



CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES IN VASCULAR SURGERY

**JANUARY 25-27 2018**



MARRIOTT RIVE GAUCHE & CONFERENCE CENTER, **PARIS, FRANCE**

**Wich material for tibial vessels  
recanalisation?**

Maxime Sibé, MD  
Bordeaux , France



**Disclosure**

Speaker name:

.....SIBE.....

- ☐ I have the following potential conflicts of interest to report:
- ☐ Consulting
- ☐ Employment in industry
- ☐ Shareholder in a healthcare company
- ☐ Owner of a healthcare company
- ☐ Other(s)
- ☒ I do not have any potential conflict of interest



# specificities of leg artery lesions

- Multiple and complex lesions
- arteries often very calcified and small diameter
- Long lesions
- lesions sometimes very distal (arteries under the ankle)



## specificities of patients

- Often old and frail patients
- Diabetic
- painful and infected distal wounds (4 L and F / 5 et 6 R)
- threat of amputation

# Objectives of the treatment

- revascularize to heal
- soothe the pain
- quickly allow the recovery of autonomy
- treating these patients is an emergency





# Surgical management

- General plan : multidisciplinary support ( IRC,Cardiologic )
- Antibiotic ( stage 4 L and F or 5 and 6 R)
- sufficient clinical examination
- Therapeutic arteriography in the operating room (local anest.)

# Characteristics of the GUIDES

- Diameter : 0.014 and 0.018
- Length: 190 and 300
- Proximal Body Material: Stainless Steel
- distal body material: chromium and nitinol
- Proximal spiers: stainless steel
- Distal spiers: platinum, opaque radio
- different degrees of rigidity of the extremity: high flexible, flexible, medium ( right or J )

CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)

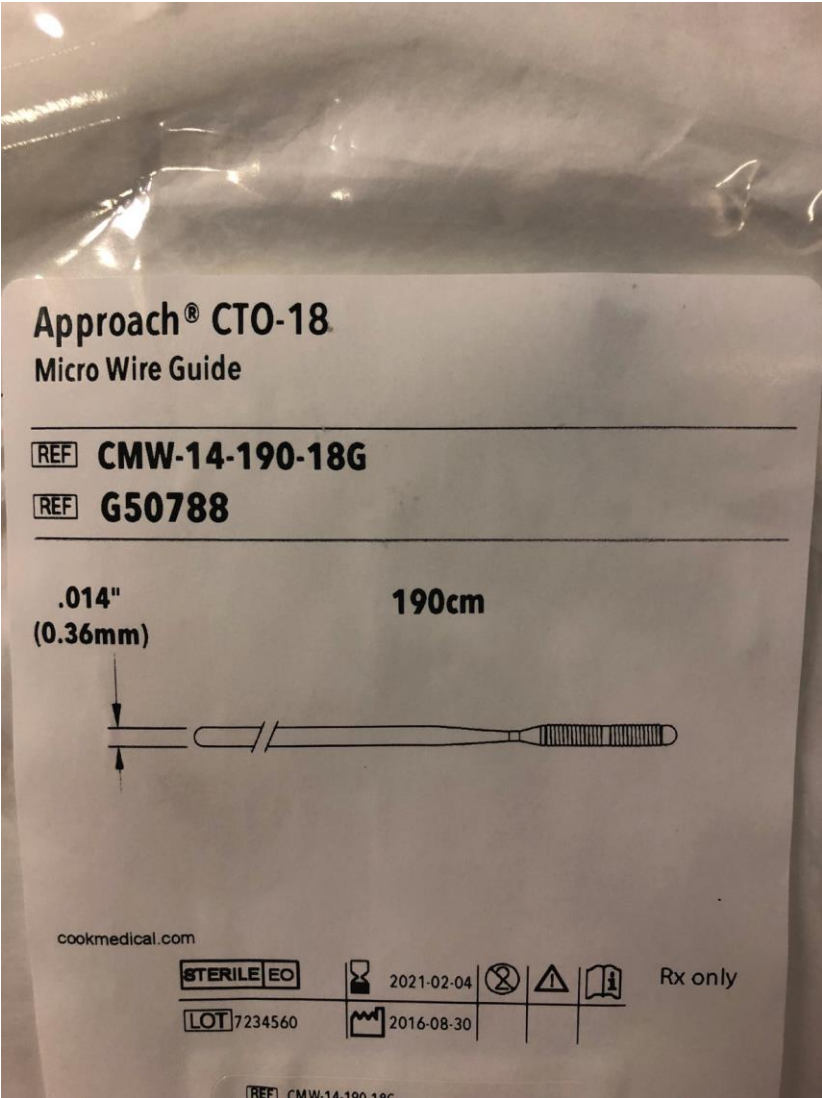






CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

JANUARY 25-27 2018  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE  
WWW.CACVS.ORG



