

# XXI Congreso Nacional CACI

**1° Curso Internacional CACI - SCAI**

**Mar del Plata** 1-4 diciembre 2011

Hotel Costa Galana

Dr. León Valdivieso

Proctor en Intervenciones Periféricas



# Medtronic

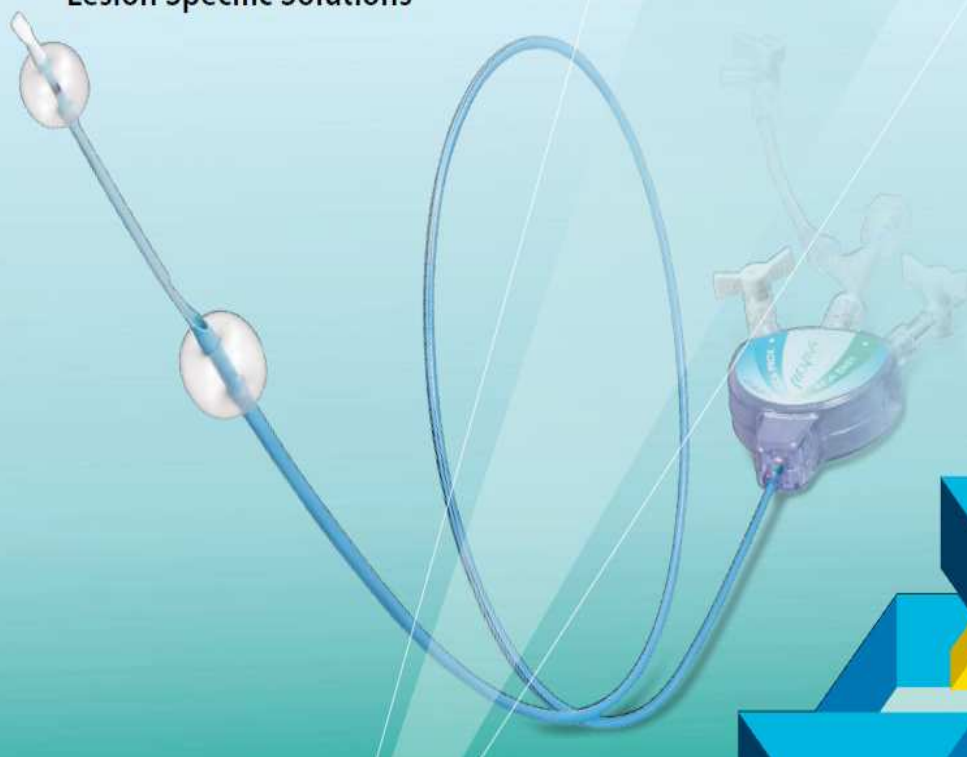


# Mo.Ma Ultra

PROXIMAL CEREBRAL PROTECTION DEVICE

## Full-Time Protection and Control

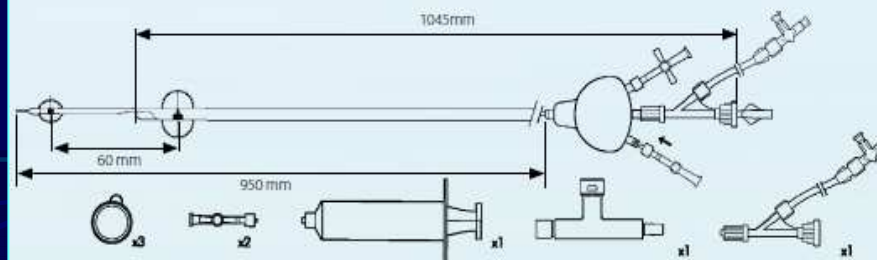
Lesion Specific Solutions



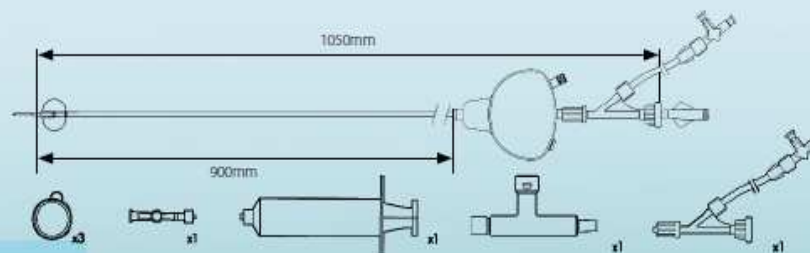
Balloon material	Compliant elastomeric rubber
Balloon marker distance	6cm*
Distal shaft profile	5F*
Recommended guidewire	0.035* (0.89mm)
Balloon occlusion range	Up to 13mm (CCA prox. balloon) Up to 6mm* (ECA dist. balloon)

