

# SMT Pipeline Review

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# Existing Product Portfolio



## CORONARY INTERVENTIONS

### Coronary Stents



### Balloon Catheters

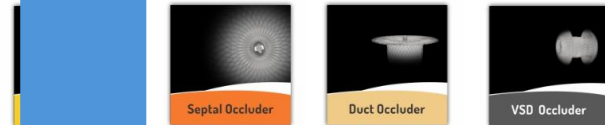


### Accessories



## STRUCTURAL HEART

### Cochoon Occluders



Distributors: Lambre, Ceraconar



### Transcatheter Aortic Valve



## PERIPHERAL INTERVENTION

Drug Coated PTA Balloon



Renal Stent



Market share in Spain  $\approx$  10%

Market share in Spain  $\approx$  12%

# Pipeline Products



## CORONARY INTERVENTIONS

### Coronary Stents

Supraflex Cruz+

### Balloon Catheters

NC Balloon  
(Pipit NC++)

SC Balloon  
(Pipit SC++)

Ultra-High Pressure  
Balloon

Dedicated  
POT Balloon

### Drug-coated balloon

Sirolimus DCB (SiroVida)

## STRUCTURAL HEART

### Transcatheter Aortic Valve

Hydra  
Larger Size

Hydra Intermediate Sizes

Hydra with  
External Skirt

Hydra  
AVDC++

### Balloon Catheters

TAVI Balloon

### Occluders

Cocoon  
Delivery Cable+

3-lobed  
ASD Occluder

LAA Occluder

JoVe Occluders  
VASO & FVASO

JoVe VB stent

## PERIPHERAL INTERVENTION

### Balloon-mounted stent

Iliac stent (Iliyofit)

### Self-expandable stent

SFA stent (Vanoti)

### Balloon Catheters

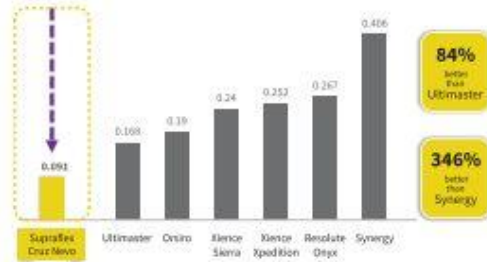
PTA balloons (0.014", 0.018",  
0.035")

### Drug-coated balloon

Sirolimus DCB  
(Siropherics)

Deliverability for the exemplary **Supraflex Cruz** has been upgraded.

Deliverability<sup>1</sup>



Mean force in Newton (N) for stents with 38 to 40 mm in length in a deliverability model

Pushability<sup>2</sup>

Transmitting up to **58% more push force** from hub to tip.

