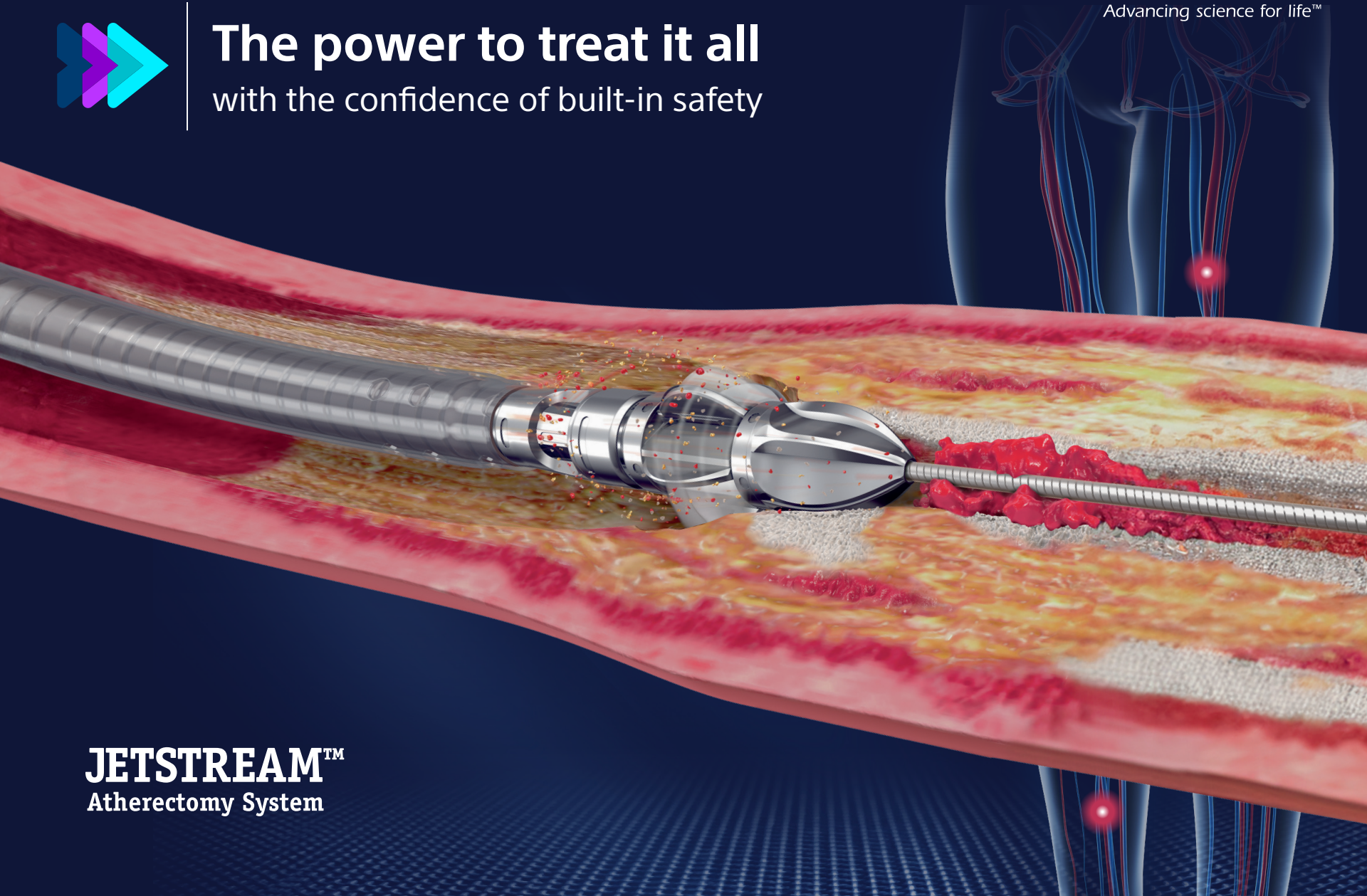
Boston Scientific
Advancing science for life™

The power to treat it all

with the confidence of built-in safety



JETSTREAM™
Atherectomy System

Discover the power to treat it all

Whatever the challenge, the unique design of Jetstream™ gives you the power and control to optimise vessel preparation:

