Crossing Tough CTOs

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Disclosure

Speaker name: 
..Ralf Langhoff, MD..........................................................

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
Tools To help crossing CTOs

- Access strategy
- Support catheters
- Skills and tactile sensitivity and feedback from the material
- Wires, wires, wires,...
CLI Case left foot

78 y male,
- end stage renal disease since 16 y
- Diabetes
- art. hypertension

Diagnostic:
- ABI 0.9 left
- O2C= 9

Duplex:
- occlusion of ATA,
- proximal short occlusion of Peroneal
- A. dorsalis pedis patent
- mediasclerosis
CARNELIAN BTA Supportkatheter (Biotronik) and Regalia XS1.0 Wire (Asahi Intec)
Product concept

**ASAHI Halberd 0.014**

- Stiff-tip guidewire
- **Superior directional control** with strong torque transmission and penetration

**ASAHI Halberd 0.018**

- Stiff-tip guidewire
- **Balanced power** to cross highly resistant lesions
ASAHI Halberd 0.014

- Spring Coil: 5 cm
- Hydrophilic* Coating on Spring Coil and Wire: 33 cm

Tip Load: 12.0 gf

Length: 200 cm, 235 cm, 300 cm
Detailed characteristics

Superior directional control with strong torque transmission and penetration

Key characteristics

- Balanced support shaft design
- Micro-cone tip
- Composite Core with ACT ONE
- Mini pre-shape Armored Tip

Advantages in occluded lesions

- Push transmission
- Penetration
- Torque response
- Shape retention

Advantages in occluded lesions

- Easily catches the entry point of the occlusion
- Easy directional control
Balanced support shaft

The balanced support shaft increases push force transmission
The micro-cone tip increases penetration efficacy while tip flexibility is maintained.

Useful in entering hard occlusions
Micro-cone tip

*The above data was obtained by company standardized test, which may differ from industry standardized tests.
*The above data does not prove that all devices have exactly the same performance with the samples used for these tests.
Composite core

ACT ONE

Torque and durability

- Empty
- Nothing Protecting Core
- Only Core Wire Torqueing
- Protect Core From Kinking
- Increases Torque Force and response
Composite core

ACT ONE increases the torque force VS ‘Conventional’ coil

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Composite core

ACT ONE increases the torque response
Detailed characteristics

ASAHI Halberd 0.014

New ASAHI technology

Mini pre-shape Armored Tip

Soldered from the pre-shaped part until the ball tip

Retention of the small angle even in occluded lesions

Easy directional control in calcified occluded lesions due to superior tip shape retention

Able to manually apply a second curve after the soldering
• If you are not able to cross a lesion there is no further option of treatment!
• Wire crossing is essential!
• Spend your time to armour your cath.-lab with dedicated wires and support catheters to make your life easier and your interventions especially in tough CTOs more successful!