*\* (Double-Balloon only)*

Ref. N° Double-Balloon	Minimum sheath size	Inner Ø of the working channel
MOM0130068X5	8F	0.069" / 1.76mm
MOM0130069X6	9F	0.083" / 2.12mm



Ref. N° Mono-Balloon	Minimum sheath size	Inner Ø of the working channel
MOM0130008X5	8F	0.069" / 1.76mm



### Stent platform

Stent design	Multisegment design
Stent construction	Slotted tube, laser cut
Stent material	Nitinol
Wall thickness	0.16mm

### Delivery system

Usable shaft length	135cm
Recommended guidewire	0.014*
Introducer sheath compatibility	5F
Rapid exchange section length	25cm

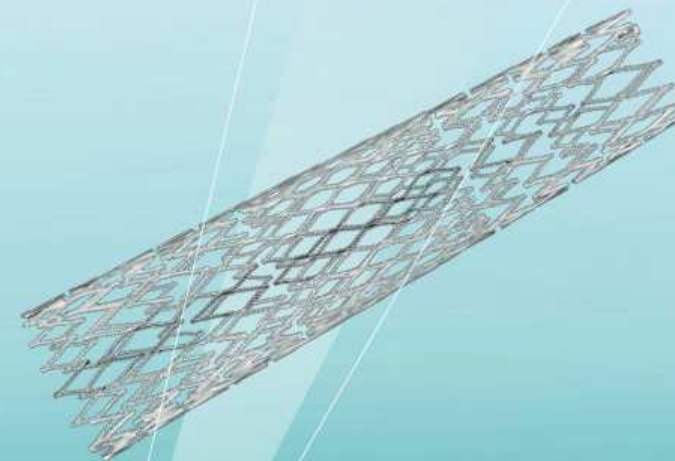


# Cristallo Ideale

CAROTID SELF-EXPANDING HYBRID STENT SYSTEM

## The 5F HYBRID Stent Deliverable and Secure

Lesion Specific Solutions



	Ref. N°	Stent Ø (mm)	Stent length (mm)	Target vessel Ø (mm)
Tapered	CRI T69 030 000	6.0/9.0	30	4.5 - 8.0
	CRI T69 040 000	6.0/9.0	40	4.5 - 8.0
	CRI T71 030 000	7.0/10.0	30	5.0 - 9.0
	CRI T71 040 000	7.0/10.0	40	5.0 - 9.0
Cylindrical	CRI C07 020 000	7.00	20	5.0 - 6.5
	CRI C07 030 000	7.00	30	5.0 - 6.5
	CRI C09 030 000	9.00	30	6.5 - 8.0
	CRI C09 040 000	9.00	40	6.5 - 8.0
	CRI C11 030 000	11.00	30	8.0 - 10.0
	CRI C11 040 000	11.00	40	8.0 - 10.0

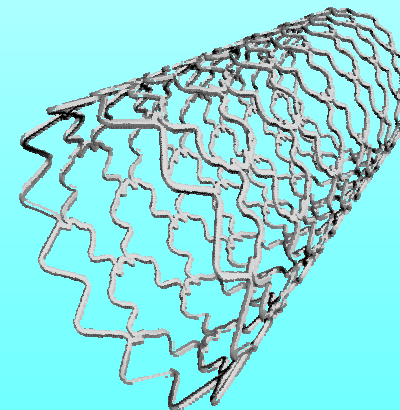


**Medtronic**

# Hippocampus

RENAL STENT SYSTEM RX 0.014"

- Stent design: Closed cell, slotted tube
- Range of diameter: Ø 4.0, 5.0, 5.5, 6.0, 6.5, 7.0 mm
- Maximum expansion: 7.5 mm
- Range of length: 10, 15, 20, 24 mm
- Stent material: Stainless steel
- Strut thickness: 165 µm
- Strut width: 110 µm
- Metal to Artery Ratio: 16% @ Ø 6 mm



# Admiral Xtreme

PTA BALLOON CATHETER OTW 0.035"