- Plaque, thrombus, calcium
- Long, diffuse disease and CTOs
- In-stent restenosis

CTO: Chronic total occlusion

JETSTREAM™
Atherectomy System

The power to treat it all
with the confidence of built-in safety

Discover the confidence of luminal gain with built-in safety

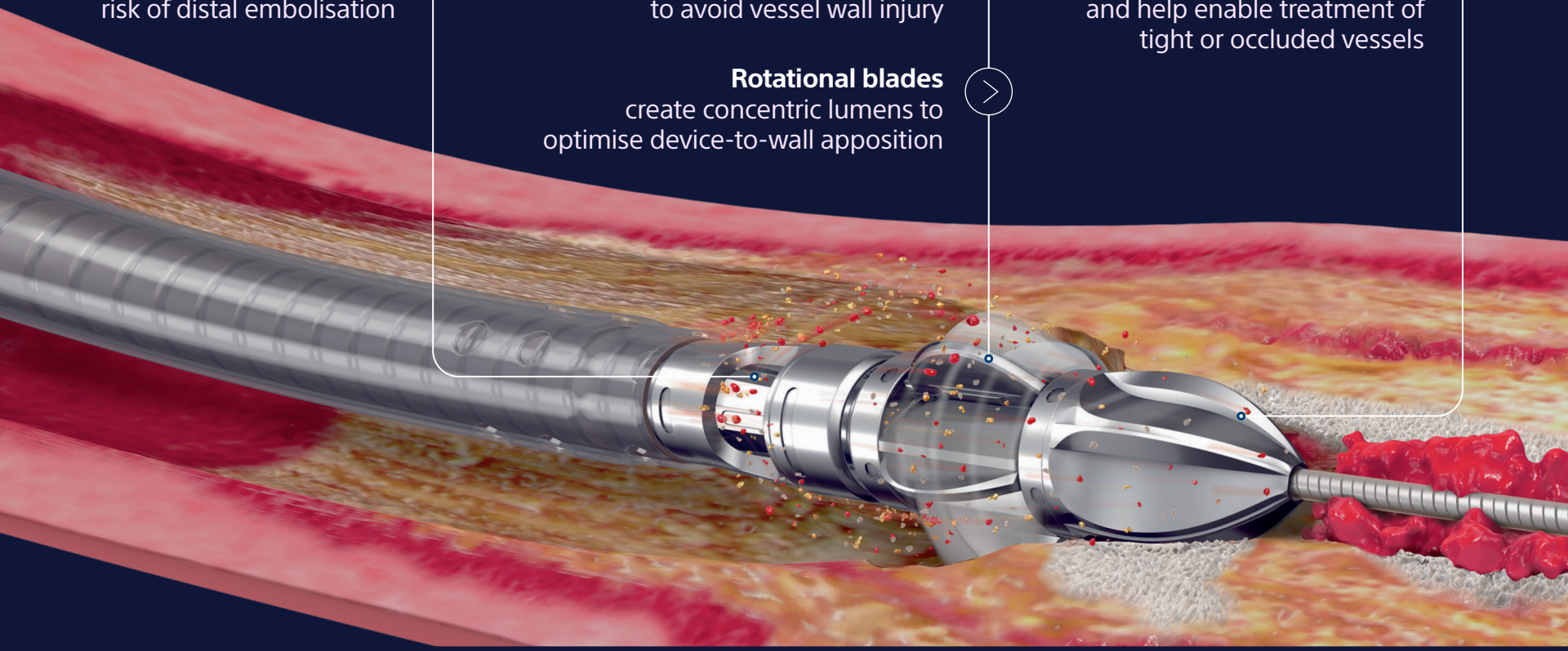
Expandable blades
enable additional luminal gain and provide sizing flexibility

Active aspiration port
removes debris to minimise risk of distal embolisation

Differential cutting
deflects away from healthy tissue to avoid vessel wall injury

Front-cutting blades
immediately engage lesions and help enable treatment of tight or occluded vessels

