



Patient history



Procedure description



Final clinical results



Technical data /
ordering info

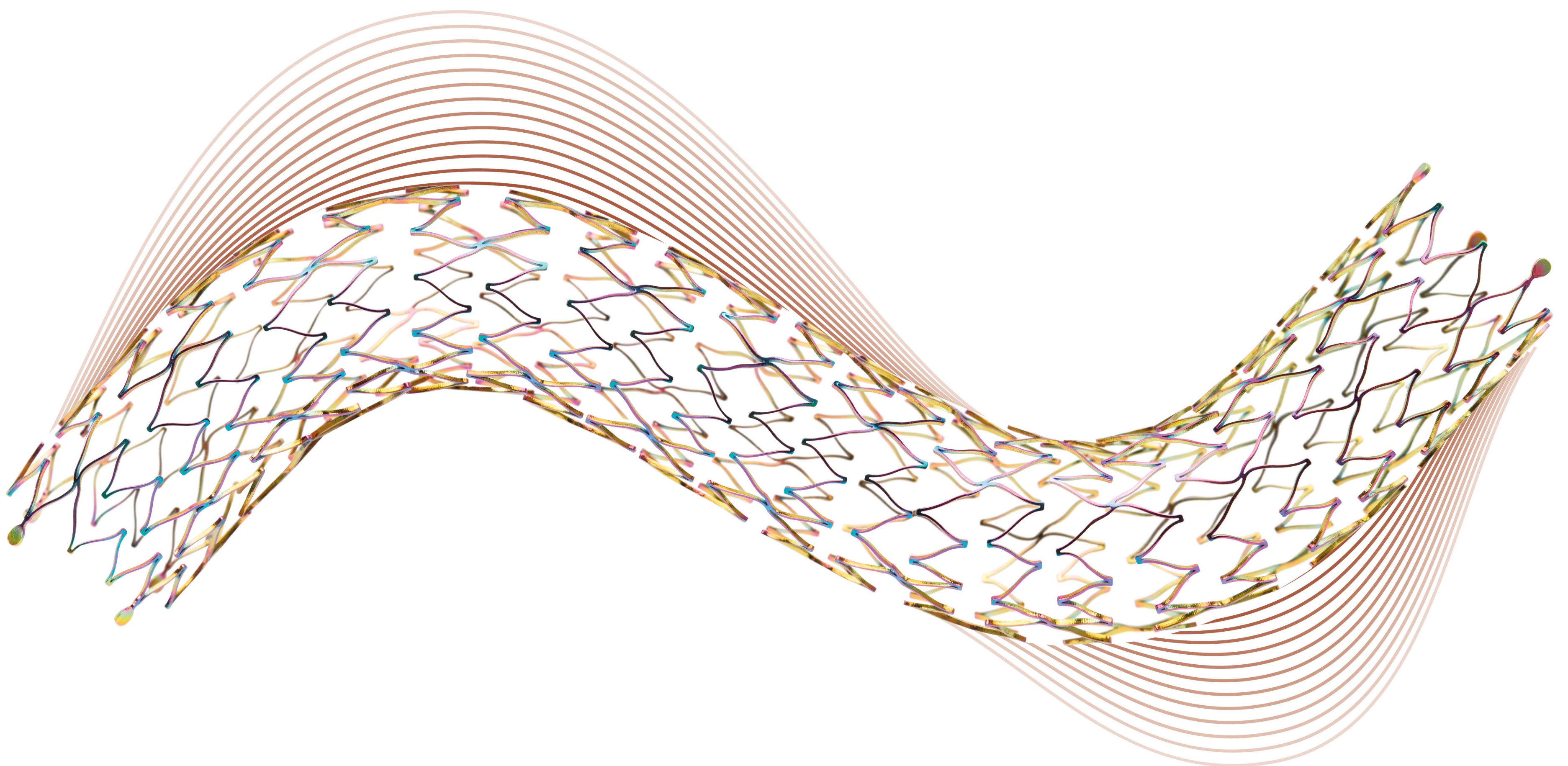


Print
version

Vascular Intervention // **Astron**
Self-Expanding Stent System/0.035"/OTW

BIOTRONIK
excellence for life

Case Report



Case report

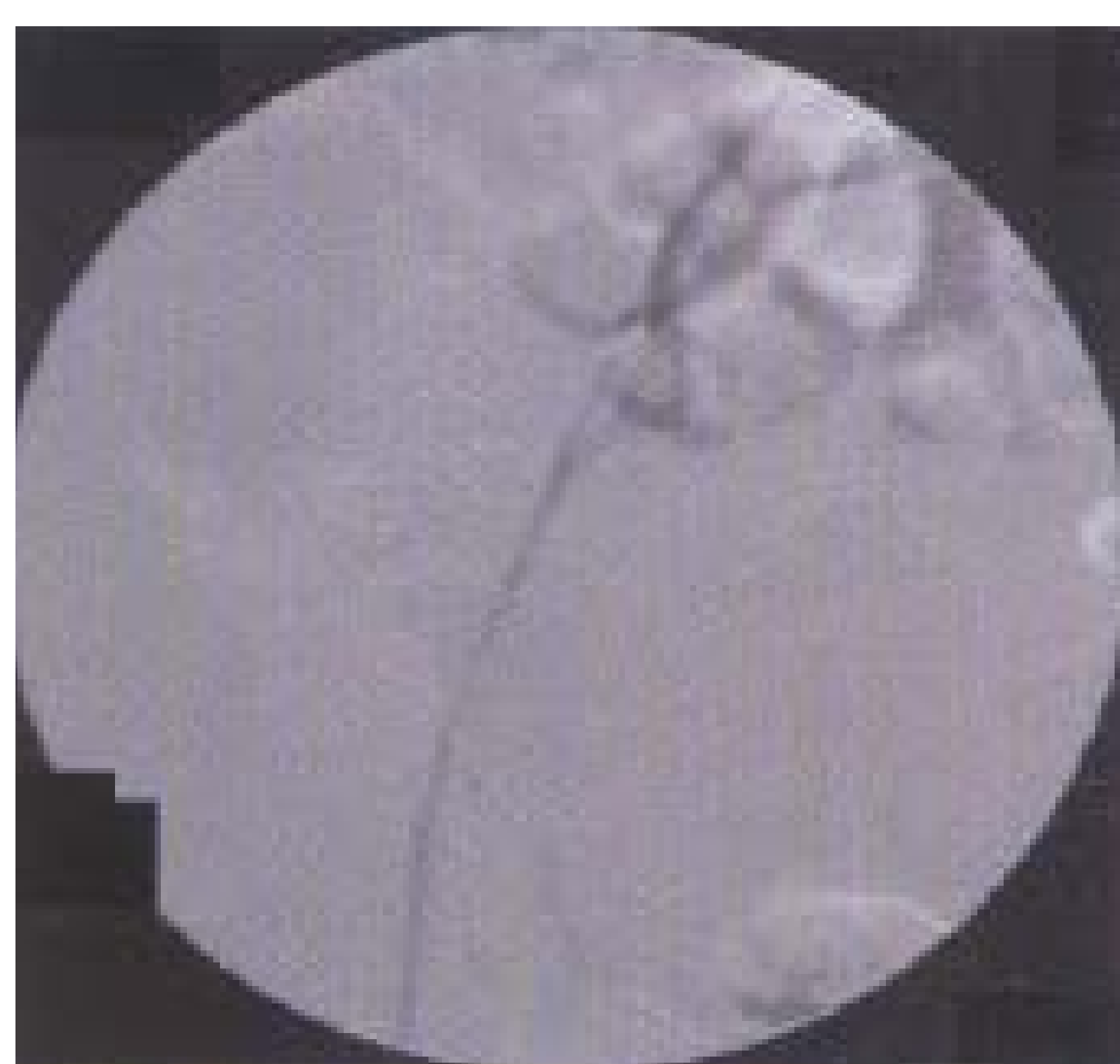
Self-expanding stent in iliac artery

Author

Dr. Antonio Kambara, Dr. Samuel Martins Moreira
Dante Pazzanese Hospital and Heart Hospital, São Paulo, SP, Brazil

1. Patient history

The patient is a 56-year-old female. She suffers from diabetes, hypercholesterolemia and smokes. Claudication started 2-years ago in right inferior limb to 200 meters with progressive worse and life-style limitation. Angiography showed stenosis in right external iliac artery.

