

Industry's Longest Radial Devices Enable Treatment of Tibial Arteries from the Wrist



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PATIENT PRESENTATION / BASELINE

A 59-year-old male presented with a non-healing wound in the right lower extremity. In addition, the patient had contractures in his right lower extremity and known occlusions of the right external iliac artery and the right radial artery.

DIAGNOSTIC FINDINGS (Figure 1)

Diagnostic angiogram of the left lower extremity revealed:

- 90% stenosis in the left profunda femoris artery
- 100% occlusion of the anterior and posterior tibial arteries

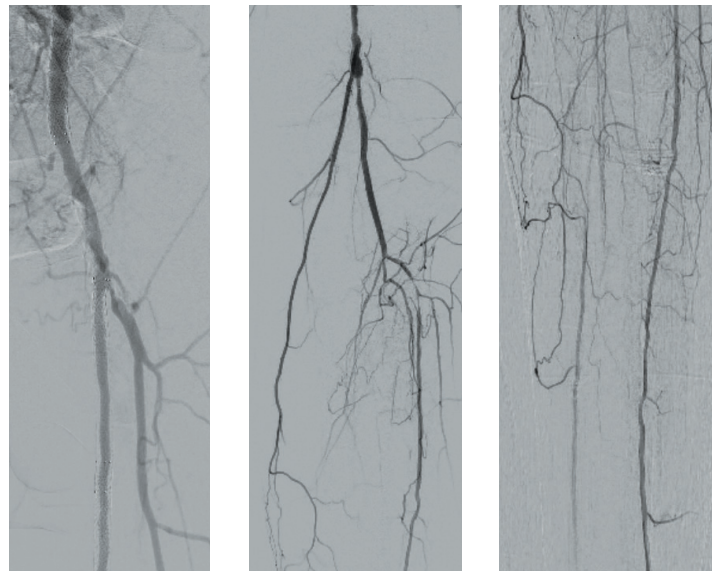


Figure 1: Angiogram revealed a stenosis of the profunda femoris artery and an occlusion of the anterior tibial and posterior tibial arteries

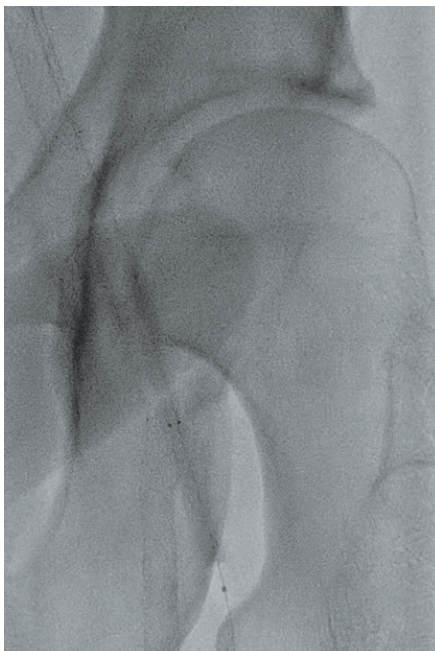


Figure 2: 5.0 mm x 60 mm Sublime™ Radial Access .018 RX PTA Dilatation Catheter

TREATMENT

Due to the patient's presentation, the only available access points were the patient's occluded right radial artery, the left superficial femoral artery via an antegrade approach, or left pedal access.

It was determined the right radial artery would be accessed despite the occlusion. Access was achieved and the occlusion was successfully crossed using ultrasound-guidance. A pigtail catheter was inserted over a guidewire and placed in the abdominal aorta so an abdominal aortography could be performed in the left femoral artery. Once completed, a 6 Fr, 150 cm Sublime™ Radial Access Guide Sheath was inserted and a 5.0 mm x 60 mm Sublime™ Radial Access .018 RX PTA Dilatation Catheter was advanced to the profunda femoris artery and inflated (Figure 2).

