TASC D SFA occlusion:

What would you have done?
How I treated?

Koen Deloose, MD
Vascular Surgery, AZ Sint Blasius
Dendermonde, Belgium
Disclosure slide

Speaker name: Koen Deloose, MD

- I have the following potential conflicts of interest to report:

  - Consulting: Medtronic, Spectranetics, Biotronik, Abbott, Bard, iVascular, Bentley, Cook, GE Healthcare, Terumo, Contego Medical, Boston Scientific, B Braun
  - Employment in industry
  - Stockholder of a healthcare company
  - Owner of a healthcare company
  - Other(s)

- I do not have any potential conflict of interest
Case presentation

75 year old male

• History
  - FP1 bypass right 2008

• Vascular risk factors
  – Nicotine abuse
  – BMI 30

• Current status
  – Rutherford category 3 due to occlusion SFA left
Passage of the lesion

- Contralateral access, retrograde 6F, 45 cm sheath
- Berenstein 4F, 100cm
- Guidewire 0.035”, stiff, curved
- Guidewire 0.035”, stiff, straight
Passage of the lesion

- Contralateral access, retrograde 6F, 45 cm sheath
- Berenstein 4F, 100cm
- Guidewire 0.035”, stiff, straight
- Guidewire 0.035”, stiff, curved
Passage of the lesion
Passage of the lesion

- Berenstein 4F, 100cm
- Guidewire 0.018” WH
- Spinning loop technique
Vessel preparation: pre-treatment

• Balloon 4-5mm diameter

• High performance balloons

Correct sizing
Gradual inflation
Prolonged inflation time
Full deflation
Vessel definitive treatment

CAVE GEOGRAPHICAL MISSES
FINAL RESULT

• Satisfied?
• Need for scaffolding?
• Full metal jacket/spot stenting?
• Small spots/big spots?
• Flow limiting?
• Esthetics?
FINAL RESULT

PROVISIONAL STENTING
FINAL RESULT
Take home messages

• Correct access is key to success
• First intraluminal attempt (soft spot detection, fast spinning : dedicated materials)
• Plan B : subintimal recanalization (spinning) loop technique – close re-entry!
• Intensive vessel prep(/judge) is OBLIGATORY
• Dedicated balloons – correct angioplasty technique
• Modern generation metallic implants if/where necessary (?)
TASC D SFA occlusion:

What would you have done?
How I treated?

Koen Deloose, MD
Vascular Surgery, AZ Sint Blasius
Dendermonde, Belgium