## Let the Admiral lead the way

Featuring the first 300mm 0.035" PTA Balloon

- Long PTA Balloons may reduce dilatations and shorten your procedural and fluoroscopy times
  - The benefit of one 300mm single inflation vs. three 120mm sequential balloon inflations
- Excellent dual lumen design provides pushability
- Large inflation lumen for rapid inflation/deflation
- Flexitec™ Xtreme advanced balloon provides low compliance while maintaining flexibility, strength, and durability
- Wide range of balloon lengths (from 20–300mm) and diameters (from 3.0–12.0mm)

# Pacific Xtreme

PTA BALLOON CATHETER OTW 0.018"

## Covering your needs for Fem-Pop interventions

Extreme RBPs up to 25 atm for resistive lesions

- Balanced deliverability and extreme RBPs
- Shaft material enables strong pushability and kink resistance, combined with excellent flexibility
  - Low Crossing Profile
  - Superb trackability
  - Extreme rated burst pressures
- 6-folded balloon allows for low crossing profile, re-wrap and safe retrieval even after multiple inflations\*
- Low profile 4F introducer sheath compatibility for less possible puncture trauma\*\*
  - Tapered tip profile for successful lesion crossing
- Hydrophilic Bikini-coating to prevent balloon slipping during inflation and facilitate re-crossability\*\*\*
- FLEXITEC™ Xtreme balloon material provides improved flexibility while maintaining high RBPs
- Wide range of balloon lengths (from 20–150mm) and diameters (from 20.0–7.0mm)



# PTA Balloon Catheters

LESION SPECIFIC SOLUTIONS

**Amphirion Deep**  
PTA Balloon Catheter  
OTW + RX 0.014"

**Pacific Xtreme**  
PTA Balloon Catheter  
OTW 0.018"

**Admiral Xtreme**  
PTA Balloon Catheter  
OTW 0.035"

**Reef HP**  
PTA Balloon Catheter  
OTW 0.033"

WELCOME TO  
**PERIPHERAL  
POWER**

TO INNOVATE

TO COLLABORATE

TO TREAT

Innovating for life.

# Reef HP

PTA BALLOON CATHETER OTW 0.035"

## Control under pressure

High pressure strength and performance designed specifically for your high pressure procedures

- Flexitec™ XF Xtra Force utilizes Advanced Balloon Polymer Technology to deliver up to 22 atm for controlled high pressure procedures
  - High Pressure strength, with controlled low-compliance, enables dilatation of resistive lesions
- Low Profile Tip and Balloon design enables controlled crossability
  - 5F compatible allows small access site (up to 6mm diameter)
  - 6-folding balloon technology provides consistent low profile crossability and re-wrap\*
- 5F Dual Lumen shaft for controlled pushability and kink resistance
- Wide range of balloon lengths (from 20–80mm) and diameters (from 4.0–8.0mm)

# Amphirion Deep

PTA BALLOON CATHETER OTW + RX 0.014"

## The dedicated Below the Knee PTA catheter

Designed to reach, access, and treat challenging vasculature from infrapopliteal to pedal arteries

- Anatomically-designed 210mm long tapered balloon provides more precise balloon-to-vessel conformability in both diameter and length—for treating long diffuse lesions
- 4F compatible, differentiated shaft diameter design optimizes pushability and trackability
- Extremely low crossing profile enables crossability and access to small, distal arteries
- The proprietary Flexitec™ Ultra low compliance balloon polymer consistently delivers flexibility and conformability for challenging anatomy
- LFC hydrophilic coating on the distal segment of the catheter and balloon enhances deliverability
- Infrapopliteal-designed balloon lengths (from 20–210mm) and diameters (from 1.5–4.0mm)

# IN.PACT Amphirion

PACLITAXEL-ELUTING PTA BALLOON CATHETER 0.014"

## Technical specifications

Balloon length	40, 80, 120mm
Balloon diameter	2.00–4.00mm
Catheter design	Over the Wire (OTW)
Balloon material	Flexitec Ultra
Usable shaft length	120cm and 150cm
Shaft diameter	proximal 3.3F/3.9F for 120/150 cm shaft length middle 3.3F distal 2.8F
Introducer sheath compatibility	4F

# IN.PACT Pacific

PACLITAXEL-ELUTING PTA BALLOON CATHETER 0.018"

## Technical specifications

Balloon length	40, 60, 80, 120mm
Balloon diameter	4.00–7.00mm
Catheter design	Over the Wire (OTW)
Balloon material	Flexitec Xtreme
Usable shaft length	90cm and 130cm
Shaft diameter	3.9F
Introducer sheath compatibility	5F - 6F

