

DYNAMX™

CORONARY BIOADAPTOR SYSTEM



Elixir
MEDICAL CORPORATION
INNOVATION FOR LIFE®

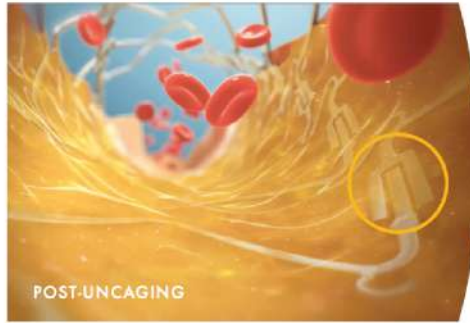
DESIGNED TO ADAPT TO VESSEL PHYSIOLOGY

The DynamX™ Novolimus-Eluting Coronary Bioadaptor System is an **innovation in coronary intervention** that is designed to treat blocked coronary arteries. It initially functions like a traditional drug-eluting stent (DES) with similar deliverability and radial strength while the vessel heals. Over six months the polymer is resorbed, releasing the uncaging elements to safely allow for positive adaptive remodeling and restoration of vessel function.

KEY FEATURES

- >> Novel uncaging elements
- >> Bioresorbable polymer coating
- >> Elutes low dose Novolimus over 3 months
- >> Thin cobalt chromium 71 μm strut¹
- >> Excellent deliverability¹
- >> Thin and uniform neointimal coverage²

UNCAGING ELEMENT

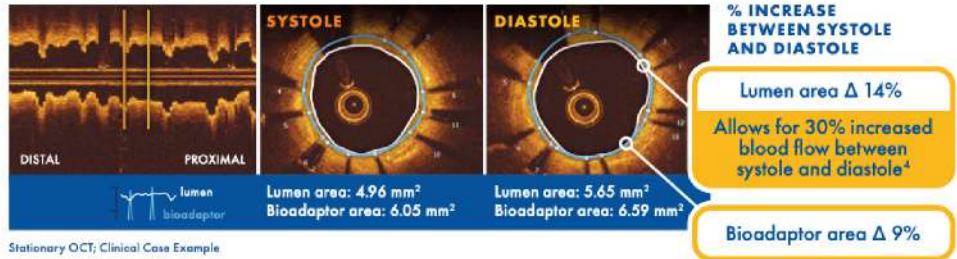


UNIQUE UNCAGING

- >> Designed to adapt to vessel physiology — maintains the ability for positive adaptive remodeling, restores vessel function and allows for return towards baseline angulation
- >> Unlike conventional DES that permanently cage the coronary artery, the DynamX polymer coating resorbs over six months to safely disengage the uncaging elements

