Boston Scientific
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InTouch Cardiology Newsletter

Issue 2

InTouch
Advanced Collaborative Services

Congresses and Events

Do you want to see the key highlights of Boston Scientific at EuroPCR 2016?

» Presentation of COMET™ pressure wire by Prof. Escaned

» Building the next chapter in Structural Heart - Imaging and Intervention

» Stroke Prophylaxis in AF - When should you consider LAA Closure?

Educational Corner

» European Expert Consensus on Rotational Atherectomy and Infographic

Learning with **Clinical Studies**

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» Tortuous Multivessel Disease Case with COMET™ (Dr. Hill)

Clinical Studies

» SYNERGY™ Stent: Addressing the Full Spectrum of Cardiovascular Disease Complexity

» Physician Experience

» Safety Highlighted with the SYNERGY™ Stent System in the EVOLVE 5-Year and EVOLVE II 2-Year Trial Data

» SYNERGY™ Stent reported lowest rates of ST in real-world SCAAR registry

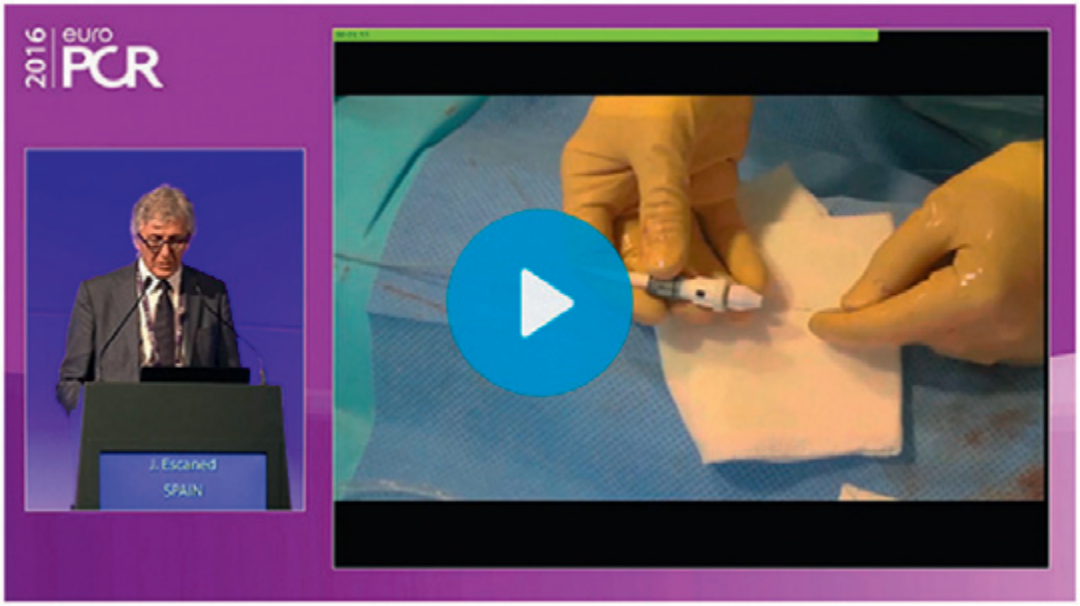
» SYNERGY™ Low Event Rates after Early DAPT Discontinuation in Complex Patients

Click here to visit the website

Congresses and Events

Presentation of COMET™ pressure wire by Prof. Escaned at EuroPCR 2016

COMET™ Pressure Guidewire provides streamlined workflow to facilitate decreased procedure duration so you can make the right decision the first time .
Watch how a mutlivessel case is simplified with the use of physiological interrogation and optimized by IVUS.



Watch how Prof. Escaned simplified the treatment of Complex Multivessel disease with FFR guidance

Developed with Asahi for true workhorse performance.
Tip shapeability and retention, 1:1 torque, and rail support for the entire procedure.

Learn More

Building the next chapter in Structural Heart - Imaging and Intervention.

