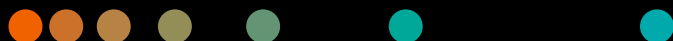


Study protocol

# PTA of external iliac artery

Vascular procedures



## Case description

### Patient history

67-year-old male,  
BMI 17, smoker

### Preoperative findings

Previous PTA of the left superficial femoral artery and popliteal artery. Previous multiple PTAs and bypass surgery on the right side, most recently a below-knee amputation on the right. Arterial hypertension. Previously experienced myocardial infarction and stroke. Pain in the left foot and necrosis of the fourth toe on the left

### Diagnosis

Peripheral occlusive disease stage IV on left side due to reocclusion of superficial femoral artery

### Surgical procedure

Percutaneous transluminal angioplasty (PTA) (Figs. 1–2)

### Conclusion

DSA roadmap can be used in PTA procedures

---

### Courtesy of

Dr. Marc Weigand, MD,  
Alb Fils Kliniken, Göppingen,  
Germany

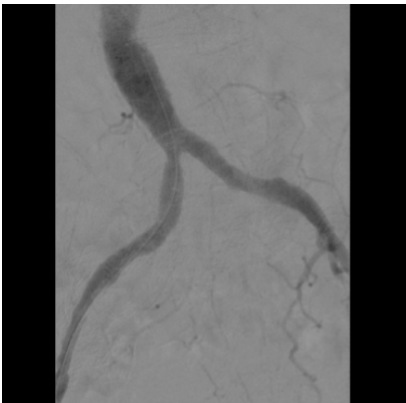
### System

Cios Alpha

---

# Clinical images

Figure 1



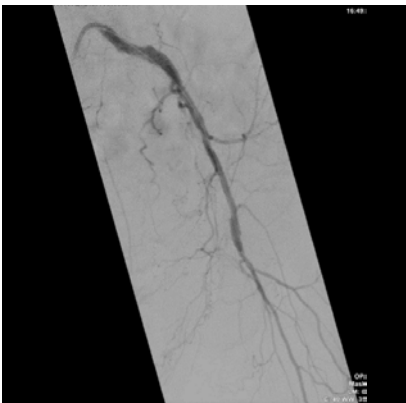
Control angio

Figure 2



Crossover with DSA roadmap

Figure 3



Left external iliac artery exploration with DSA and smart collimation

Figure 4



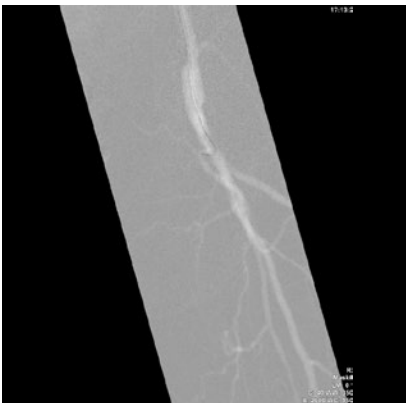
Introduction of 0.18 wire

Figure 5



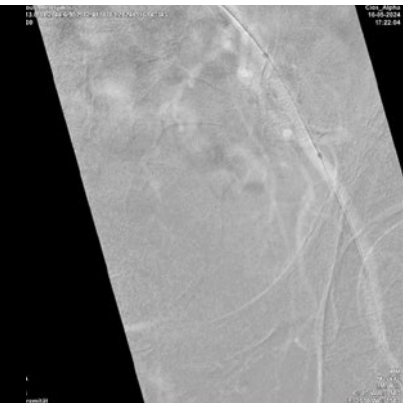
Angio

Figure 6



Roadmap

Figure 7



PTA balloon under roadmap

Figure 8



Final angio

The information presented in the study protocol is for illustration only and is not intended to be relied upon by the reader for instruction as to the practice of medicine. Any healthcare practitioner reading this information is reminded that they must use their own learning, training, and expertise in dealing with their individual patients. This material does not substitute for that duty and is not intended by Siemens Healthineers to be used for any purpose in that regard.

The statements by customers of Siemens Healthineers presented here are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption), there can be no guarantee that other customers will achieve the same results.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this case are available throughout the Siemens Healthineers sales organization worldwide.

The product names and/or brands referred to are the property of their respective trademark holders.

All rights reserved.

---

**Siemens Healthineers Headquarters**

Siemens Healthineers AG  
Siemensstr. 3  
91301 Forchheim, Germany  
Phone: +49 9191 18-0  
[siemens-healthineers.com](https://www.siemens-healthineers.com)