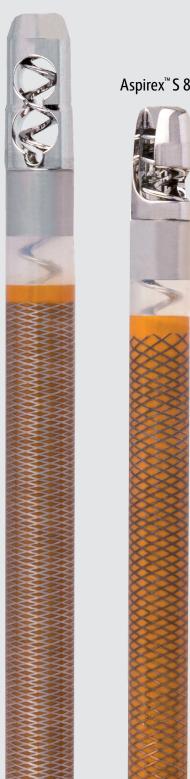
The Thrombectomy System with Continuous Aspiration

Aspirex[™]S 10F



One Device for Many Indications

Efficient thrombectomy in acute venous occlusions

- Veins
- Arteries
- Dialysis access

Aspirex[™] S 6F



Three functions in one device

- Aspiration of fresh thrombus and thromboemboli
- Fragmentation of aspirated material
- **Transportation** out of the patient's body



Rotarex[™] S

Rotational Atherothrombectomy System

Rotarex[™] S Set

Size	Length (cm)	REF Number			
6F	110	80219			
	135	80202			
8F	85	80223			
	110	80224			
10F	85	80277			
Sat includes catheter auidowire sterile drape, and					

collecting bag

Drive Systen

Description	REF Number
Drive System	80300



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Aspirex[™] S

Mechanical Aspiration Thrombectomy System

Aspirex[™] S Set

Size	Length (cm) REF Numb				
6F	110	80226			
	135	80227			
8F	85	80229			
ÖF	110	80230			
10F	110	80232			
Sat includes catheter, quidewire, sterile drane, and					

Diameter (in.)	Length (cm)	Flex Tip (mm)	Hydrophilic Coating (cm)	REF Number
0.018	220	40	9.5	80270
	270	40	9.5	80271
	320	40	9.5	80272
0.025	220	60	8.5	80304
	270	60	85	80305

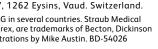
Il quidewires have an analed tip configuration and come in packs o

Effective Debulking in Occluded Arteries & Veins

Rotarex[™] S Rotational Atherothrombectomy System

Aspirex[™] S

Mechanical Aspiration Thrombectomy System







The Atherothrombectomy System For Occluded Arteries

One Device for Multiple Indications

Efficient debulking for acute to chronic arterial occlusions

- Native vessels
- Stents (in-stent reocclusion)
- Native and artificial bypasses
- · Dialysis access

Four functions in one device

- **Detachment** of the occluding material from the vessel (up to 1 cm/sec)
- Aspiration of detached material into the catheter head
- Fragmentation of the aspirated material
- **Transportation** out of the patient's body

Rotarex[™] S Rotational Atherothrombectomy System



Rotarex[™] S 10F

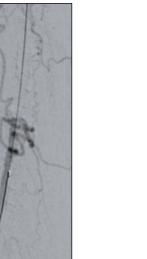


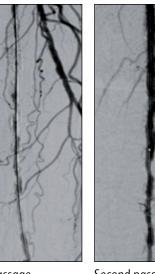
CTO Left SFA + DCB 8F Rotarex[™] S^{*}

Dr. Sven Bräunlich, Diakoniekrankenhaus, Halle, Germany

70-year old patient with a claudication for one year of the left calf, walking distance of 100 meters. Puncture of the right groin provided a cross-over approach to the SFA occlusion which was recanalized with a wire intraluminally. Several passes with the Rotarex[™] S 8F Catheter followed by two DCB demonstrated restored flow. The patient remains symptom-free after 12 months.