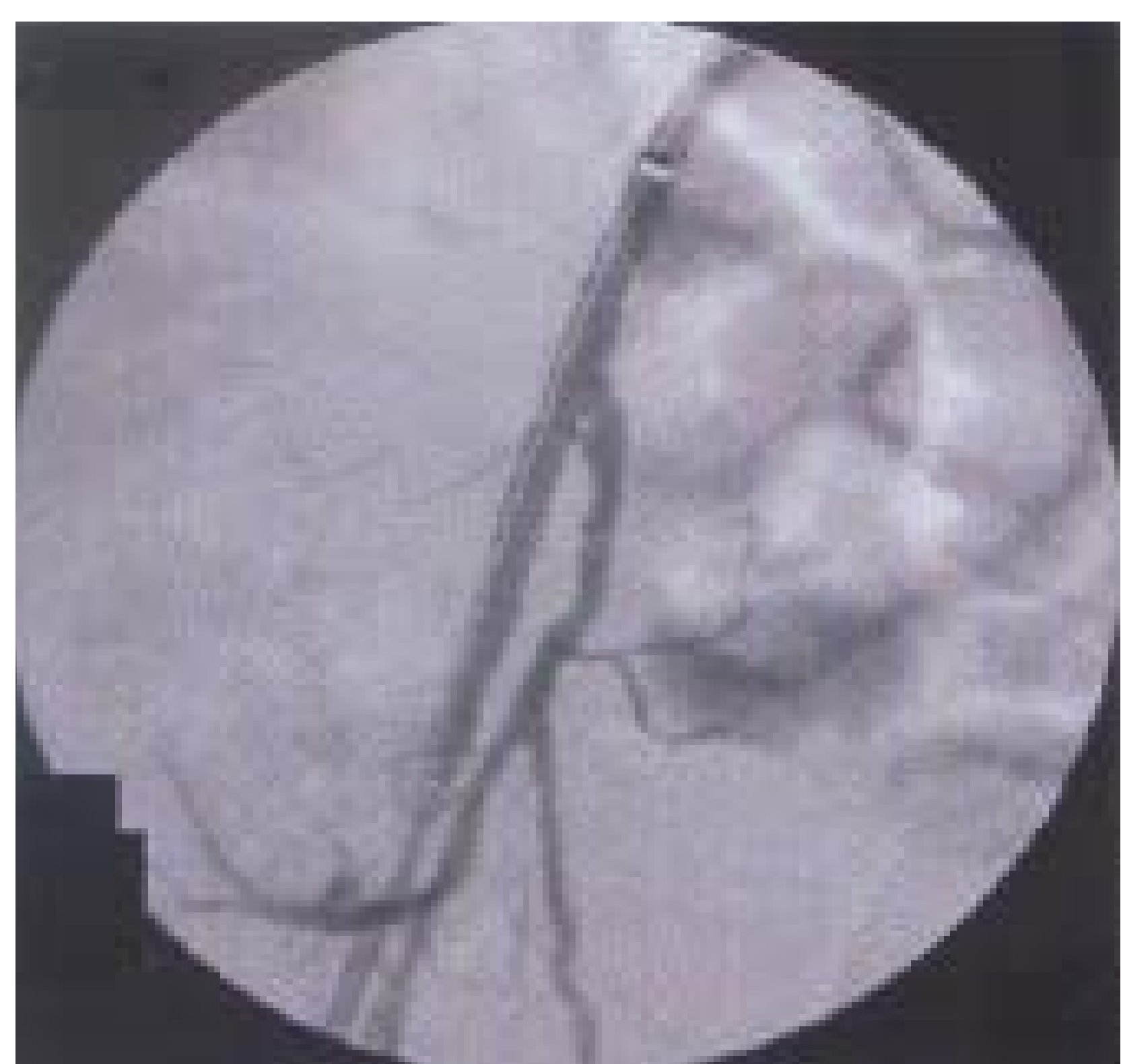


2. Procedure description

Pre-dilatation

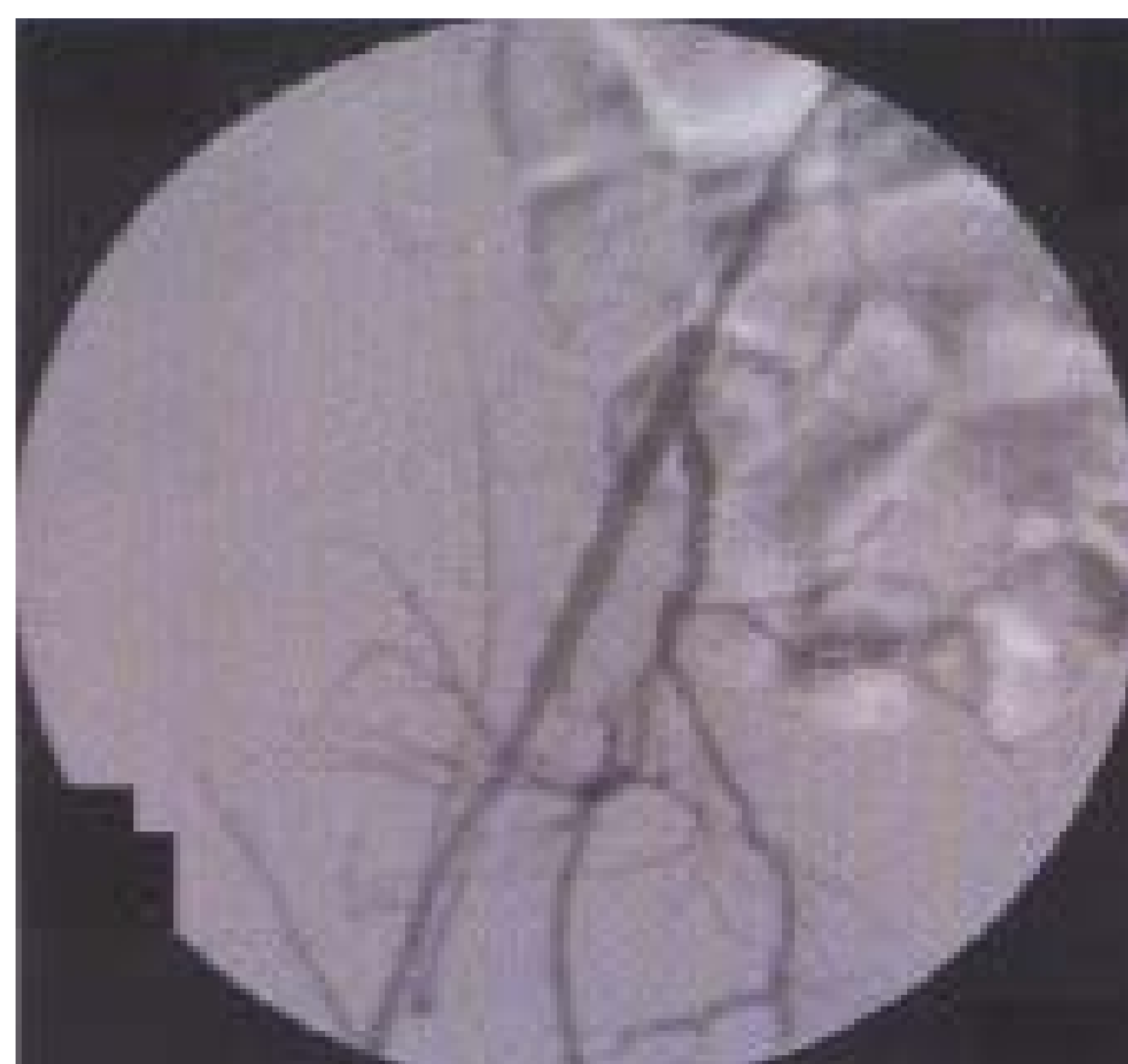
Procedure performed by catheterization and retrograde puncture in the common femoral artery, using the “cross-over” technique. Previous angiography showed stenosis in 1/3 medium distal of common iliac artery and 1/3 proximal of right external iliac artery with 40 mm extension.

Astron[®] 9.0 mm x 60 mm self-expanding stent placement. Post-dilatation of stent using balloon catheter Pheron 7.0 mm x 20 mm.



3. Final results and conclusion

Post-interventional angiography shows completely recovered arterial lumen in the treated segment. Spasm was observed after 1/3 of stent reverted with intra-arterial vasodilator. After five minutes normal flow was observed.



Astron

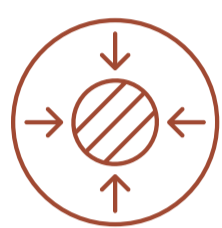
Indicated for improving luminal diameter in patients with iliac atherosclerotic lesions in vessel reference diameters between 4.3 mm and 9.5 mm and lesion lengths up to 105 mm



Clinically proven stent for the treatment of iliac disease



Pull-back delivery system for simple stent deployment



5.2F proximal shaft for contrast injection with device in sheath

Technical Data	Stent
Catheter type	OTW
Recommended guide wire	0.035"
Stent material	Nitinol
Strut thickness	225 µm (ø 10 mm = 230 µm)
Stent coating	proBIO [®] (Amorphous Silicon Carbide)
Stent markers	4 gold markers each end
Sizes	ø 7 - 10 mm; L: 30 - 80 mm
Proximal shaft	5.2F, hydrophobic coating
Usable length	72 and 120 cm

Ordering Information	Stent ø (mm)	Catheter length 72 cm			
		Stent length (mm)			
		30	40	60	80
6F	7.0	364645	364646	364647	364648
	8.0	364649	364650	364651	364652
	9.0	364653	364654	364655	364656
	10.0	-	364657	364658	364659

6F	Stent ø (mm)	Catheter length 120 cm			
		Stent length (mm)			
		30	40	60	80
	7.0	64660	364661	364662	364663
	8.0	364664	364665	364666	364667
	9.0	364668	364669	364670	364671

Astron and **proBIO** are trademarks or registered trademarks of the BIOTRONIK Group of Companies. All other trademarks cited herein are the property of their respective owners.