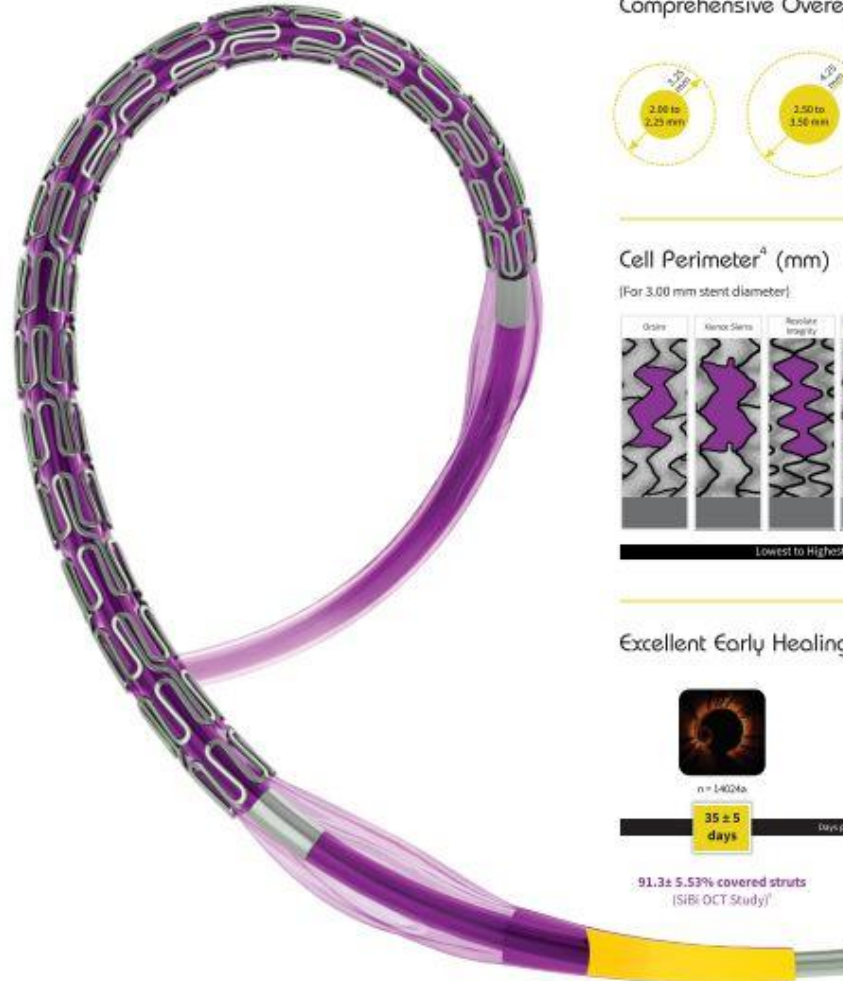


Force received at the tip when 1N push force is applied at the hub

Tip Entry Profile<sup>3</sup> (mm)



Profile in the Crimped State<sup>3</sup> (mm)

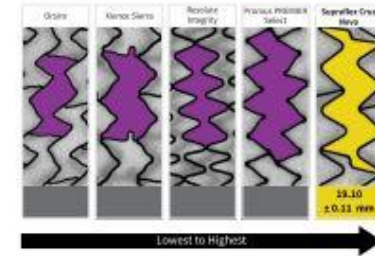


Comprehensive Overexpansion Limits\*



Cell Perimeter<sup>4</sup> (mm)

(For 3.00 mm stent diameter)

