Zilver PTX Made Easy

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Disclosures

- Consultant / Speaker / Proctor / Advisory Board
  - Abbott
  - Bayer-Medrad
  - Boston Scientific
  - Cook
  - Ev 3-Covidien
  - Medtronic
  - Volcano
  - W.L. Gore & Associates
“Optimal Stent”

- **Immediate success**
  radial force and flexibility to give a successful outcome

- **Available Material**
  stents that come in the right lengths and diameters, device lengths and sheath compatibility

- **Ease of deployment and ease of use**
  easy, accurate and precise releasing system
  single handed
  good visibility

- **Long term success**
  patency and freedom from TLR for patient quality of life
  no fractures
G.M., 63 y, Male
Diabetic, smoker - Lt claudication <50 mt

> 120 mm

Zilver PTX
(Cook Inc.)

6x80 mm
6x80 mm
6x60 mm
February 3, 2007

Zilver PTX
(Cook Inc.)
6x80 mm
6x80 mm
6x60 mm

January 23, 2015

7.11 y F.U.
2009  7 Fr.  6 Fr.  2015
Pin and Pull

Advantages
- more “feeling” in the hand
- excellent device control
- safe mechanism

Disadvantages
- high force for stent deployment
- more resistance working in crossover
- less accuracy
- no friendly use (two hands)
- more challenges using long stent (>100 mm)
Thumbwheel

Advantages
- less force for stent deployment
- easier deployment also in tortuous anatomy
- single hand
- not influenced by approach or vessel morphology

Disadvantages
- less feeling in the hand
- not very precise deployment
- easy “jump” of the stent
- unsafe
**Thumbwheel**

**Advantages**
- less force for stent deployment
- easier deployment also in tortuous anatomy
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- not influenced by approach or vessel morphology

**Disadvantages**
- less feeling in the hand
- not very precise deployment
- easy “jump” of the stent
- unsafe
**Stent Retraction Sheath**
- Outer sheath, where stent is nested

**Stability Sheath**
- Stationary throughout deployment
- Ensures that systems stays stable
- No longer a need to hold check-flo on introducer sheath during deployment

**Inner Catheter**
- Wire and flushing lumen
- Fixed during deployment

**Triaxial Sheath Design**
C.E., 66 y, Female
Diabetic, smoker - Lt claudication <50 m

Jan 21, 2015

ABI 0.5
- Contralateral CFA access
- Cross-over
- Flexor 6Fr-45cm (Cook)

- CXI support catheter 4 Fr. (Cook)
- 0.035” standard hydrophilic guidewire (Cook)

- Zilver PTX (Cook)
  6 x 120 mm

Zilver PTX
Thumbwheel Delivery System (Cook)
Stent Stop Marker

Sheath Marker

single-handed thumbwheel

Device Safety Lock

Zilver PTX 6 x 120 mm - Cook
Zilver PTX 6 x 120 mm - Cook
Zilver PTX 6 x 120 mm - Cook
Zilver PTX 6 x 120 mm - Cook
LP 35
(Cook)
5 x 80 mm

Zilver PTX
6 x 120 mm
Cook
Zilver PTX 6 x 120 mm - Cook

ABI: 0.9
Why is the system accurate and precise?

- **The triaxial system**
  - Stability sheath
    reduces tension and forces between components
  - Stronger Nylon for outer sheaths
    reduces stretch in the system
  - A laser cut cannula for inner stability
    Reduces any compression

- **The Thumbwheel**
  - For ease of use – with single-handed ergonomic design
Conclusions

- Zilver PTX has added several design elements for new, simpler and more precise deployment
  - new, single-handed thumbwheel delivers precise, accurate stent deployment
  - 120mm long stent

- 5-year results of the PTX RCT confirm long-term superiority of Zilver PTX versus bare metal stents

- These data are also aligned to personal experience with more than 7 years follow-up