Rotational blades
create concentric lumens to optimise device-to-wall apposition



JETSTREAM™
Atherectomy System

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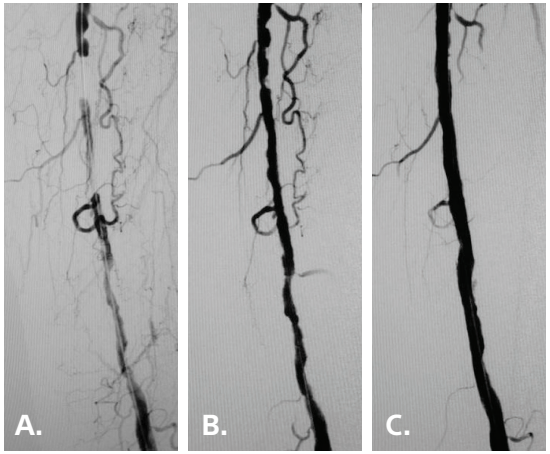
Real-world case examples

Click or scan here to view Jetstream™ case study videos on EDUCARE

1. Atherectomy of chronic total occlusion of the SFA

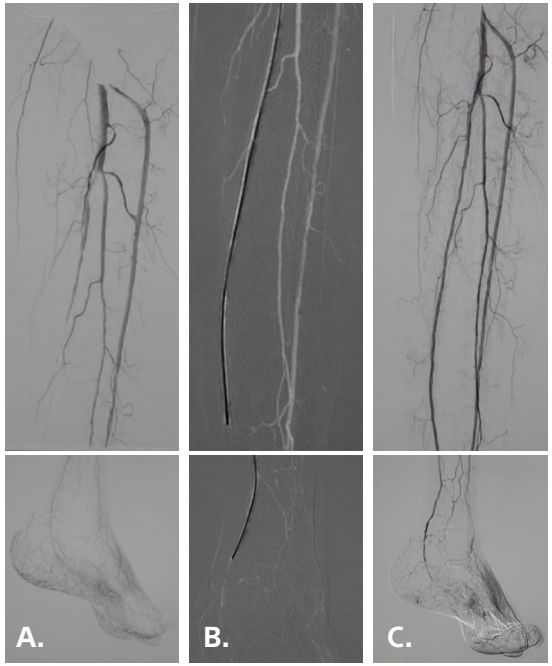


A. Pre Jetstream:
- Hydrophilic 0.035" wire and support catheter used to cross SFA CTO

B. Stand-alone Jetstream result (2.4/3.4 mm XC Catheter):
- Two passes blades down
- One pass blades up

C. Post DCB

2. Atherectomy of posterior tibial occlusion

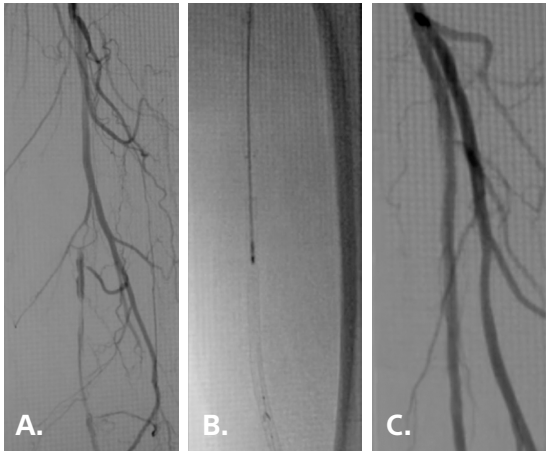


A. Pre Jetstream:
- Angiogram shows posterior tibial occlusion

B. Jetstream procedure (1.6 mm SC Catheter)

C. Post DCB

3. Atherectomy of long in-stent restenosis



A. Pre Jetstream:
- Angiogram shows an occluded stent in SFA

B. Jetstream procedure (2.1/3.0 mm XC Catheter):
- Two passes blades down
- One pass blades up

C. Post DCB

Results from case studies are not necessarily predictive of results in other cases. Results in other cases may vary.
Images courtesy of: **Case 1** Dr J Adeniyi, Bridgeport, WV USA; **Case 2** Dr A Kumarasamy, Frankfurt, Germany; **Case 3** Dr A Jomha, Bad Hersfeld Hospital, Germany
CTO: Chronic total occlusion; **DCB:** Drug-coated balloon; **SFA:** Superficial femoral artery