Scientific Symposium at EuroPCR 2016 (sponsored by Boston Scientific and Siemens)

Chairpersons: B. Prendergast, A. Vahanian

Objectives:

- To understand the benefits of advanced imaging techniques in complex Structural Heart - Imaging & Interventions
- To learn how paravalvular leak can be minimised despite anatomical complexities
- To expand the usage of LAA closure

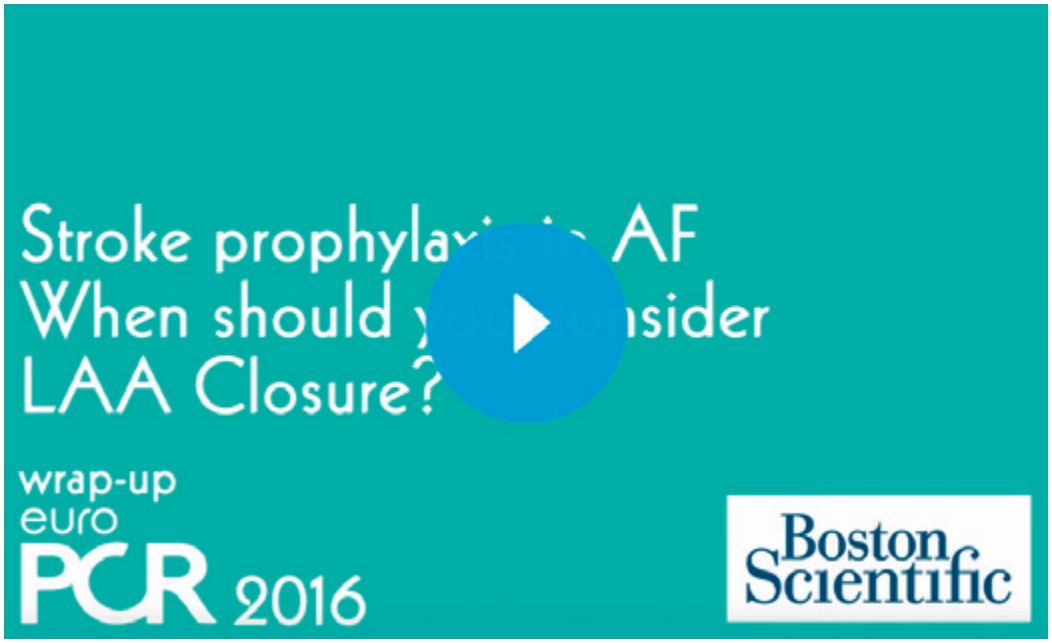
Click here to see the WebCast

Stroke Prophylaxis in AF - When should you consider LAA Closure?

Congress EuroPCR 2016

Join A. Vahanian, D. Foley and M.W.Bergmann to review our current evidence and clinical knowledge concerning LAA closure and stroke.

How do we interpret trials such as PROTECT AF and PREVAIL in terms of mortality and all-cause death? How do we understand the balance between periprocedural risk in the use of LAA closure as a prophylactic procedure? What is the emerging evidence of the recent EWOLUTION registry? And what do we need to do today in order to build on the evidence – and experience – of these last years in order to have an impact on clinical practice? Join us!



Join the Complex PCI community to get regular clinical updates

Educational Corner

European Expert Consensus On Rotational Atherectomy

Emanuele Barbato, MD, PhD; Didier Carrié, MD, PhD; Petros Dardas, MD, PhD; Jean Fajadet, MD; Georg Gaul, MD; Michael Haude, MD; Ahmed Khashaba, MD; Karel Koch, MD, PhD; Markus Meyer-Gessner, MD; Jorge Palazuelos, MD, PhD; Krzysztof Reczuch, MD, PhD; Flavio L. Ribichini, MD; Samin Sharma, MD; Johann Sipötz, MD; Iwar Sjögren, MD; Gabor Suetsch, MD; György Szabó, MD, PhD; Mariano Valdés-Chávarri, MD, PhD; Beatriz Vaquerizo, MD, PhD; William Wijns, MD, PhD; Stephan Windecker, MD, PhD; Adam de Belder, MD

Eurointervention, 2015; 11:30-36. This document is endorsed by the EAPCI.