# Characteristics of the micro-catheter

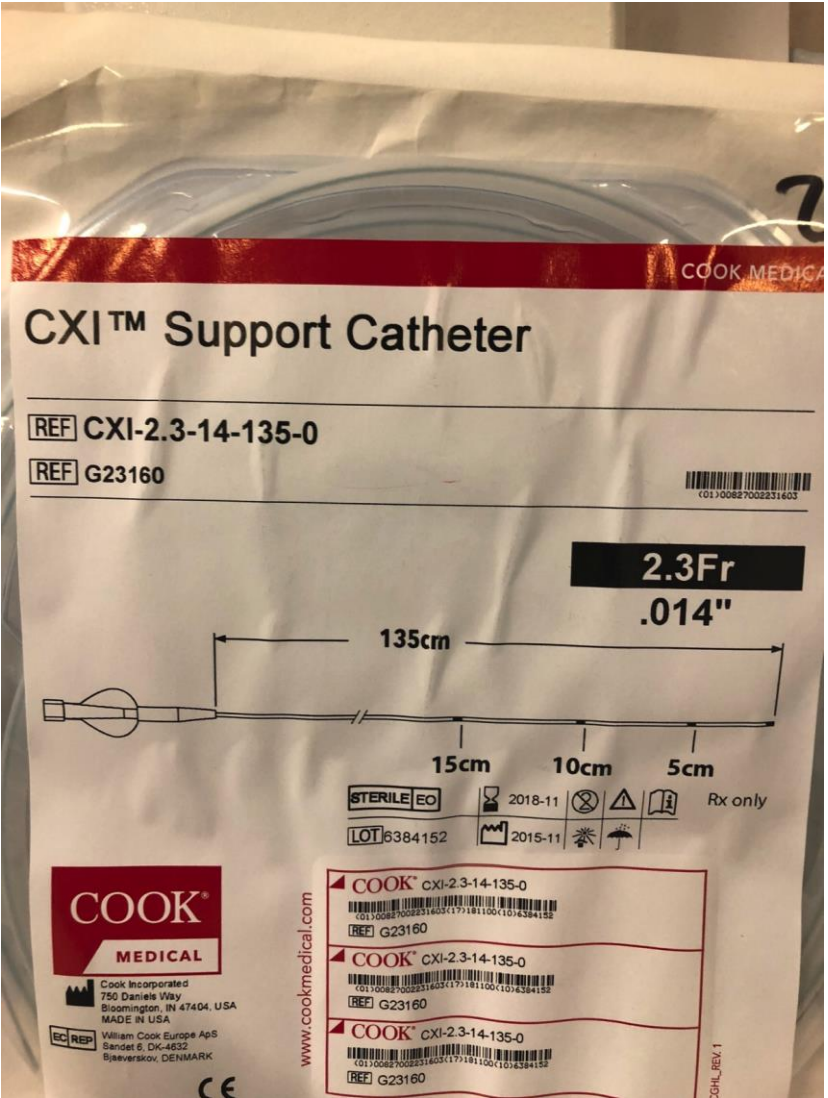
- Coaxial ( 155 cm of length)
- Proximal body material: Nylon
- Distal body material : Pebax
- Compatibility introduceur sheath: 4fr
- Proximale profile : 2,9 Fr ( 0.038 I)
- Extremity profile: 1,6 fr ( 0.021 I)
- Marker: distal . 1cm in platinum-iridium





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

JANUARY 25-27 2018  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE  
WWW.CACVS.ORG





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)







CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)



# Characteristics of the introducer sheath

- Diameter : 4 until 6 fr
- Length : 45 cm until 100 cm
- Body material: polymer reinforced by a stainless steel coil
- End: radio opaque marker
- always have a micropuncture kit





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

JANUARY 25-27 2018  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE  
WWW.CACVS.ORG



