OPTIMAL TREATMENT WORKFLOW
LONG CALCIFIED LESION

OPERATORS

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SITE

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PATIENT CHARACTERISTICS

- 70 year-old male
- Arterial hypertension, dyslipidemia, diabetes mellitus and COPD
- Atypical chest pain
- Diagnosis: angiography shows long calcified disease in proximal and LAD

PRECISION PCI PLAN WITH FULL PHYSIOLOGY AND IMAGING GUIDED PCI

FFR Pre-PCI functional evaluation

Ascertainment of lesion significance.
Severity of ischemia.

OCT Pre-PCI imaging evaluation

(Ultreon™ 1.0 Software)

Plaque characterization.
Selection of landing zones and stent length.
Assessment of vessel diameter.

OCT Post-PCI imaging evaluation

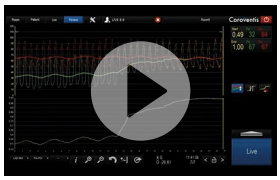
Stent expansion, apposition, and necessity of further optimization. Evaluation of stent edges for dissection and residual stenosis.

FFR + Pullback Post-PCI functional evaluation

Functional result of PCI. Assessing residual focal pressure losses requiring additional treatment.
Prognostic stratification.

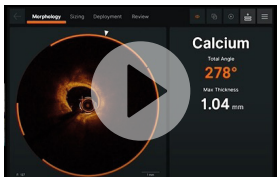
PROCEDURE

Pre-PCI Functional Assessment



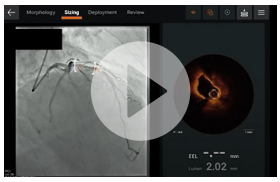
Pressure measurement of the LAD:
FFR pullback identified mid-segment focal functional disease and some proximal diffuse disease.

OCT Assessment



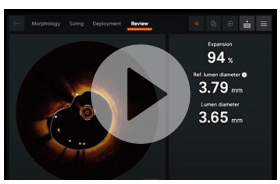
Pre-PCI assessment with Ultreon™ 1.0 Software co-registration: after rotational atherectomy performed, the MLD-MAX algorithm is used to assess vessel morphology and plan lesion preparation and stent sizing.

Stent Deployment



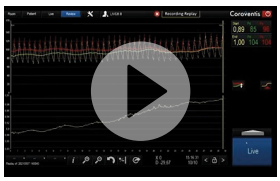
Two stent strategy deployed in the LAD:
first stent (XIENCE™ 3.0x48mm) landed exactly where the co-registration indicated the landing zone, and second stent size was implanted (XIENCE™ 3.5x28mm) to cover the proximal LAD.

PCI Optimization



Post-PCI OCT assessment using the MLD-MAX algorithm to check for medial dissection, expansion and malapposition of the stent struts.

Post-PCI Functional Assessment

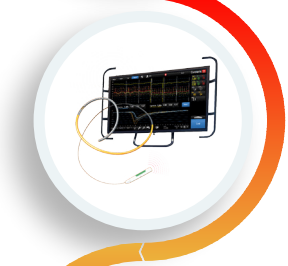


FFR pullback to assess final pressure tracing over LAD Post-PCI.

ABBOTT PORTFOLIO FOR OPTIMAL TREATMENT WORKFLOW

CORONARY GUIDE WIRES can be relied on to handle a wide variety of everyday needs and provide you with a solution for simple to complex and challenging cases.

WEBSITE PRODUCT MATERIAL



The COROFLOW‡ CARDIOVASCULAR SYSTEM is capable of calculating and displaying hemodynamic measurements in both epicardial vessels and coronary microvasculature.

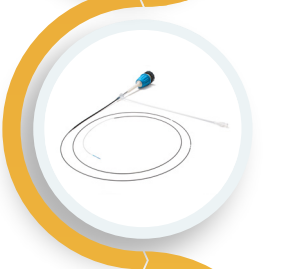
WEBSITE PRODUCT MATERIAL

The innovative PRESSUREWIRE™ X GUIDEWIRE – the world's only wireless physiology wire – can measure pressure and temperature to calculate Abbott's Resting Full-Cycle Ratio (RFR), Fractional Flow Reserve (FFR), Index of Microvascular Resistance (IMR), and Coronary Flow Reserve (CFR).

WEBSITE PRODUCT MATERIAL

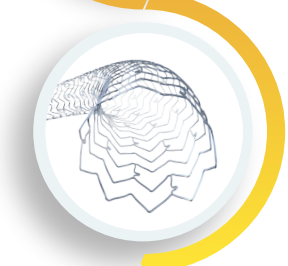
The ULTREON™ 1.0 SOFTWARE with an intuitive interface offers physicians a user-friendly on-screen information and step-by-step guidance following MLD MAX WORKFLOW to aid with decision-making to determine a proper treatment strategy pre-PCI and to ensure optimal stent expansion results post-PCI.

ULTREON™ WEBSITE MLD MAX WEBSITE PRODUCT MATERIAL



DRAGONFLY OPSTAR™ IMAGING CATHETER is a new generation of Abbott's Dragonfly™ Catheters used for intravascular imaging with Optical Coherence Tomography (OCT).

WEBSITE PRODUCT MATERIAL



XIENCE™ DRUG ELUTING STENT SYSTEM is uniquely designed for exceptional performance and to treat tapered lesions in small or large vessels using a single stent.

WEBSITE PRODUCT MATERIAL

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Check the regulatory status of the device in areas where CE marking is not the regulation in force.

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