

OPN NC

Ultra High Pressure Plaque Modification Device

POWER MEETS PRECISION

A Swiss Technology that shall redefine the strategies of Plaque modification in Calcified Lesions

Raise the Bar with OPN NC

Low Lesion Entry Profile

Lesion Entry Profile of CPN NC is 0.016" comparable to Standard Dilation Catheters.

Lesion Entry Profile measured at the centre of the 4mm tip.

Low Balloon Profile

Crossing Profile of 0.026" despite of Dual Layer comparable to conventional Dilation Catheters

Double Layer for Double Power

Unique Balloon in Balloon technology to withstand high pressure.

Increase Tensile Strength

Uniform Expansion

Folding Technology

Dual folding in Small Vessel Diameters

Trifolding in Mid Vessel Diameters

Markers

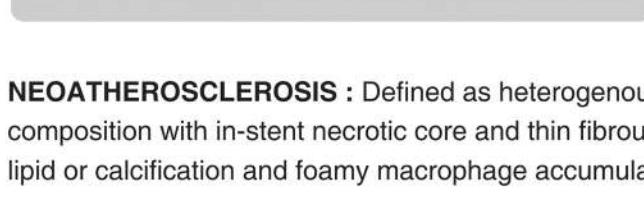
Dual Platinum markers for optimal placement

1.5mm also has Dual Markers

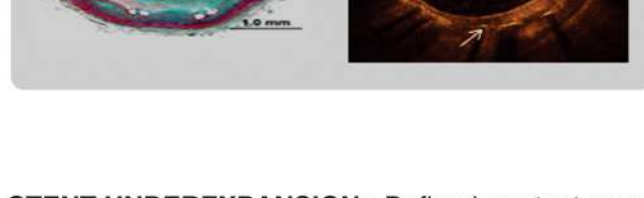
OPN-NC: Expanding Your Options of Treating DES-ISR

ISR MECHANISM

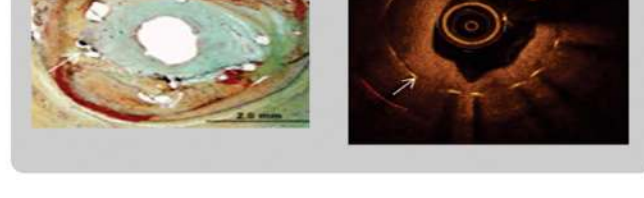
NEOINTIMAL HYPERPLASIA : Defined as Homogenous, Fibrous Bright with uniform layer



NEOATHEROSCLEROSIS : Defined as heterogenous composition with in-stent necrotic core and thin fibrous cap, lipid or calcification and foamy macrophage accumulation



STENT UNDEREXPANSION : Defined as stent area significantly smaller than vessel area because of calcification



TREATMENT OPTIONS

BALLOON ANGIOPLASTY

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DES

ULTRA HIGH PRESSURE PLAQUE MODIFICATION DEVICE (OPN NC) CUTTING/SCORING BALLOON

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SHOCKWAVE IVL

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DES

ULTRA HIGH PRESSURE PLAQUE MODIFICATION DEVICE (OPN NC)

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SHOCKWAVE IVL

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DES

Shlofmitz et al; Restenosis of Drug-Eluting Stents Circ Cardiovasc Interv. 2019;12:e007023. DOI: 10.1161/CIRCINTERVENTIONS.118.007023

Pathways for Balloon Undilatable Lesions

ASSESSMENT OF CALCIUM CHARACTERISTICS AND MORPHOLOGY

DEEP CALCIUM

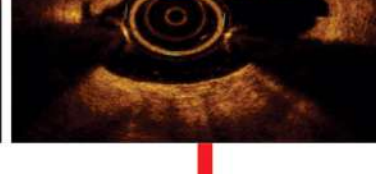


Ultra High Pressure Plaque Modification Device (OPN NC) Shockwave IVL

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STENT

CALCIFIED NOUDLE



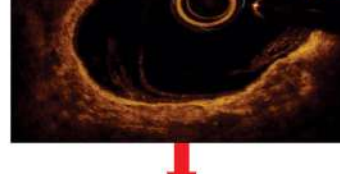
Rotablation

Ultra High Pressure Plaque Modification Device (OPN NC) Shockwave IVL

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STENT

SUPERFICIAL CALCIUM



Mild to Moderate

Balloon Crossable

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Ultra High Pressure Plaque Modification Device (OPN NC) Shockwave IVL