A group of highly experienced Rotablator operators released the first consensus statement establishing a basis for a standardised protocol for rotational atherectomy (RA). This consensus statement highlights a selection of best practices, based on expert agreement of Rotablator use.

Click here to download this clinical paper

The European Expert Conesensus is also represented via the following infographic.

Click here to download the infographic

Learn from 2 case studies

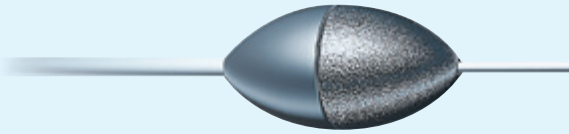
Case Study 1

ROTABLATOR™ IN FIBRO-CALCIFIED LESIONS

Dr. Price
Scripps Clinic & Scripps Green Hospital
La Jolla, California, USA

Key Take-Aways

- Having rotational atherectomy in your tool kit for cases where you do not get adequate pre-dilatation or stent deployment is important
- "In cases with aggressive fibro-calcific plaque, that are even resistant at high pressure dilatation with a non-compliant balloon, rotational atherectomy can be a life-saver" (Dr.Price)



Download the case study

Case Study 2

COMET™: A new, workhorse like Pressure Guidewire to simplify treatment strategy in a tortuous multivessel disease case

Dr. Jonathan Hill
Kings College Hospital
London, UK

Key Take-Aways

This case highlights:

- The need for a highly steerable FFR wire in highly tortuous vessels
- Multiple reconnections are required for complex anatomy and multi vessel disease
- Concomitant use of imaging on multimodality platform to help guide and optimize treatment strategy

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Download the case study

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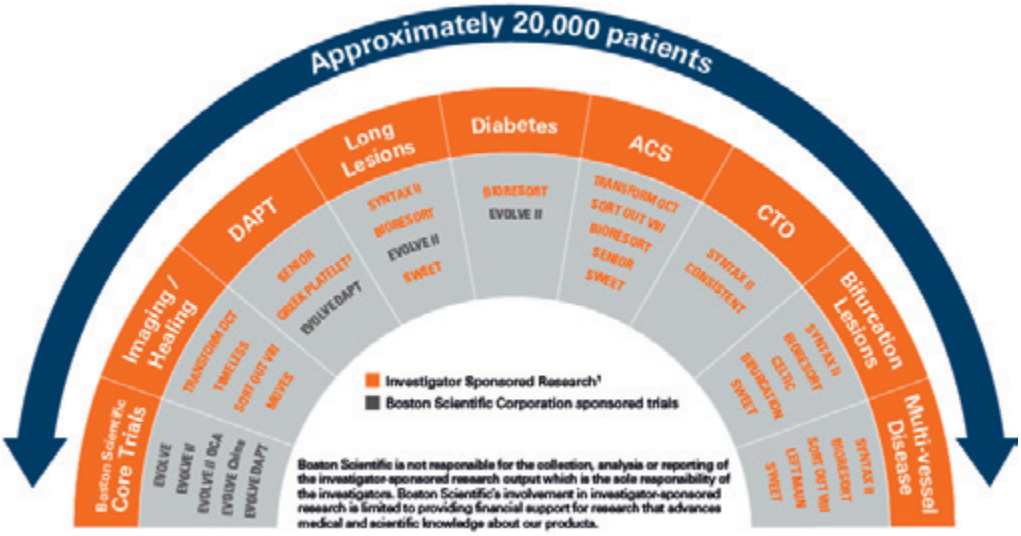
Clinical Studies

SYNERGY™ Stent: Addressing the Full Spectrum of Cardiovascular Disease Complexity

The SYNERGY™ Stent Clinical Program and research is studying approximately 20,000 patients in a wide variety of trials and will explore many types of patient populations. This research is designed to truly reflect the situations that interventional cardiologists experience every day in the cath lab.