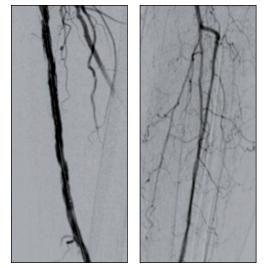






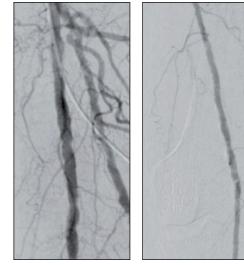
First passage

Second passage

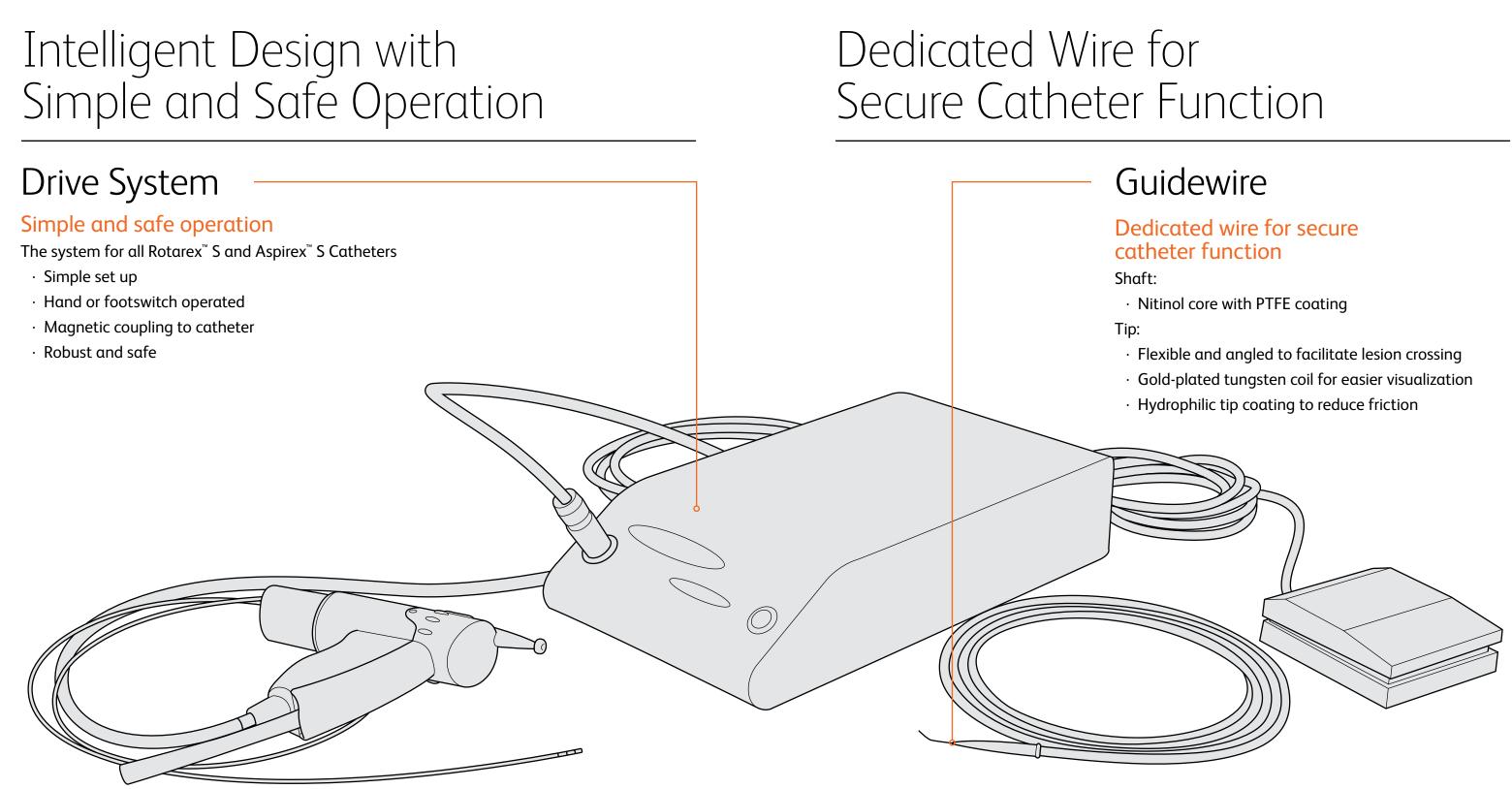


After DCB

Rotarex[™] S Rotational Atherothrombectomy System



Result after 12 months



Recanalization of an acute iliofemoral deep vein thrombosis using the Aspirex[™] S 10F catheter^{*}

Dr. Michael Lichtenberg, Karolinen Hospital, Arnsberg, Germany

41-year-old female with acute painful swelling of the left lower calf for two days. CT venography shows a descending thrombus from distal inferior vena cava to the level of the left external iliac vein (Figure 1).

Intervention

Access was gained through an antegrade puncture of the femoral vein under ultrasound guidance with a 10F sheath, 5000 units of heparin were administered. The first venogram demonstrated complete thrombotic occlusion of the left iliac vein (Figure 2). The external and common iliac veins were passed with an angled 5F catheter over a stiff guide wire. The guide wire was then exchanged to a 0.025" guide wire provided for performing mechanical thrombectomy with the 10F Aspirex[™] S Cathete After 3 passes with the Aspirex[™] S Catheter a quite effective outflow of the iliac vein (Figure 3 was restored.

Following thrombectomy, venography demonstrated a high-grade stenosis of the proximal common iliac vein, a site typical for May-Thurner syndrome. Pre-dilatation of the stenosis with a 14 x 60 mm PTA balloon was followed by stent implantation with a 16 x 20 mm self-expanding venous stent. Post-dilatation venogram showed optimal stent deployment and wall apposition (*Figure 4*).

Post-intervention, vitamin K antagonist was prescribed as an anticoagulation therapy for a period of 6 months. At the 3-month clinical follow-up the patient presented symptom-free. Venous outflow was shown to be patent on the treated side with no in-stent restenosis seen on duplex ultrasound.



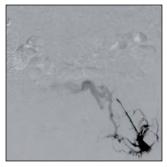


Figure 2

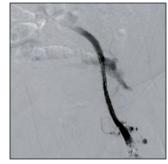


Figure 3

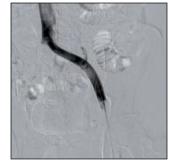


Figure 4

Aspirex[™] S Mechanical Aspiration Thrombectomy System