# IN.PACT Admiral

PACLITAXEL-ELUTING PTA BALLOON CATHETER 0.035"

## Technical specifications

Balloon length	40, 60, 80, 120mm
Balloon diameter	4.00–7.00mm
Catheter design	Over the Wire (OTW)
Balloon material	Flexitec Xtreme
Usable shaft length	80cm and 130cm
Shaft diameter	5F
Introducer sheath compatibility	5F - 6F



# Drug Eluting Balloons

LESION SPECIFIC SOLUTIONS FOR SFA, POPLITEAL AND BTK TREATMENT

**IN.PACT Admiral**  
Paclitaxel-Eluting  
PTA Balloon Catheter 0.035"

**IN.PACT Pacific**  
Paclitaxel-Eluting  
PTA Balloon Catheter 0.018"

**IN.PACT Amphirion**  
Paclitaxel-Eluting  
PTA Balloon Catheter 0.014"

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WELCOME TO  
**PERIPHERAL  
POWER**

TO INNOVATE

TO COLLABORATE

TO TREAT

Innovating for life.

**En proceso de evaluación de registro por el ANMAT (TM)**

# Maris Plus

PERIPHERAL SELF-EXPANDING STENT SYSTEM 0.035"



## Tailor Your Stent to the Lesion

Exclusive overlap region

### The Maris Plus "overlap region"

- Keeps radial force constant
- Keeps flexibility constant in the stented segment

### Maris Plus NiTi stent

- Keeps the radial force nearly constant in the overlap zone
- Conventional NiTi stents may lead to increased radial force in the overlap zone

### Tailored lengths

- Exclusive overlap region allows two stents to act like one
- Broad line of length combinations cover 30 to 290 mm

### Tailored conformability

- Dedicated geometries for SFA and Iliac

### Tailored flexibility

- Flexible tip design for device tracking
- Highly flexible stent design
- Tested fracture resistance

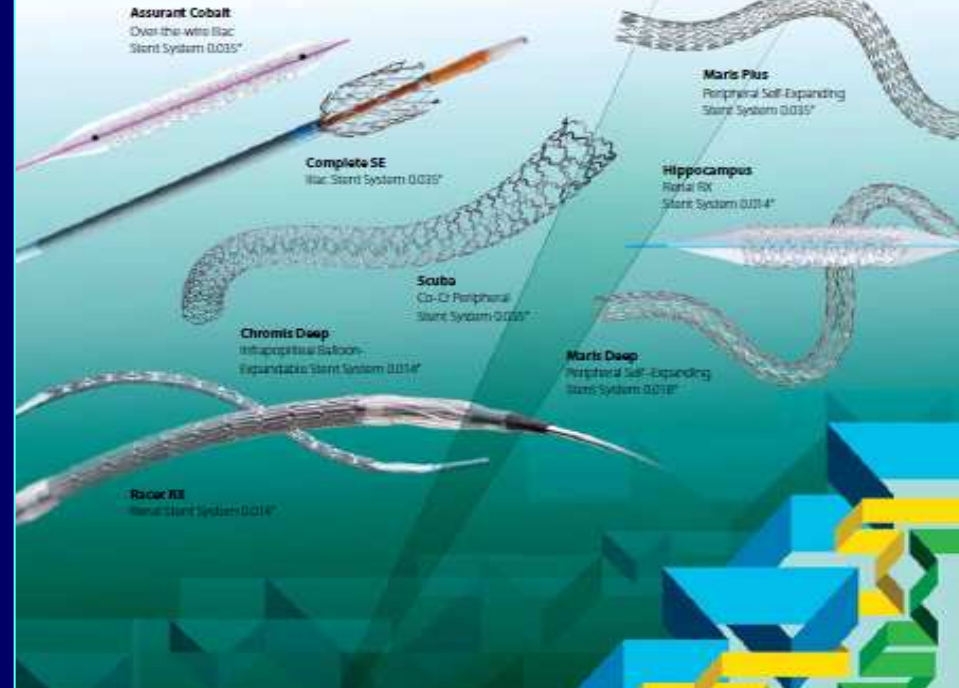
### Tailored deployment

- New generation delivery system
- Radiopaque tip
- Excellent marker visibility

In stent delivery system diameters of 6–12mm and lengths of 30–150mm



# Peripheral Stent Systems



**Assurant Cobalt**  
Over-the-wire Iliac Stent System 0.035"

**Maris Plus**  
Peripheral Self-Expanding Stent System 0.035"

**Complete SE**  
Iliac Stent System 0.035"

**Hippocampus**  
Radial FX Stent System 0.014"

**Scuba**  
Co-Cr Peripheral Stent System 0.035"

**Chromis Deep**  
Infrapopliteal Balloon-Expandable Stent System 0.014"

**Maris Deep**  
Peripheral Self-Expanding Stent System 0.018"

**Racor RX**  
Iliac Stent System 0.014"

# Complete SE

ILIAC STENT SYSTEM 0.035"