**Micropuncture® Introducer Set**  
**Silhouette® Transitionless**

REF **MPIS-402-NT-U-SST**  
REF **G56201**

21G / 7cm  
.018" / 40cm  
4.0Fr / 10cm

Rx only

STERILE EO	2019-10-04	⊗	
LOT 7329145	2016-10-04	☀	☔

CE 0088

REF MPIS-402-NT-U-SST  
REF G56201  
LOT 7329145

William Cook Europe ApS  
Sandet 6, DK-4632  
Bjæverskov, DENMARK

**CXI™ Support Catheter**

REF **CXI-2.6-18-90-ANG**  
REF **G56551**

2.6Fr  
.018"

90cm

15cm 10cm 5cm 4.5mm

Rx only

STERILE EO	2019-02	⊗	⚠	📖
LOT 6766177	2016-02	☀	☔	

COOK MEDICAL

COOK® CXI-2.6-18-90-ANG  
REF G56551

COOK® CXI-2.6-18-90-ANG  
REF G56551

COOK® CXI-2.6-18-90-ANG  
REF G56551

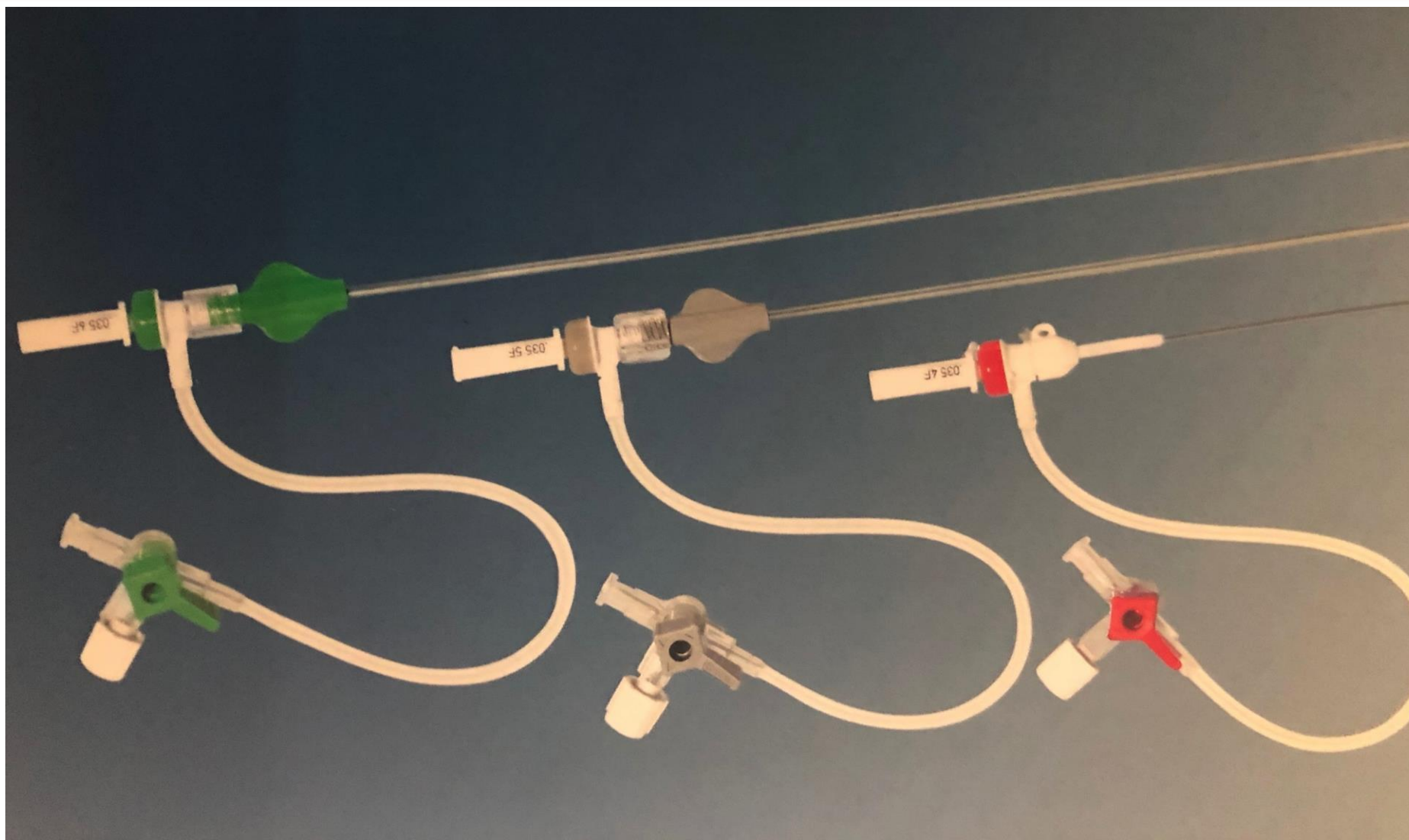
www.cookmedical.com

SHL-REV. 1



CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)