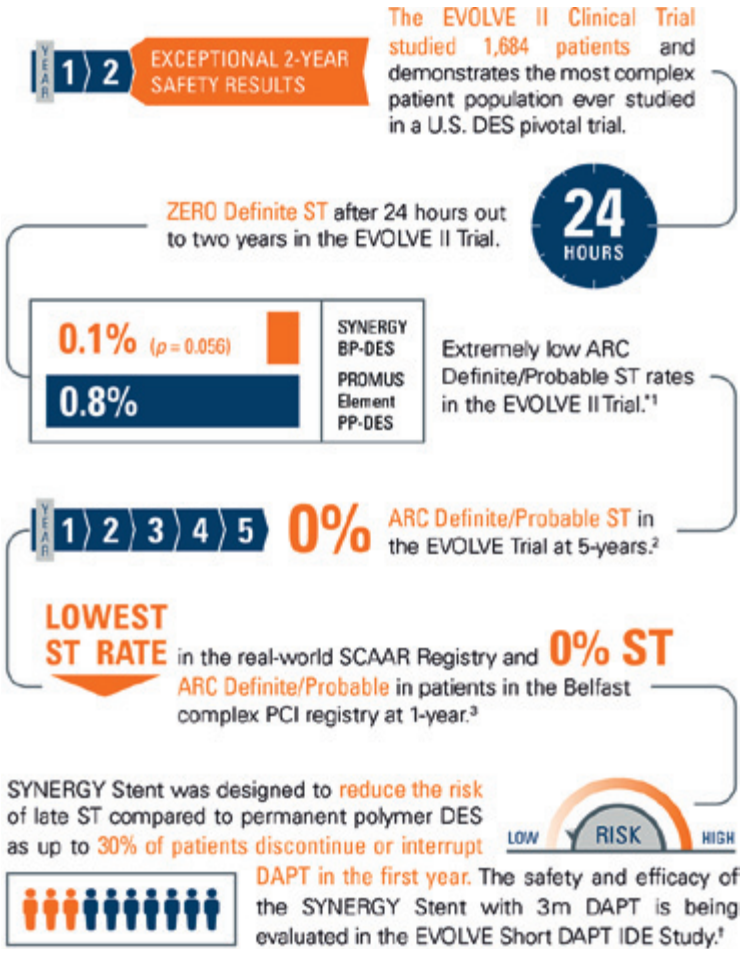
For more information on the Synergy clincal program click here

Physician Experience

Global Chief-Medical-Officer, Dr. Keith Dawkins and U.S. Chief-Medical-Officer, Dr. Craig Thompson, discuss the compelling body of clinical and real-world evidence to support the safety of the SYNERGY Stent.

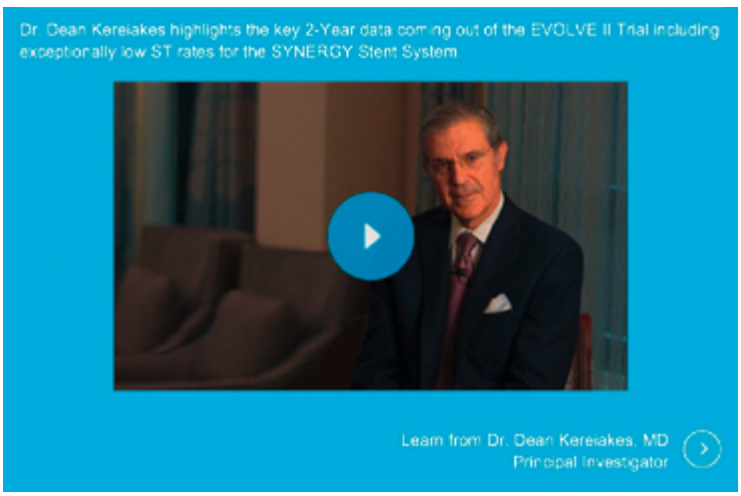
Safety Highlighted with the SYNERGY™ Stent System in the EVOLVE 5-Year and EVOLVE II 2-Year Trial Data