## Deployment and Accuracy Made Easy

The flexible Complete SE vascular stent deploys smoothly, easily and accurately—minimising any unexpected jumping.

### Unique dual-deployment mechanism is intuitive, easy to use and gives you precise control during deployment.

- Precise, controlled stent release
- Minimal unexpected jumping during deployment
- Excellent stent flexibility
- Minimal foreshortening
- 6F sheath compatibility

### Accurate deployment

- The system's triaxial design includes an inner shaft, a retractable sheath and a stabilising sheath.

### Optimised stent design

- Alternating connection pattern and offset crowns
- Three distinct crown configurations across the stent sizes
- Minimizes crown-to-crown interaction and maintain a consistent stent-to-artery ratio across stent diameters
- Provides exceptional conformability and kink resistance.

In stent delivery system diameters of 4–10mm and lengths of 20–150mm

# Chromis Deep

INFRAPOPLITEAL BALLOON-EXPANDABLE STENT SYSTEM 0.014"



## Dedicated Infrapopliteal Co-Cr Stent

Providing a solution for below-the-knee treatment

**Diameter specific design stent platform up to 76mm length**  
For adequate radial force from small to larger vessels

### Low 4F profile and flexible delivery system

- With 0.014" guidewire compatibility for consistent crossability and deliverability

### Conformable balloon material - Flexitec™ Ultra

- Advanced balloon technologies for balloon-like deliverability

Available in diameters of 2–4mm and lengths of 10–76mm

# Scuba

CO-CR PERIPHERAL STENT SYSTEM 0.035"



## Flexibility and Strength

### Innovative stent design

- Thin Co-Cr struts and unique design provide superior device flexibility
- Minimal shortening grants precise stent positioning
- Closed cell design for tight scaffolding and appropriate radial strength in iliac lesions

### Reliable carrier balloon platform

- High performance balloon material Flexitec™ Xtreme provides flexibility, scratch resistance and high pressure deployment
- 6-fold balloon for homogenous stent deployment and safe retrieval of the delivery system

In stent delivery diameters of 5–10mm and lengths of 18–75mm

# Assurant Cobalt

OVER-THE-WIRE ILIAC STENT SYSTEM 0.035"



## Exclusive Modular Design Provides Greater Conformability

### Cobalt chromium modular design

- Provides excellent conformability compared with laser-cut stents—without sacrificing radial strength.\*

### Advanced cobalt chromium alloy

- Is used to create individual rings that are then formed into sinusoidal elements.

### Customised fusion patterns

- Specially designed to provide an optimal balance of strength and conformability

### Electropolished

- To create a smooth, edgeless finish

### Secure Technology patented stent retention system

- Features distal and proximal pillows that offer added security during delivery.

### Excellent conformability without sacrificing radial strength

- Modular design allows for superior conformability compared with the Cordis Palmaz Genesis stent and the Boston Scientific Express LD stent

In stent delivery system diameters of 6–10mm and lengths of 20–60mm

# Maris Deep

PERIPHERAL SELF-EXPANDING STENT SYSTEM 0.018"



## Go Deep with our Smallest Self-Expanding Stent System

Balanced flexibility and radial force

### 3.7F profile balanced with fully braided

- Over-the-wire delivery system
- Easily reach target vessels, even down to the plantar level

### Real 4F introducer sheath compatibility (3.7F outer shaft Ø)

- For minimally invasive treatment and sufficient contrast injection space

### Two fully integrated stent markers

- For accurate positioning and reduced mechanical interference with the vessel wall

### Dedicated highly flexible stent platform

- Up to 80mm length in all diameters
- Excellent conformability to cover your limb salvage treatment needs

Available in diameters of 3–6mm and lengths of 20–80mm



**Medtronic**

*Gracias por su atención*



Fundación Favaloro