PHYSIOLOGICAL RESPONSIVENESS

- >> DynamX Bioadaptor allows for normal vessel pulsatility and motion³



RETURN TOWARDS BASELINE ANGULATION

DYNAMX BIOADAPTOR CAN MITIGATE LONGITUDINAL STRAIGHTENING BY RETURNING VESSELS TOWARD BASELINE ANGULATION²

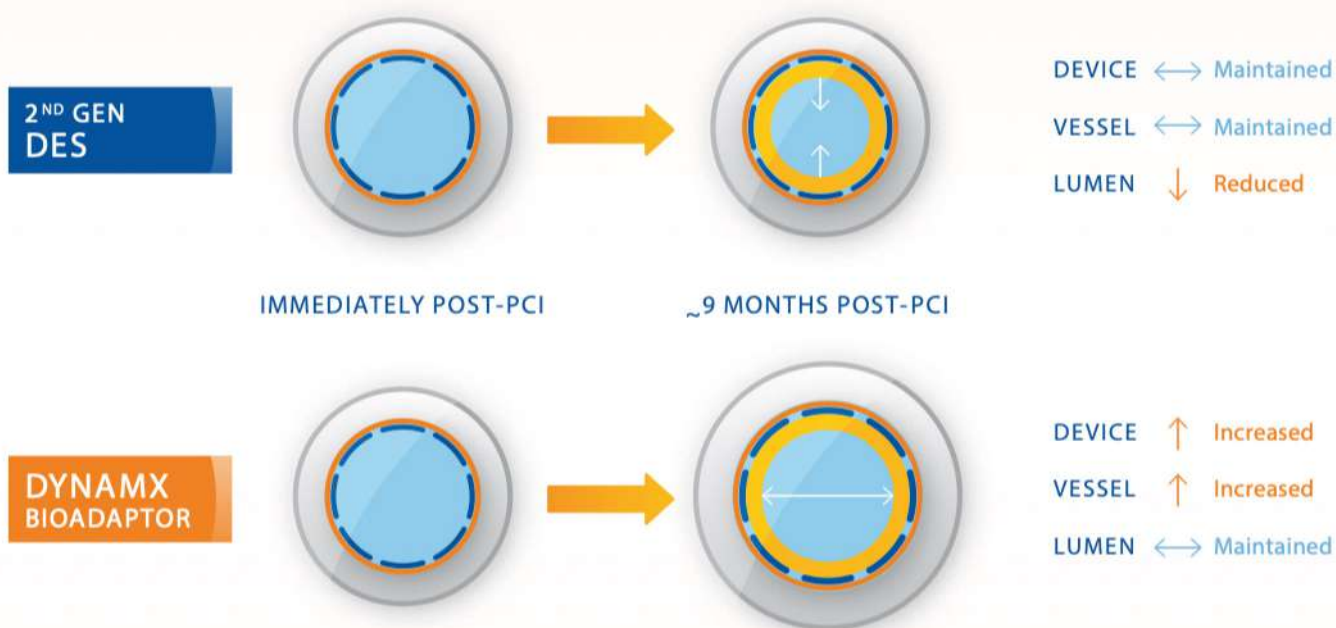
- >> Longitudinal straightening has been shown to contribute to MACE⁵



POSITIVE ADAPTIVE VESSEL REMODELING

DYNAMX BIOADAPTOR MAINTAINS LUMEN DIAMETER

>> Vessel and device increase in area, allowing the vessel to maintain **lumen diameter and preserve good blood flow over time**



DYNAMX MECHANISTIC CLINICAL STUDY

9 & 12 Months (n=38) ²

IVUS Parameter	Post-Procedure	9 & 12 Month Follow-up	Change from Post-Procedure	P Value (p<0.05)
Mean Vessel Area (mm ²)	14.11 ± 2.99	14.54 ± 3.12	3%	0.0170
Mean Bioadaptor Area (mm ²)	7.39 ± 1.20	7.74 ± 1.46	5%	0.0005
Mean Lumen Area (mm ²)	7.39 ± 1.20	7.36 ± 1.31	0%	0.5940

Bioadaptor Diameter (mm)	Bioadaptor Length (mm)					
	14	18	23	28	32	38
2.25	VCR2214	VCR2218	VCR2223	VCR2228	VCR2232	VCR2238
2.5	VCR2514	VCR2518	VCR2523	VCR2528	VCR2532	VCR2538
2.75	VCR2714	VCR2718	VCR2723	VCR2728	VCR2732	VCR2738
3.0	VCR3014	VCR3018	VCR3023	VCR3028	VCR3032	VCR3038
3.5	VCR3514	VCR3518	VCR3523	VCR3528	VCR3532	VCR3538

1. 2.25mm - 3.0mm are 71µm thick. Company Data on File at Elixir Medical.
2. DynamX Mechanistic Clinical Study, PCR 2020.
3. DynamX Mechanistic Clinical Study – Case Example.
4. Calculated based on area increase – Hagen-Poiseuille equation.
5. Gyongyosi et al, JACC 2000; 35-1580.

Elixir Medical is transforming the standard of care in percutaneous coronary intervention (PCI) with the break-through DynamX Bioadaptor system.

MEDITRANS 
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