↓

STENT

Moderate to Severe

Balloon Uncrossable

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Rotablation

↓

Ultra High Pressure Plaque Modification Device (OPN NC) Shockwave IVL

↓

STENT

Evan Shlofmitz radiolifecardiology.com/journals/editions/usco-volume-14-2020

Ultra High Pressure For Extra-ordinary Performance

Highest Working Range and Limit:

-OPN NC Utilizes Ultra High Pressures to cause calcium fracture

-OPN NC pushes calcium to the vessel wall for acute gain

-The Average Burst pressure of OPN NC is tested at a high of 45 bar for facilitating Plaque Modification in resistant "Undilatable" coronary lesions

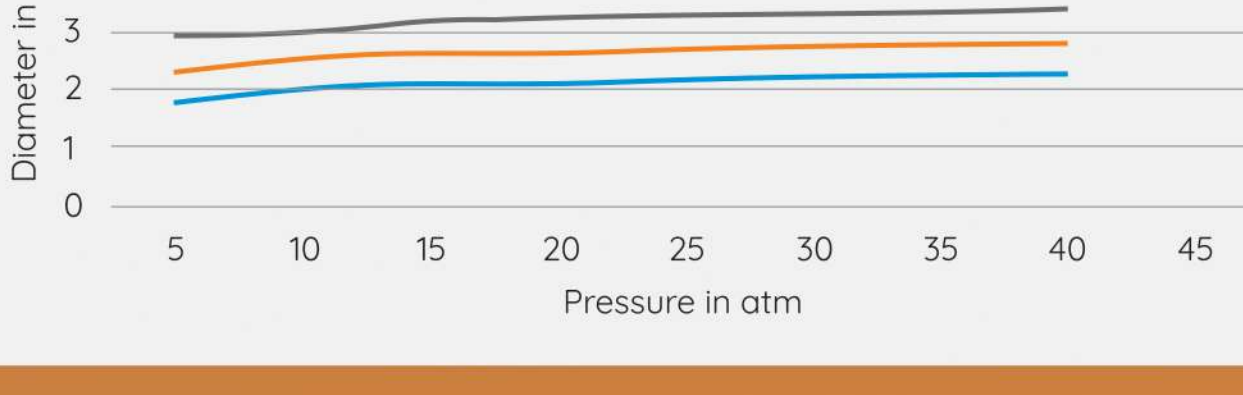
Linear Compliance and Uniform Expansion:

-OPN NC grows less than 10% until the Rated Burst Pressure of 35 bars

-OPN NC has a uniform expansion at pressures of 45 bars as well, with no dog boning seen.

-OPN NC causes minimal perforations and no edge dissections

OPN NC Compliance Chart



Ordering Matrix

Article #	Balloon (Dia)	Length	RBP	Min. Guiding
150-010-004	1.5 mm	10 mm	35 atm	6F
150-015-004	1.5 mm	15 mm	35 atm	6F
150-020-004	1.5 mm	20 mm	35 atm	6F
200-010-004	2.0 mm	10 mm	35 atm	6F
200-015-004	2.0 mm	15 mm	35 atm	6F
200-020-004	2.0 mm	20 mm	35 atm	6F
250-010-004	2.5 mm	10 mm	35 atm	6F
250-015-004	2.5 mm	15 mm	35 atm	6F
250-020-004	2.5 mm	20 mm	35 atm	6F
300-010-004	3.0 mm	10 mm	35 atm	6F
300-015-004	3.0 mm	15 mm	35 atm	6F
300-020-004	3.0 mm	20 mm	35 atm	6F
350-010-004	3.5 mm	10 mm	35 atm	6F
350-015-004	3.5 mm	15 mm	35 atm	6F
350-020-004	3.5 mm	20 mm	35 atm	6F
400-010-004	4.0 mm	10 mm	35 atm	7F
400-015-004	4.0 mm	15 mm	35 atm	7F
400-020-004	4.0 mm	20 mm	35 atm	7F
450-010-004	4.5 mm	10 mm	35 atm	7F
450-015-004	4.5 mm	15 mm	35 atm	7F
450-020-004	4.5 mm	20 mm	35 atm	7F

	OPN-ID 55 atm Inflation Device
Description	For super high pressure PTCA up to 55 atm
Ordering Information (REF)	96463

SIS MEDICAL
Swiss | Interventional | Systems

Manufactured by:
Hungerbuelstrasse 12a
CH-8500 Frauenfeld
Switzerland

translumina
LIMITLESS POSSIBILITIES

Marketed by:
Translumina Therapeutics LLP
Ground Floor, Metro Tower,
Local Shopping Complex,
MOR Land, New Rajender Nagar,
New Delhi - 110060 India