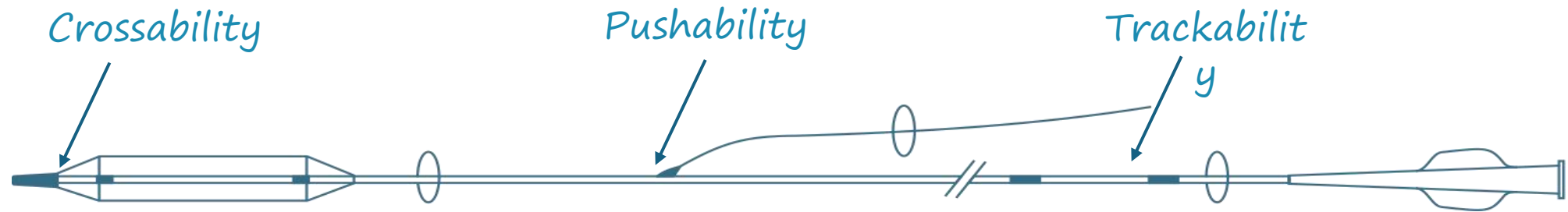


Supraflex Cruz Nevo has the largest cell perimeter 19.10±0.11 mm

Excellent Early Healing Profile



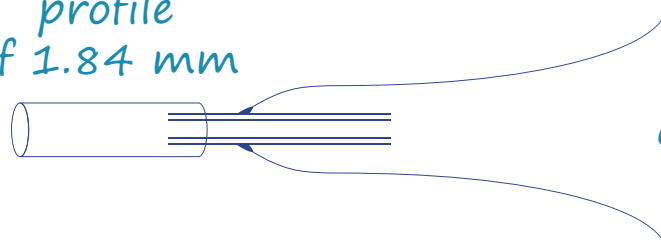
# Re-engineered Pipit SC



Low tip entry profile  
Low crossing profile



Low rewrap profile  
of 1.84 mm



0.47N

Maximum push force transfer at 1N

0.59N

Lowest Peak track force

0.26N

Lowest distal track force

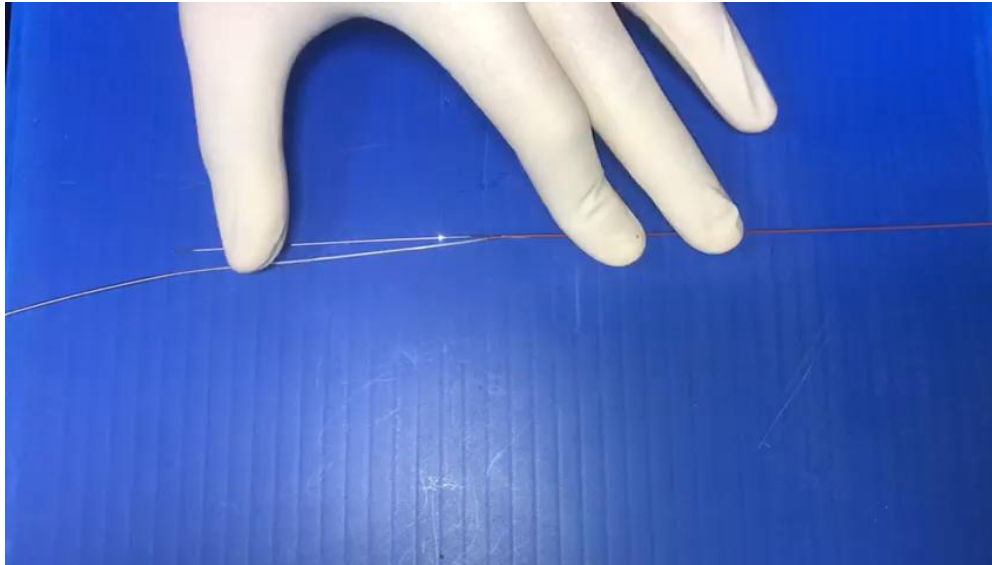
6F KBT\*

\*The re-engineered shaft design allows the use of two Pipit SC balloon catheters up to the size of 3.5 mm

# Re-engineered Pipit NC



Upgraded and



## Optimized Pushability and Trackability:

**Innovative Rx Point** improvements facilitate better engagement with lesions, enhancing the catheter's ability to address even the most intricate vascular conditions.

