

Technical Specifications

Available Stent Length (mm)	8, 13, 16, 19, 24, 29, 32, 37, 40
Available Stent Diameter (mm)	2.25, 2.50, 2.75, 3.00, 3.50, 4.00, 4.50
Stent Material	L605 Cobalt Chromium
Design	Uniform sinusoidal cell design
Foreshortening	Nearly zero
Recoil	< 4%
Stent Strut thickness	65 μ m
Balloon Delivery System	Rapid Exchange
Delivery System Usable Length	140 cm
Balloon Inflation Pressure	Nominal Pressure (NP): 9 atm Rated Burst Pressure (RBP): 16 atm (RBP for 4.5mm-14 atm)

Ordering Information

Stent Diameter (mm)	Stent Length (mm)								
	8	13	16	19	24	29	32	37	40
2.25	FX2.2508	FX2.2513	FX2.2516	FX2.2519	FX2.2524	FX2.2529	FX2.2532	FX2.2537	FX2.2540
2.50	FX2.5008	FX2.5013	FX2.5016	FX2.5019	FX2.5024	FX2.5029	FX2.5032	FX2.5037	FX2.5040
2.75	FX2.7508	FX2.7513	FX2.7516	FX2.7519	FX2.7524	FX2.7529	FX2.7532	FX2.7537	FX2.7540
3.00	FX3.0008	FX3.0013	FX3.0016	FX3.0019	FX3.0024	FX3.0029	FX3.0032	FX3.0037	FX3.0040
3.50	FX3.5008	FX3.5013	FX3.5016	FX3.5019	FX3.5024	FX3.5029	FX3.5032	FX3.5037	FX3.5040
4.00	FX4.0008	FX4.0013	FX4.0016	FX4.0019	FX4.0024	FX4.0029	FX4.0032	FX4.0037	FX4.0040
4.50	FX4.5008	FX4.5013	FX4.5016	FX4.5019	FX4.5024	FX4.5029	FX4.5032	FX4.5037	FX4.5040

Nano Science for Innovative Therapies



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flexia®

Cobalt Chromium Coronary
Stent System



flexia[®] Cobalt Chromium Coronary stent is the next generation Uniform sinusoidal cell geometry stent, designed to minimize stent induced arterial injury. It is carefully designed to incorporate controlled stent expansion characteristics, better stent-artery compliance, superior acute gain, optimum cell sizes & shape, lower strut thickness and high flexibility.

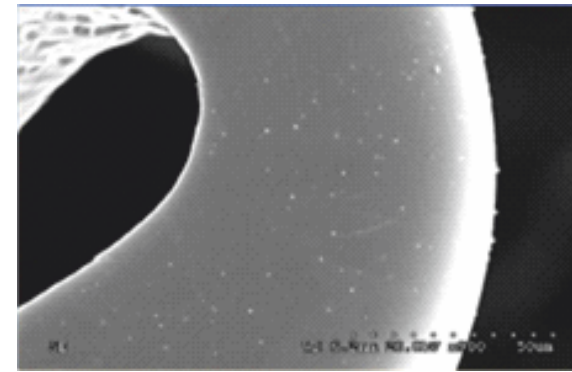
Design Comparison of Flexia with world's renowned Stents

BMS Characteristics	Liberte	Driver	ML Vision	Flexia
Strut Thickness	132 μ m	91 μ m	81 μ m	65 μ m
Stent Material	SS	CoNi	CoCr	CoCr
Crossing Profile	>1mm	1.1 mm	<1mm	<1mm

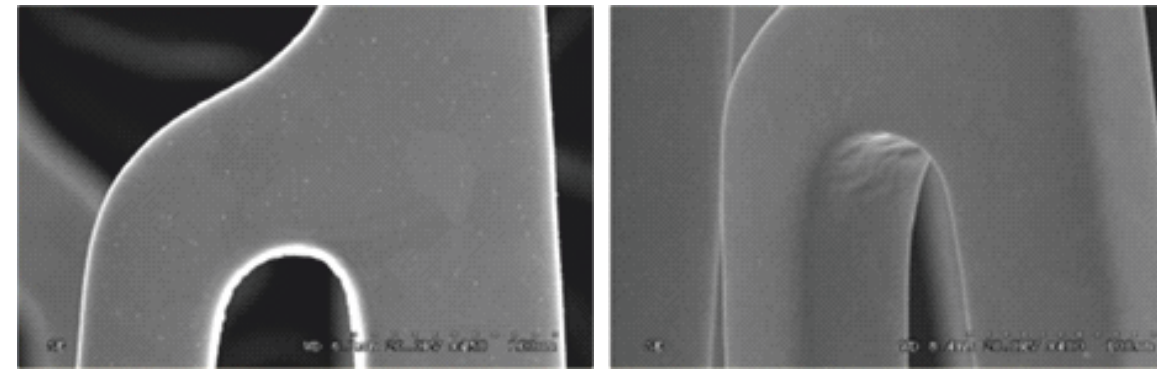
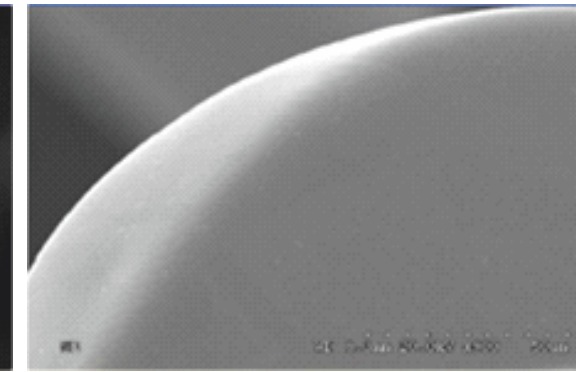
High Flexibility of Flexia Stent



Without Nano Surface Finish

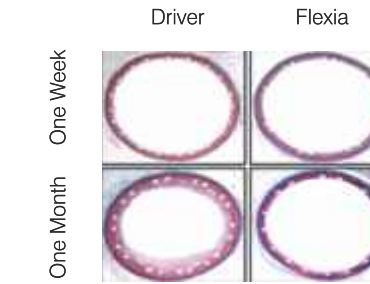


With Nano Surface Finish

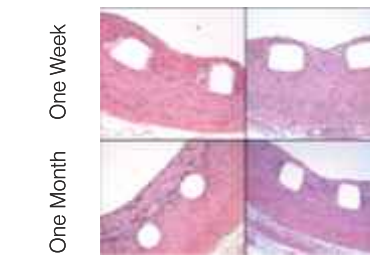


SEM Images of Flexia Stent

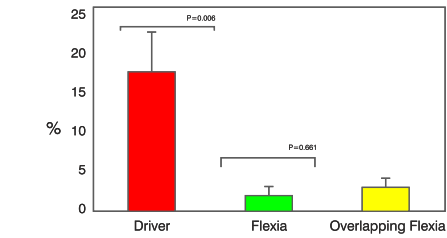
Results of Animal Study in Porcine Model



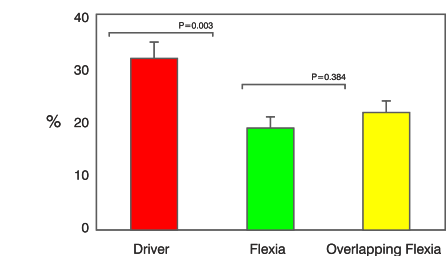
Low-magnification microscopic images of sections from one week and one month samples (X20)



High-magnification microscopic images of sections from one week and one month samples (x100)



Angiographic % diameter stenosis at one month



Histological % area stenosis at one month