

iVascular[®]
therapies for living

angiolute

Sirolimus eluting coronary stent system



Coating **durability**
& optimal **kinetics**



www.ivascular.global

mechanical integrity



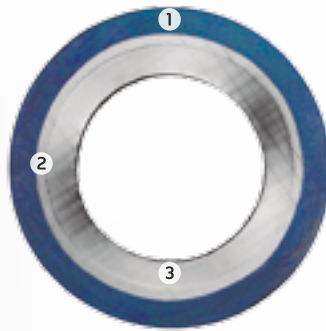
Proprietary **hydrophilic coating** with long lasting **durability**

Fast deflation

Low entry profile

Advanced crimping technology

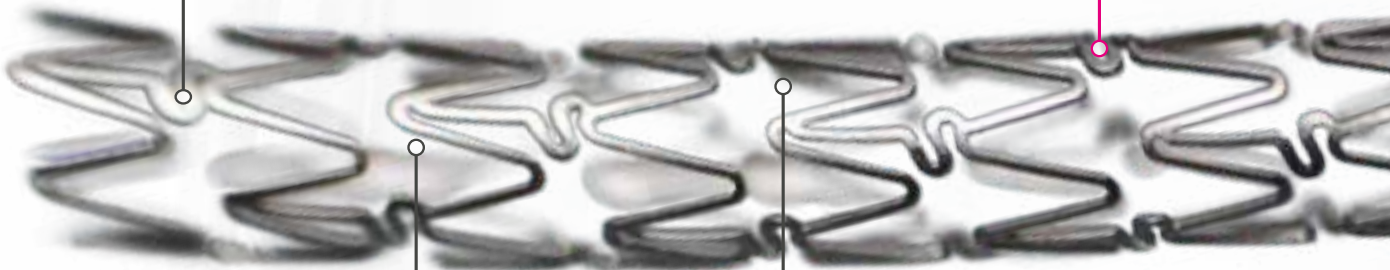
Trilayer balloon



- 1 PEBAK: anti-dislodgement
Soft layer for cushion effect
- 2 3 NYLON: anti-puncture
Reinforced inner layers

Open cell design

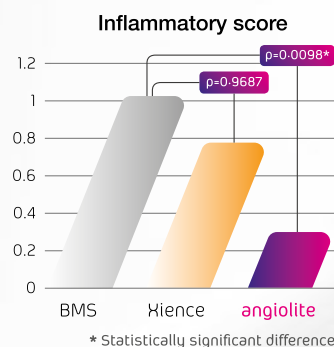
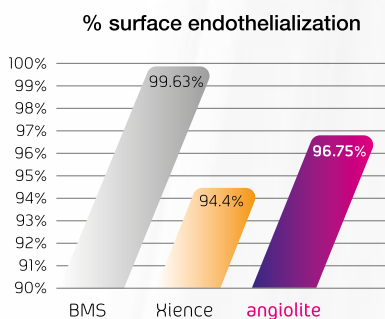
Specifically designed for DES



Outstanding radial force

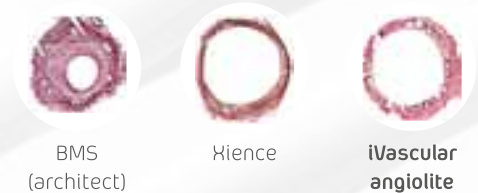
Alternate spiral links

preclinical study



Efficacy

28-day histological analysis
restenosis is equivalent to Xience



Safety

Angiolute shows improved endothelialization rates and less inflammation than Xience

- Assess safety & efficacy of new generation DES (**angiolute**) vs 2nd gen DES (**Xience**) and **BMS**
- Over-expansion swine model
- **33 stents** randomized over the 3 major coronary arteries
- **28-day** angiographic & histomorphometric follow-up

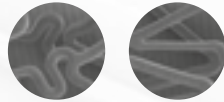
homogeneous drug delivery

BMS - CoCr



Proprietary **nanodrop coating** technology

Acrylate



Primer

Fluorinated acrylate +
Sirolimus

Matrix

Fluorinated acrylate

Top



Coating
integrity



clinical trial

The ANCHOR study results confirm the safety and efficacy of angiolute for the treatment of patients with de novo lesions.