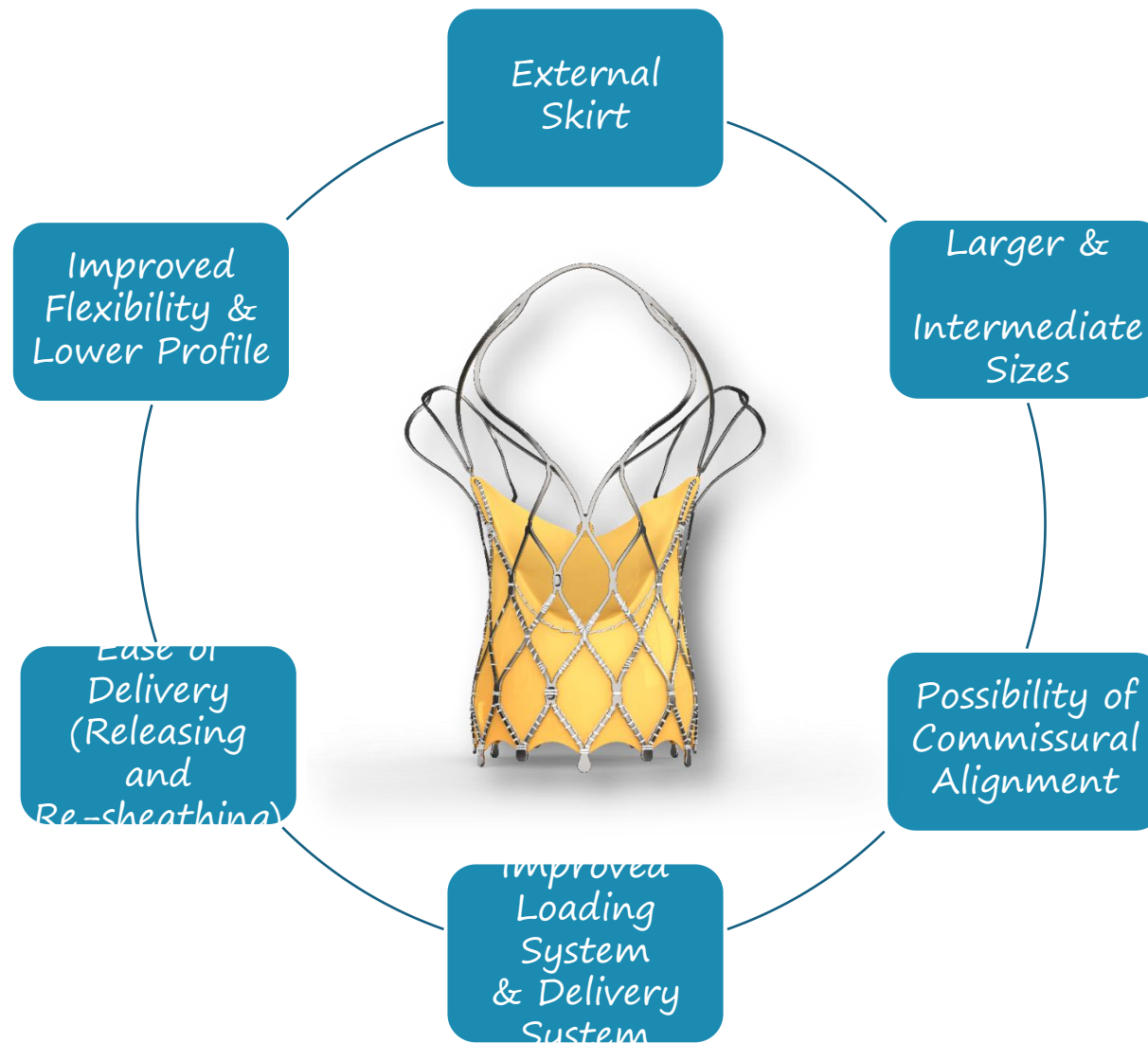
Integration of advanced materials for increased durability and enhanced tensile strength, allowing for safer and more effective dilations.

**Optimized pushability** with **53.25%** of push force transfer from the hub to the tip.

## Enhanced crossability:

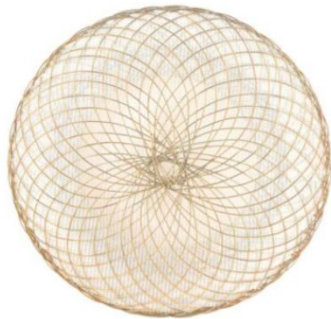
Refined Rx Point design for superior crossability, ensuring ease of crossing challenging lesions with minimal resistance, allowing for a **6F KBT** for sizes up to **3.5 mm diameter**

# Next Generation Hydra TAVR System



Jove Versatile  
Atrial Septal  
Occluder

 Jove  
VASO



Innovation Redefined

Fenestrated Versatile  
Septal Occluder  
Device (FVASO)