Real-world clinical data

Click or scan here to learn more about Jetstream™ clinical study results on EDUCARE

Jetstream Calcium Study[2]

Lumen area increase

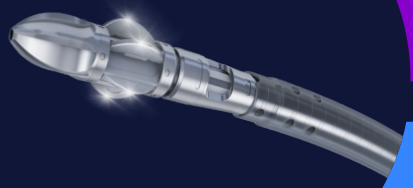
P=(0.001)

Pre-IVUS 6.6 mm² (±3.7 mm)

Post-IVUS 10 mm² (±3.6 mm)

86% of lumen gain was directly attributed to calcium reduction

Demonstrated the ability of Jetstream to create **statistically significant luminal gain in severe and moderate calcium** as measured by IVUS.



Jetstream-ISR Registry[4]

Demonstrated a **high rate of freedom from TLR** at 12 months for patients who presented with in-stent restenosis.

Freedom from TLR at 12 months

91%

JET Long Lesion (LL)[3]

Overall freedom from TLR at 12 months

92.5%

Demonstrated a **high freedom from TLR** rate and **low distal embolisation rate** in patients with **long, 24.2 cm real-world lesions.** Despite this long lesion length, the **bail-out stenting was low at only 7.4%.**

J-SUPREME I & II[5]

Supported the use of DCB rather than standard PTA following atherectomy for sustained patency.