OCT
3-month
follow-up

Covered struts
rate 86,3%

High Efficacy

At 6-month proven
and mainly supported by
binary restenosis 0%
in-stent LLL 0,07mm.

High Safety

Supported by a very **low target
lesion failure rate 1%**, caused by
**1% of target lesion
revascularization at 6-month.**

ANCHOR Study
103 patients

angiolite features

- > **Rapid Exchange catheter (RX)**
- > Compatible with **0.014" guidewire**
- > Compatible with **5F guiding catheter**
- > Tip profile: **0.016"**
- > Crossing profile from **0.043" to 0.051"**
- > **2 radiopaque markers** (Pt-Ir)
- > Balloon material: **Nylon** and **Pebax**
- > **Semi-compliant** balloon
- > Mean deflation time: **3s**
- > NP: **9-12 atm** | RBP = **16 atm** | ABP = **22 atm**
- > Stent material: **CoCr L605**
- > Strut thickness **75 µm - 85 µm**
- > Recoil < **5%**
- > Shortening at expansion < **3%**
- > Drug: **1.4 µg/mm² Sirolimus**
- > Polymer: **Fluorinated acrylate**

Product with CE mark, certified by Notified Body 0318

Stent diameter (mm)	Working catheter length: 142 cm							
	Stent length (mm)							
	9	14	16	19	24	29	34	39
2.00	SCC DSR14 150 200 009	SCC DSR14 150 200 014	SCC DSR14 150 200 016	SCC DSR14 150 200 019	SCC DSR14 150 200 024	SCC DSR14 150 200 029	SCC DSR14 150 200 034	SCC DSR14 150 200 039
2.25	SCC DSR14 150 225 009	SCC DSR14 150 225 014	SCC DSR14 150 225 016	SCC DSR14 150 225 019	SCC DSR14 150 225 024	SCC DSR14 150 225 029	SCC DSR14 150 225 034	SCC DSR14 150 225 039
2.50	SCC DSR14 150 250 009	SCC DSR14 150 250 014	SCC DSR14 150 250 016	SCC DSR14 150 250 019	SCC DSR14 150 250 024	SCC DSR14 150 250 029	SCC DSR14 150 250 034	SCC DSR14 150 250 039
2.75	SCC DSR14 150 275 009	SCC DSR14 150 275 014	SCC DSR14 150 275 016	SCC DSR14 150 275 019	SCC DSR14 150 275 024	SCC DSR14 150 275 029	SCC DSR14 150 275 034	SCC DSR14 150 275 039
3.00	SCC DSR14 150 300 009	SCC DSR14 150 300 014	SCC DSR14 150 300 016	SCC DSR14 150 300 019	SCC DSR14 150 300 024	SCC DSR14 150 300 029	SCC DSR14 150 300 034	SCC DSR14 150 300 039
3.50	SCC DSR14 150 350 009	SCC DSR14 150 350 014	SCC DSR14 150 350 016	SCC DSR14 150 350 019	SCC DSR14 150 350 024	SCC DSR14 150 350 029	SCC DSR14 150 350 034	SCC DSR14 150 350 039
4.00	SCC DSR14 150 400 009	SCC DSR14 150 400 014	SCC DSR14 150 400 016	SCC DSR14 150 400 019	SCC DSR14 150 400 024	SCC DSR14 150 400 029	SCC DSR14 150 400 034	SCC DSR14 150 400 039
4.50	-	SCC DSR14 150 450 014	SCC DSR14 150 450 016	SCC DSR14 150 450 019	SCC DSR14 150 450 024	SCC DSR14 150 450 029	SCC DSR14 150 450 034	SCC DSR14 150 450 039

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