Final 5-Year results of EVOLVE Trial presented at EuroPCR



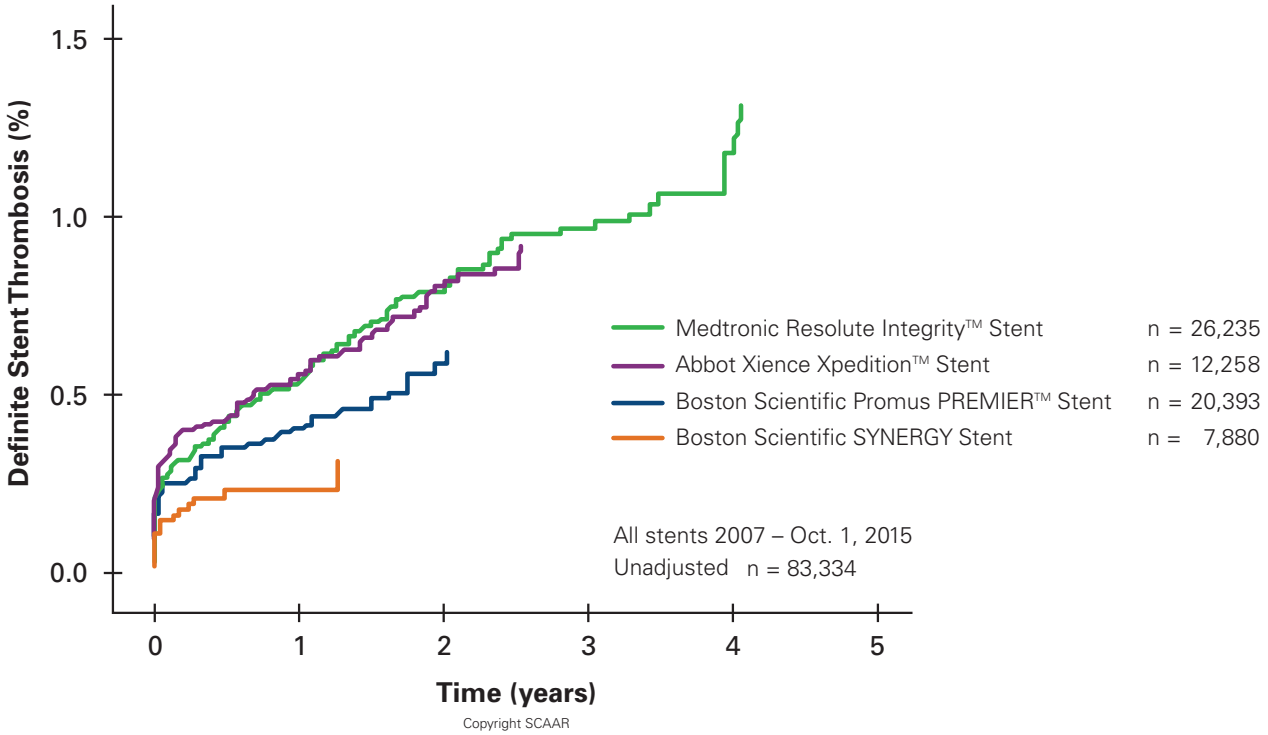
Review EVOLVE Trial 5-Year Results

Final 2-Year Results of EVOLVE II Trial



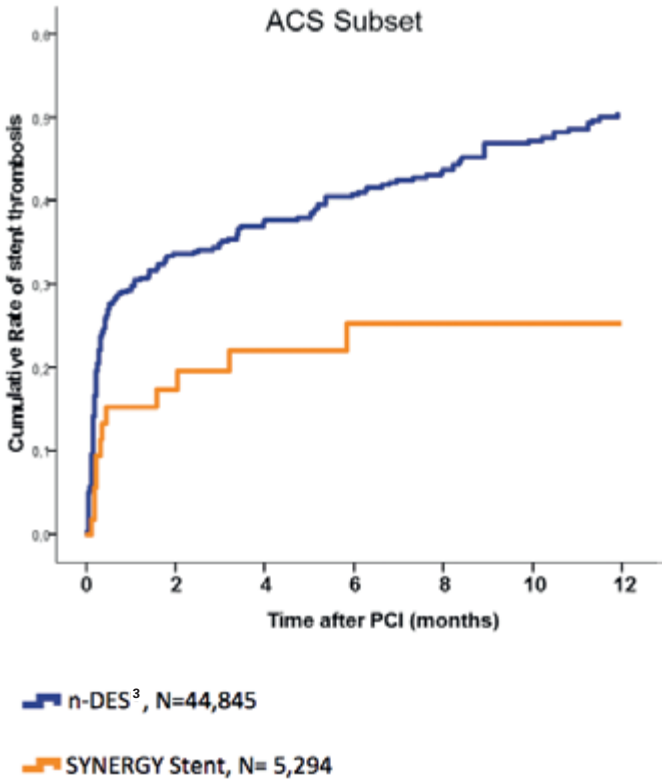
SYNERGY™ Stent reported lowest rates of ST in real-world SCAAR registry[2]

Cumulative risk of stent thrombosis in individual stent types beyond 1-Year



Copyright SCAAR

SYNERGY Stent demonstrated the lowest ST rates in patients with ACS



SYNERGY™ Low Event Rates after Early DAPT Discontinuation in Complex Patients

Low events in real-world analysis[4] (Belfast Study)

All patients who had a PCI with a SYNERGY stent from August 2013 – December 2014 were retrospectively analyzed (multi-center trial cases are not reported).

In a retrospective, single-center analysis of 100 extremely complex patients from Belfast, Ireland, the use of the SYNERGY stent allowed for early discontinuation of DAPT, without an increase in the incidence of stent thrombosis, MI and cardiac death at 12 Months.

Patient/Lesion/Procedure Characteristics

100 patients

- 71 years — *Patient mean age*
- 75.3 mm — *Average stent length*
- 90% — *C-lesions*
- 77% — *Discontinued DAPT at 3-months*

12-Month Clinical Outcomes

78% of cohort

- 0% — *Stent thrombosis, MI and cardiac death*
- 3% — *Target Vessel Revascularization*

The SYNERGY™ Stent's real-world evidence shows positive outcomes in complex groups of patients, and the option to discontinue DAPT if the need arises.