Primary sustained clinical improvement at 12 months

93.1% DCB

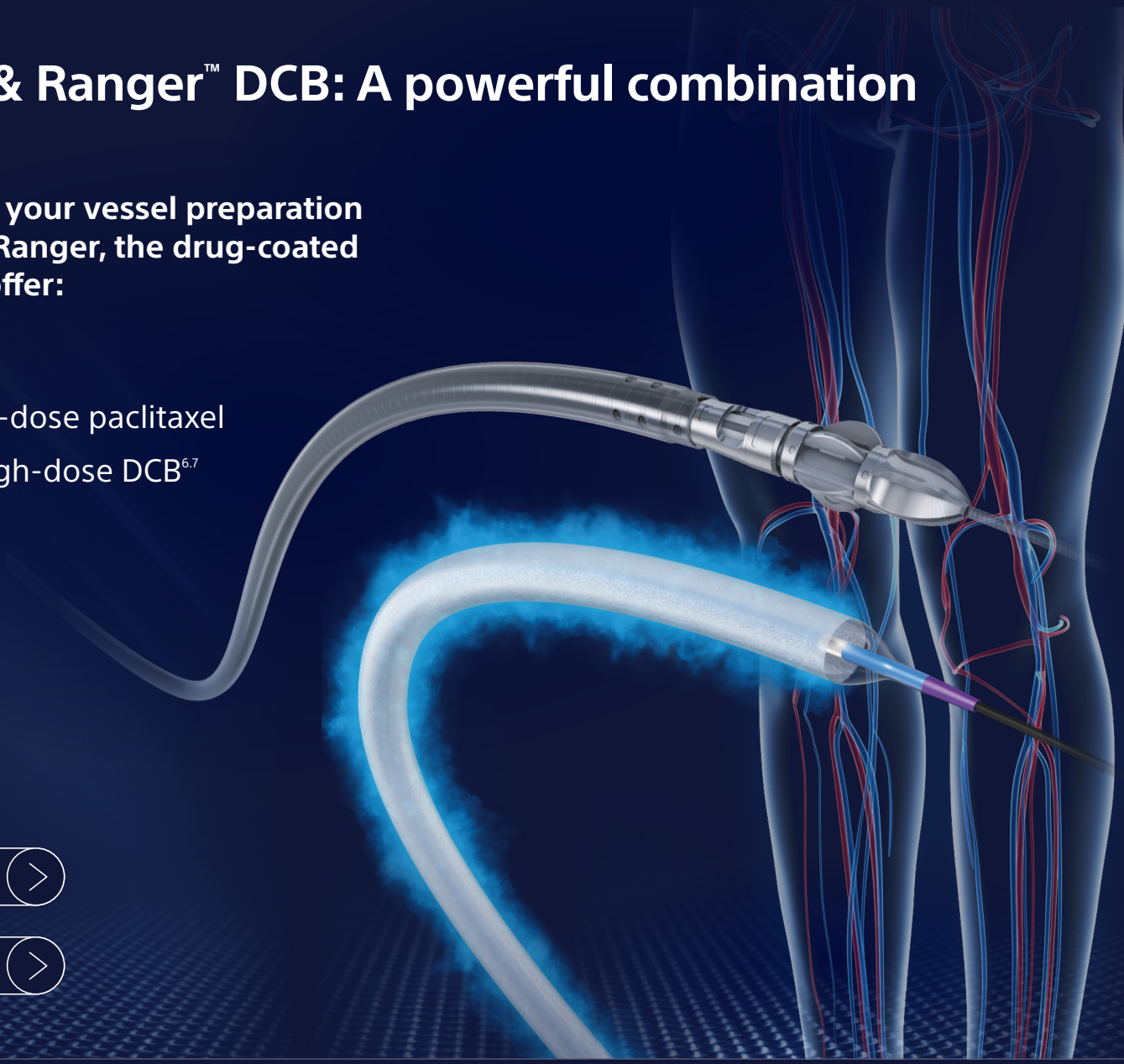
40.4% PTA

DCB: Drug-coated balloon; **IVUS:** Intravascular ultrasound; **PTA:** Percutaneous transluminal angioplasty
SFA: Superficial femoral artery; **TLR:** Target-lesion restenosis

Jetstream™ & Ranger™ DCB: A powerful combination

Once you have optimised your vessel preparation with Jetstream, reach for Ranger, the drug-coated balloon that's proven to offer:

- Effortless deliverability
- Targeted delivery of low-dose paclitaxel
- Equivalent efficacy to high-dose DCB[6,7]



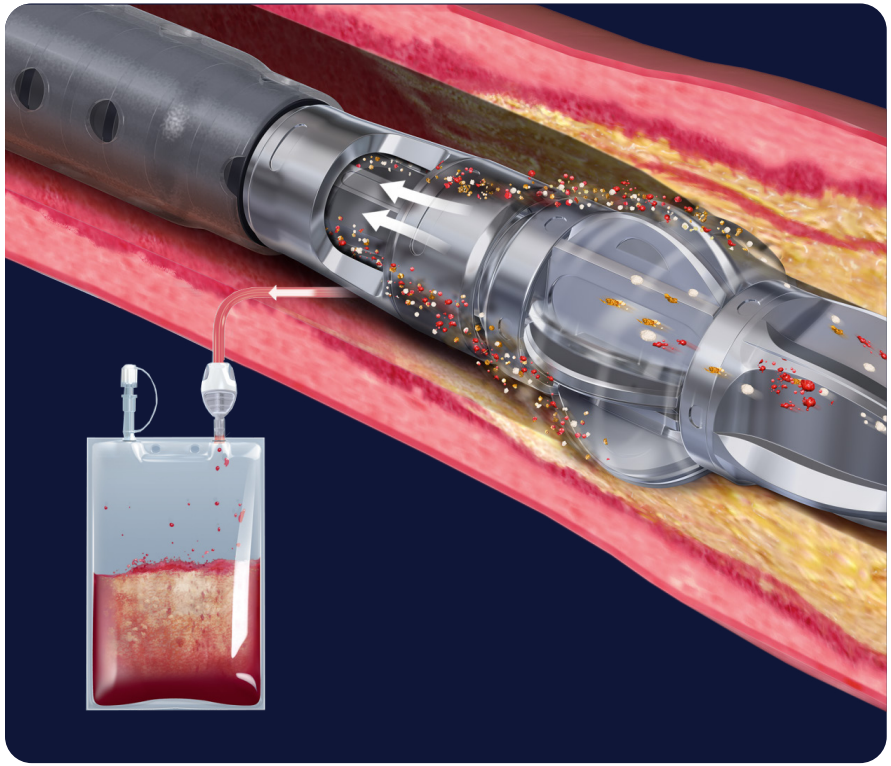
View Partners in Success video

View Ranger DCB brochure

Discover the confidence of luminal gain with built-in safety

Active aspiration port

Dynamic and continuous aspiration mechanically removes debris, including thrombus, helping to **minimise the risk of distal embolisation**, while debulking the lesion.

