and Coaxial Alignment

- Enhanced delivery system articulation
- 100% repositionability

- Low 14F profile
- Quick device preparation
- Stable and predictable deployment
- ?Single Operator

innovation and collaboration