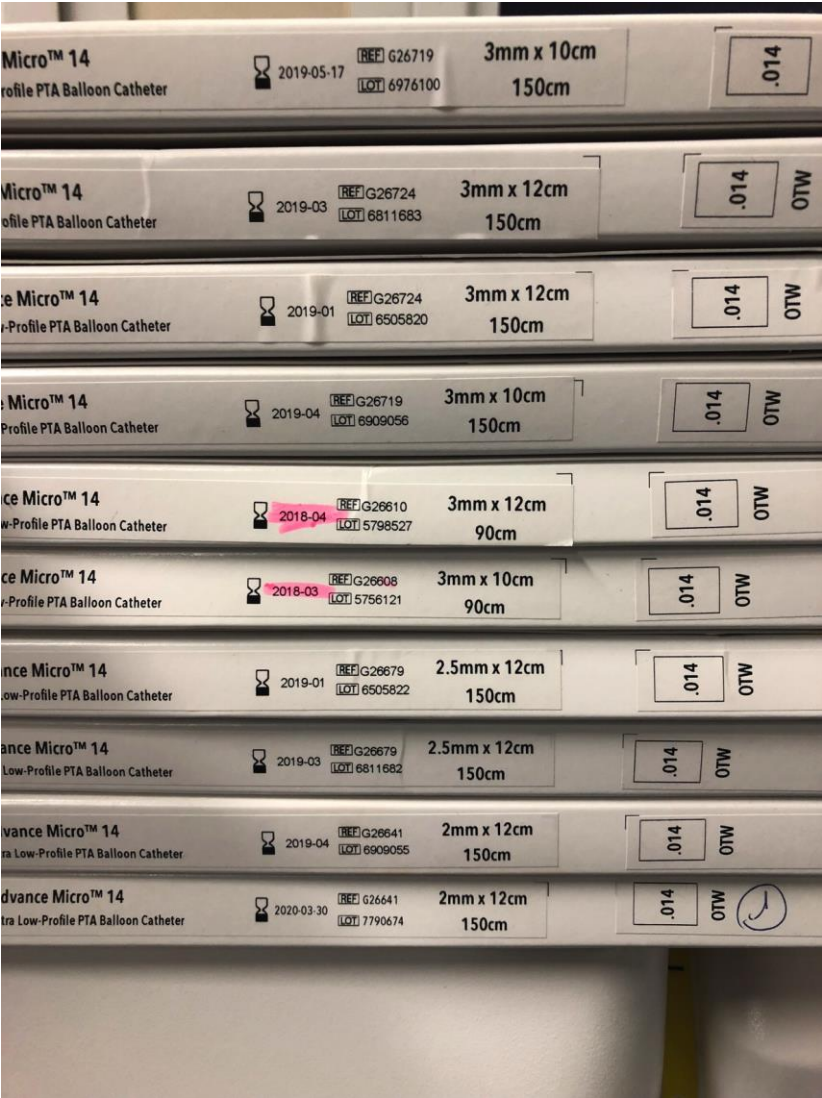
# Characteristics of the balloons

- Coaxial
- End : low profile
- Balloon material: PSC( polymere semi cristallin )
- 2 integrate markers
- Diameter: 1,5 at 4 mm
- Length : 2 cm- 200 cm
- useful length of the catheter : 150 cm



CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

JANUARY 25-27 2018  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE  
WWW.CACVS.ORG