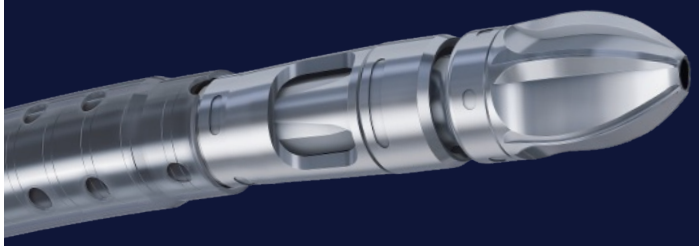


Discover the confidence of luminal gain with built-in safety

Expandable blades

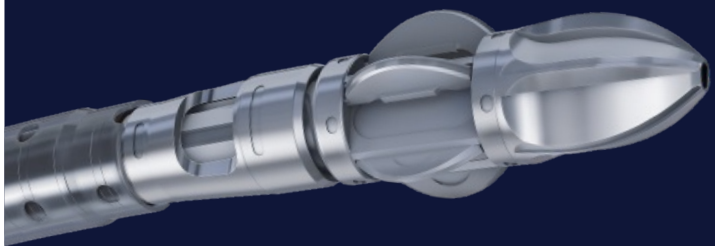
“Blades-down/blades-up” technology enables **maximum luminal gain** while providing the flexibility to treat **multiple vessel diameters** with the same catheter.

Blades down



Blades up

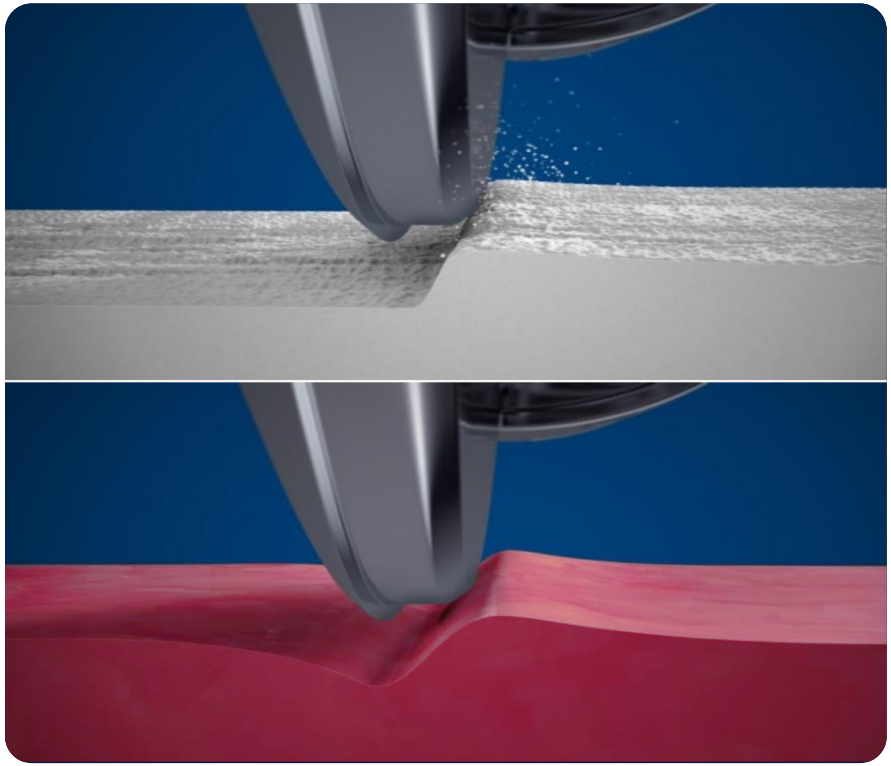
Proximal blades expand for additional luminal gain