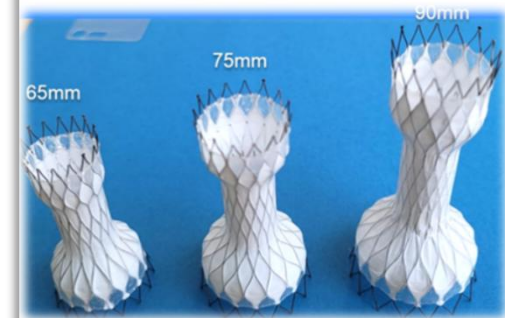
 Jove  
FVASO



Innovation Redefined

Sinus Venosus  
Atrial Septal Device  
(SV ASD Device)

 Jove  
VB Stent



Complexity Simplified

SMT will have the entire product portfolio of HeartX



# Other Products Under Development



*SiroVida:  
Sirolimus DCB  
(PTCA)*

- Preclinical/Pharmacokinetic studies are ongoing

*Siropherics:  
Sirolimus DCB  
(PTA)*

- Preclinical/Pharmacokinetic studies are ongoing

*Ultra-high  
pressure coronary  
balloon*

- Product development ongoing

*Dedicated  
POT balloon*

- Product development ongoing

*TAVI balloon*

- Product development ongoing

*PTA balloons  
(0.014", 0.018", 0.035")*

- Product development ongoing

*Cocoon  
Delivery Cables*

- Flexibility improved
- To be launched soon

*Next gen ASD  
occluder*

- Prototype being developed

*LAA Occluder*

- Prototype being developed

*Iliofit: Balloon-  
expandable Iliac  
Stent*

- Regulatory Approvals awaited

*Vanoti: Self-  
expandable SFA  
Stent*

- Regulatory Approvals awaited

*SMTi30  
inflation device*

- Improved design after initial launch in India
- To be re-launched soon

# Clinical research



- FIRE.
- TALENT
- MULTIVESSEL-TALENT.
- COMPARE 60/80
- MULTIFLEX REPICOS
- MATRIX-2
- TUXEDO-2



- FIM study.
- GENESIS study.
- Hydra CE study.
- GENESIS-II.

- CALAMBRE study.

**ORIGINAL ARTICLE**

### Complete or Culprit-Only PCI in Older Patients with Myocardial Infarction

S. Biscaglia, V. Guiducci, J. Escaned, R. Moreno, V. Lanzilotti, A. Santare E. Cerrato, G. Sacchetta, A. Jurado-Roman, A. Menozzi, I. Amat Santos J.L. Díez Gil, M. Ruozzi, M. Barbierato, L. Fileti, A. Picchi, V. Lodolini, G. Biondi-Zoccai, E. Maietti,\* R. Pavasini, P. Cimaglia, C. Tumscitz, A. Erri C. Penzo, I. Colaiori, G. Pignatelli, G. Casella, G. Iannopollo, M. Menozzi F. Varbella, G. Caretta, D. Dudek, E. Barbato, M. Tebaldi, and G. Campora for the FIRE Trial Investigators†

**ORIGINAL ARTICLE**

### Rationale and design of the TUXEDO-2 India study: Ultra-Thin strUt Supraflex Cruz versus XiencE in a Diabetic pOpulation with multi-vessel disease-2

Uppendra Kaul DM<sup>1</sup>, Pravadreshini Arembam PhD<sup>2</sup>, Santosh Kumar Sinha DM<sup>3</sup>

**ORIGINAL ARTICLE**

### Comparison of Ultrathin- Versus Thin-Strut Stents in Patients With High Bleeding Risk PCI: Results From the COMPARE 60/80 HBR Trial: An Open-Label, Randomized, Controlled Trial

Pieter C. Smits MD, PhD; Pim AL Tonino, MD, PhD; Sjoerd H. Hofma, MD, PhD; Jan-Peter van Kuijk MD, PhD; Fabrizio Spano, MD; Amar Al Mafraqi MD; Ron Pisters, MD; Jawed Polad, MD, PhD; Kris Bogaerts PhD; Rohit M. Oemrawsingh MD, PhD; Valeria Paradies MD

# SMT Pipeline Review

- Include a wide variety of products not only for coronary or peripheral interventions, but also for structural procedures.
- Continuous improvements of the devices.