# Characteristics of the stents

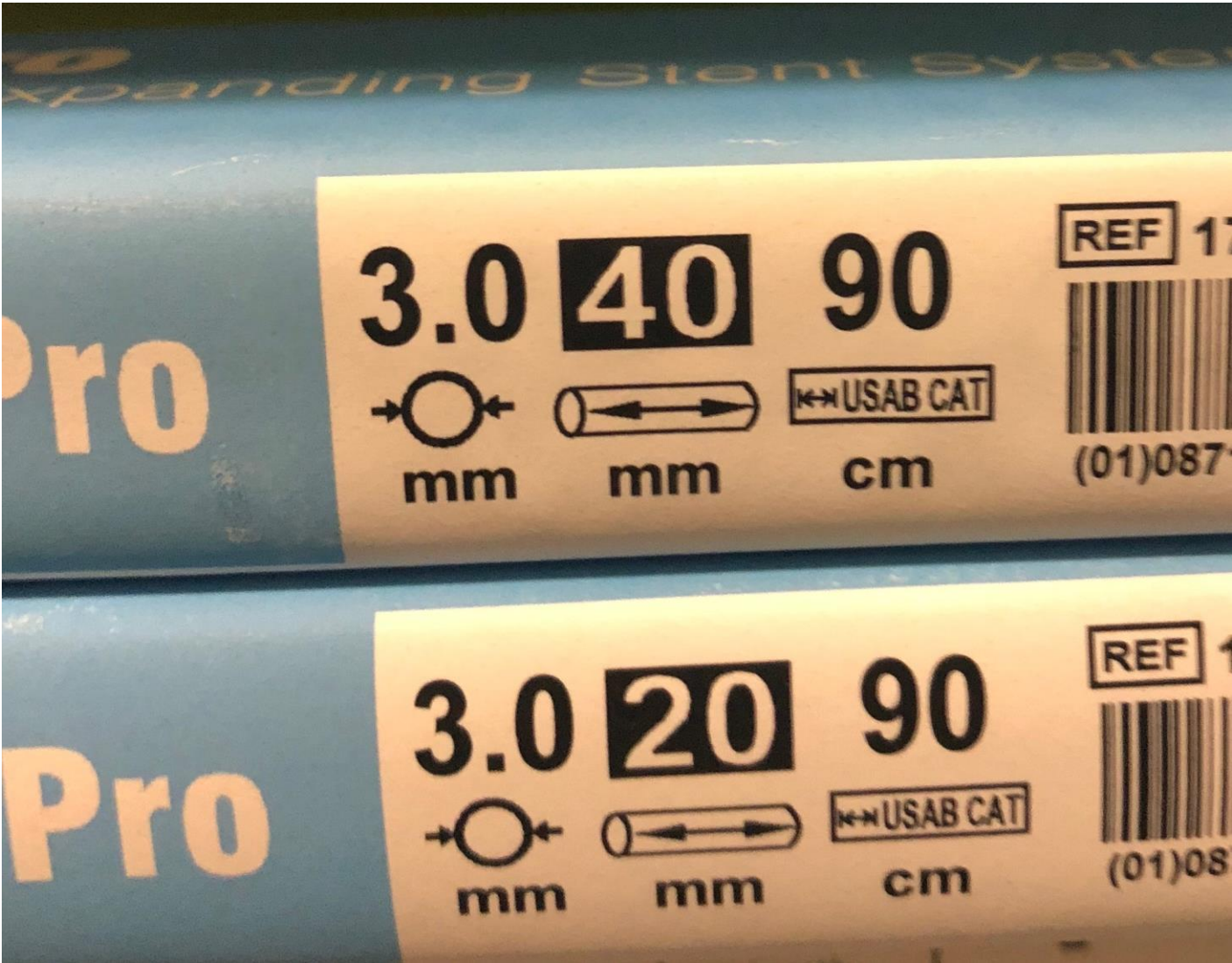
- Coaxial
- Auto-expandable
- Nitinol
- Diameter : 2,3 and 4 mm
- Length : 2 until 200 cm
- Balloon expandable stent ?





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

JANUARY 25-27 2018  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE  
WWW.CACVS.ORG







CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)