Discover the confidence of luminal gain with built-in safety

Differential cutting

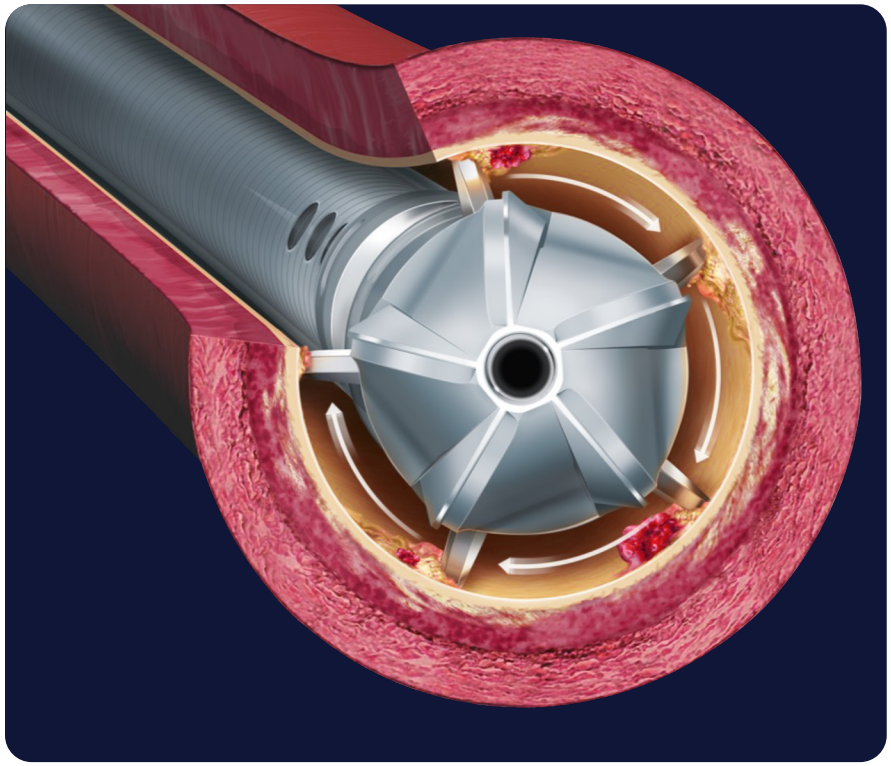
The design of the cutting edge allows the blades to cut the diseased, inelastic, tissue while deflecting away from the healthy, elastic, tissue – **helping to avoid vessel wall injury.**



Discover the confidence of luminal gain with built-in safety

Rotational blades

Rotational blades spin at ~70,000 RPMs to create concentric lumens, **optimising balloon-to-wall apposition for DCB** or other adjunctive therapies.