Case Report

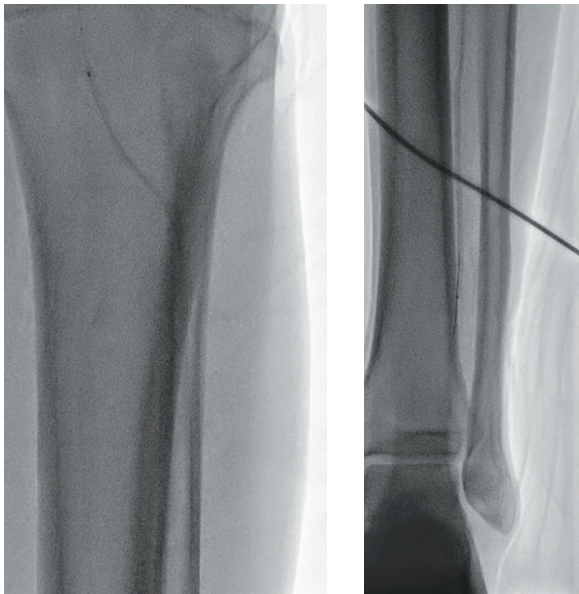


Figure 3: 2.0 mm x 220 mm Sublime™ Radial Access .014 RX PTA Dilatation Catheter was advanced to the lesion and inflated

Excellent lesion reduction was noted in the profunda femoris artery, so the guidewire was advanced into the anterior tibial artery. After successfully crossing the lesion, a 2.0 mm x 220 mm Sublime™ Radial Access .014 RX PTA Dilatation Catheter was advanced to the lesion and inflated (Figure 3). Repeat angiography revealed excellent lesion reduction.

POST PROCEDURE OUTCOME (Figure 4)

Following the successful intervention, the patient's entire extremity appeared to have collaterals from the left anterior tibial artery into the posterior compartment of the foot. The left profunda femoris artery also demonstrated excellent flow.

CONCLUSION

The Sublime™ Radial Access Platform was critical to the success of this patient's intervention. Specifically, the Sublime™ RX PTA Dilation Catheters provided the required working lengths that were needed to navigate the patient's tortuous anatomy and continuous contractures in the upper extremity. Previous attempts with shorter working lengths were aborted when the alternate device wouldn't reach the lesions.

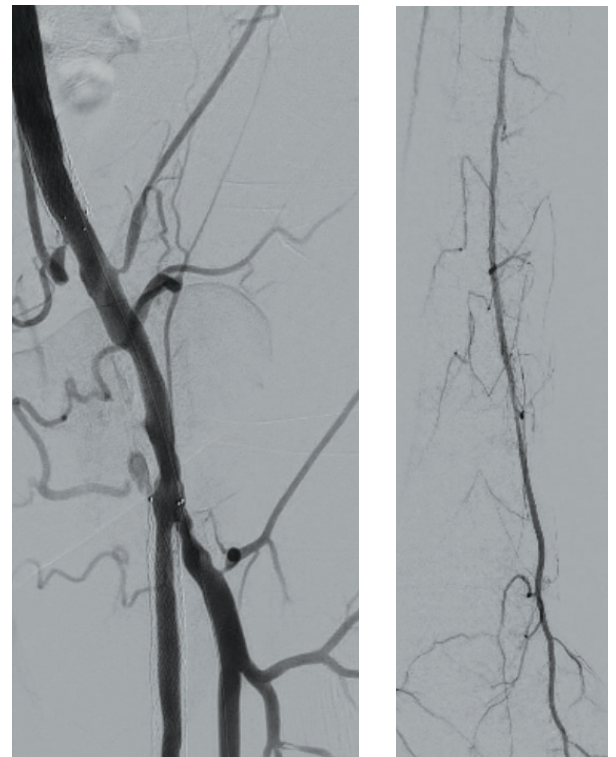


Figure 4: Arteriogram demonstrating excellent flow



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