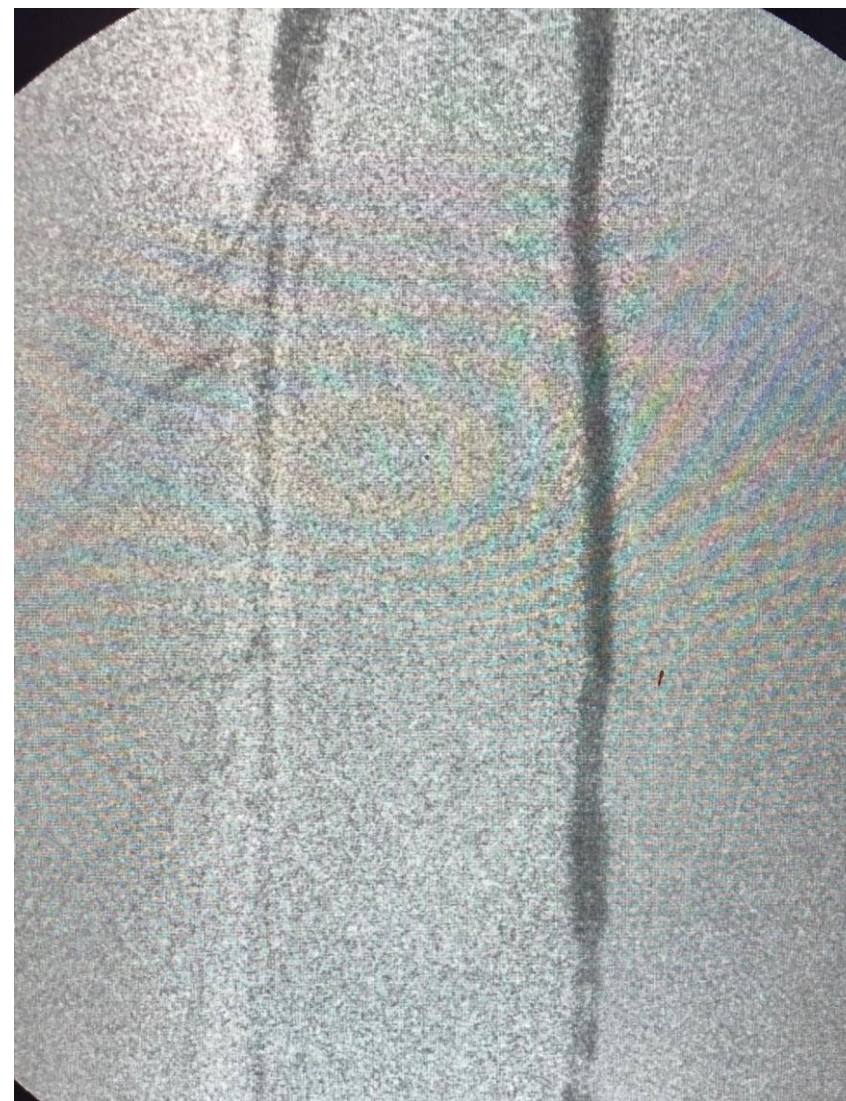
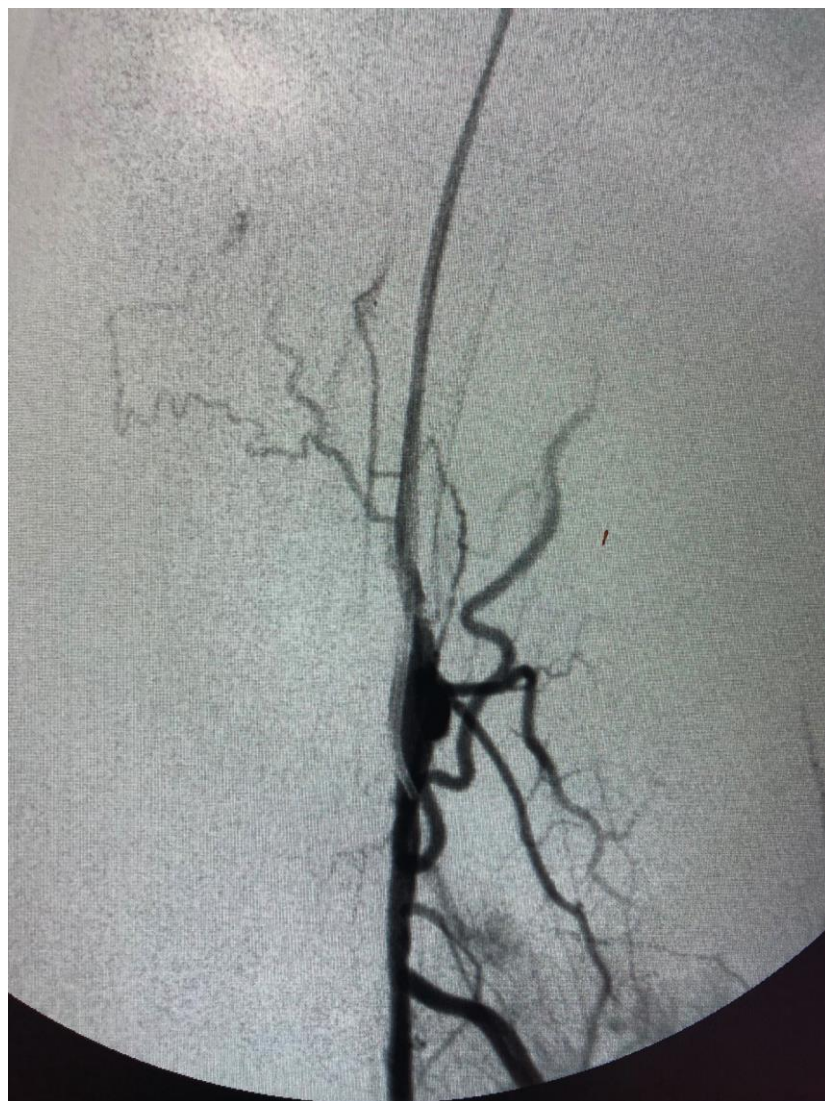






CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)







CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)







CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

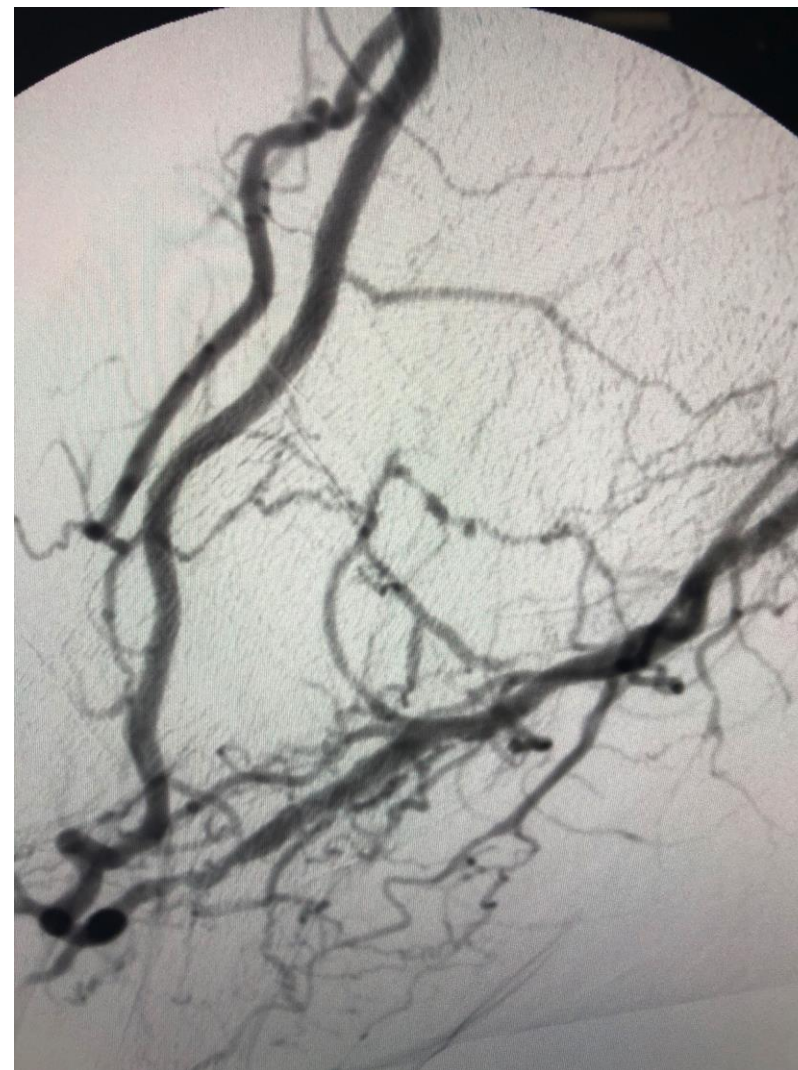
**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)







CONTOVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)





CONTROVERSES ET ACTUALITÉS EN CHIRURGIE VASCULAIRE  
**CONTROVERSIES & UPDATES  
IN VASCULAR SURGERY**

**JANUARY 25-27 2018**  
MARRIOTT RIVE GAUCHE & CONFERENCE CENTER  
PARIS, FRANCE [WWW.CACVS.ORG](http://WWW.CACVS.ORG)





**« there is no impregnable  
fortress; there are only badly  
attacked citadels » *Vauban(1633-  
1707)***