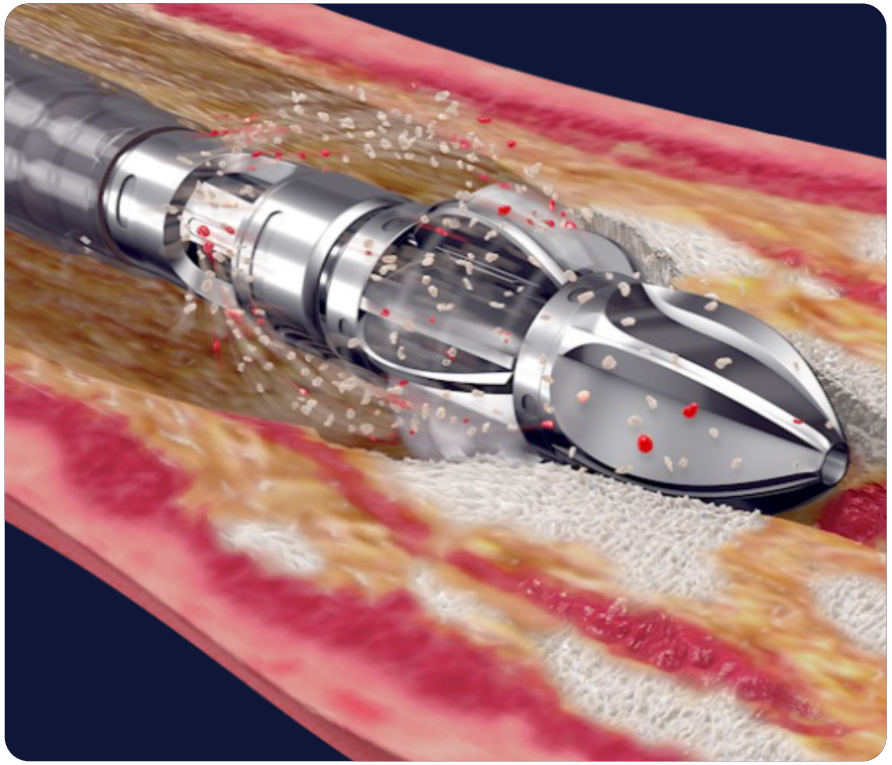


Data has demonstrated that full wall apposition of DCB contributed to an increased primary patency at 12 months[1]

Discover the confidence of luminal gain with built-in safety

Front-cutting blades

Five front-cutting blades immediately engage lesions and help **enable the treatment of tight or occluded vessels.**



Jetstream™ specifications

Catheter length	Minimum introducer size	Maximum guidewire diameter	Tip diameter	Target therapy speed	GTIN	UPN/order code	Catalogue number	Unit	Qty
Jetstream™ 2.4/3.4 mm XC Atherectomy Catheter									
120 cm	7F	0.014"	2.4 mm 3.4 mm	70K rpm	08714729889922	112266-003	PV41340	Each	1
Jetstream™ 2.1/3.0 mm XC Atherectomy Catheter									
135 cm	7F	0.014"	2.1 mm 3.0 mm	70K rpm	08714729889892	112264-003	PV31300	Each	1
Jetstream™ 1.85 mm SC Atherectomy Catheter									
145 cm	7F	0.014"	1.85 mm	73K rpm	08714729889861	112262-003	PV3118F	Each	1
Jetstream™ 1.6 mm SC Atherectomy Catheter									
145 cm	7F	0.014"	1.6 mm	73K rpm	08714789889830	112260-003	PV3116F	Each	1

Consoles	UPN/order code
Jetstream™ Console EU	**050599-010**
Jetstream™ Console UK	**050500-020**

References:

1. LEVANT 2 post-hoc subgroup analysis suggests the full wall apposition of the Lutonix 035 DCB positively impacted primary patency at 12 months. https://eu.bd.com/events/lib/asset/124.pdf.
2. Maehara A, Mintz G, Shimshak T, Ricotta J, Ramaiah V, Foster M, Davis T, Gray W. Intravascular ultrasound evaluation of JETSTREAM atherectomy removal of superficial calcium in peripheral arteries. EuroIntervention 2015;11:96-103.
3. Atherectomy in Complex Lesions: Real-World Challenges and Data presented by Martin Andrassy, MD. CIRSE 2020.
4. Andrassy M, Lichtenberg M, Brodmann M, Andrassy J, Giusca S, Korosoglou G. Jetstream Rotational Atherectomy and Drug Coated Balloon Angioplasty with In Stent Re-stenosis and Occlusions. A Two Centre Study. Eur J Vasc Endovasc Surg. 2022 Dec;64(6):733-734.
5. Iida O, Urasawa K, Shibata Y, Yamamoto Y, Ando H, Fujihara M, Nakama T, Miyashita Y, Mori S, Diaz-Cartelle J, Soga Y. Clinical Safety and Efficacy of Rotational Atherectomy in Japanese Patients with Peripheral Arterial Disease Presenting Femoropopliteal Lesions: The J-SUPREME and J-SUPREME II Trials. J Endovasc Ther. 2022 Apr;29(2):240-247. doi: 10.1177/15266028211045700. Epub 2021 Sep 13. PMID: 34510954.
6. COMPARE Clinical Trial 12-Month Results presented by Sabine Steiner, MD. LINC 2020. K-M Primary Patency = 88.4%.
7. RANGER II SFA Pivotal Trial 12-Month Results presented by Marianne Brodmann, MD. LINC 2020. K-M Primary Patency = 89.8%.

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