IVUS guided intraluminal wiring for peripheral CTO lesion

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Disclosure

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I have the following potential conflicts of interest to report:

☐ Consulting
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☐ I do not have any potential conflict of interest
Role of IVUS

• Vessel diameter
• Lesion length

• Lesion morphology
• Dissection

• Stent expansion
• Wire passage
Eagle Eye® Platinum ST (Volcano)

Navifocus WR (Terumo)

OptiCross (Boston)
IVUS guided Intraluminal wiring for Iliac CTO
System

- 6Fr sheath
- 6Fr GC
- Volcano IVUS
- 0.014 inch CTO wire
- 6Fr GC
Intentional subintimal wiring to make a coaxial position

Shape of CTO wire 2cm
Parallel wire technique
6Fr GC

6Fr sheath
IVUS guided Intraluminal wiring for FP CTO
IVUS guided parallel wire technique

CTO-entrance
IVUS preceding technique

SFA-proximal-mid
IVUS preceding
SFA-distal
Wire preceding

SFA-distal
IVUS preceding CTO-exit
IVUS guided Intraluminal wiring for BTK CTO
Wire & IVUS preceding technique
Summary

Volcano IVUS use is very useful and feasible to achieve the antegrade intraluminal wire crossing without bidirectional approach.
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