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Disclaimer

1 "The SYNERGY™ stent is an investigational device and not for sale in the US. CE Mark Approved 2012. "Boston Scientific is not responsible for the collection, analysis or reporting of the investigator-sponsored research output which is the sole responsibility of the investigators. Boston Scientific's involvement in investigator-sponsored research is limited to providing financial support for research that advances medical and scientific knowledge about our products. Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device. The SYNERGY™ stent is an investigational device and not for sale in the US."

2 The risk of Stent thrombosis is based on the Kaplan Meier Estimate. For the Ultimaster stent only 9 stent thromboses were reported in 1156 stents. Eight of these in one hospital. "

3 n-DES = Resolute Onyx (n= 6,425), Resolute/Resolute Integrity (n=19,021), XIENCE Xpedition (n=7,971), Promus PREMIER (n=20,414), Promus Element Plus (n=2,543), BioMatrix (n=1,953), Orsiro (n=4,946), Ultimaster (n=1,156)
In this real-world registry of over 83,000 patients, the SYNERGY stent's thin strut design and bioabsorbable polymer coating show a trend of lower definite stent thrombosis compared to the other bioabsorbable polymer and permanent polymer drug-eluting stents.

4 Belfast Study. Adapted from a presentation by Rebecca L. Noad, MD, PhD, MRCP D. Colm G. Hanratty, MD, Simon J. Walsh, MD at TCT 2015.