### When Antegrade Fails: Retrograde Crossing Strategies for SFA CTOs

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# **Disclosure Statement of Financial Interest**

Within the past 12 months, I or my spouse/partner have had a financial interest/arrangement or affiliation with the organization(s) listed below.

#### Affiliation/Financial Relationship

- Grant/Research Support
- Consulting Fees/Honoraria
- Major Stock Shareholder/Equity
- Royalty Income
- Ownership/Founder
- Intellectual Property Rights
- Other Financial Benefit

#### Company

- n/a
- BD, CSI, Cook Medical
- n/a
- n/a
- n/a
- n/a
- n/a

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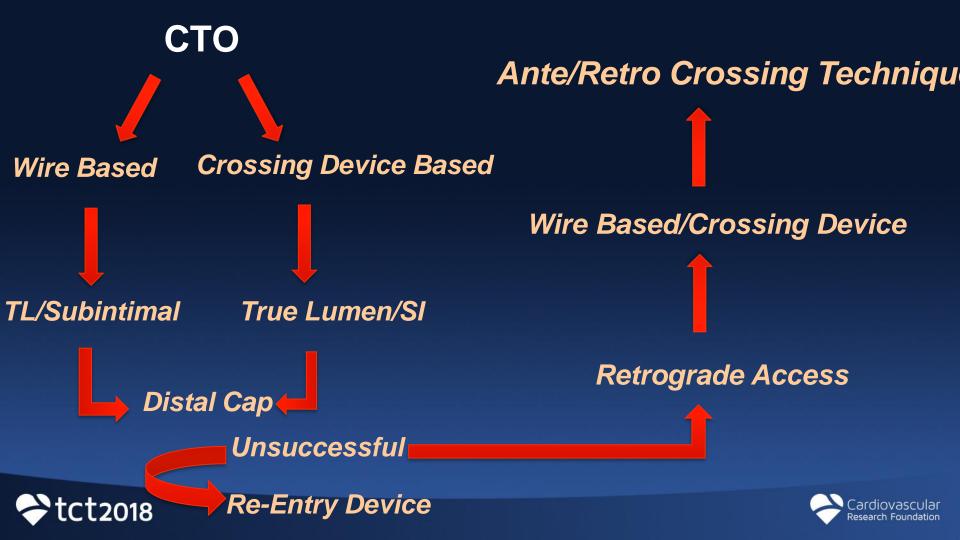


## **Retrograde crossing**

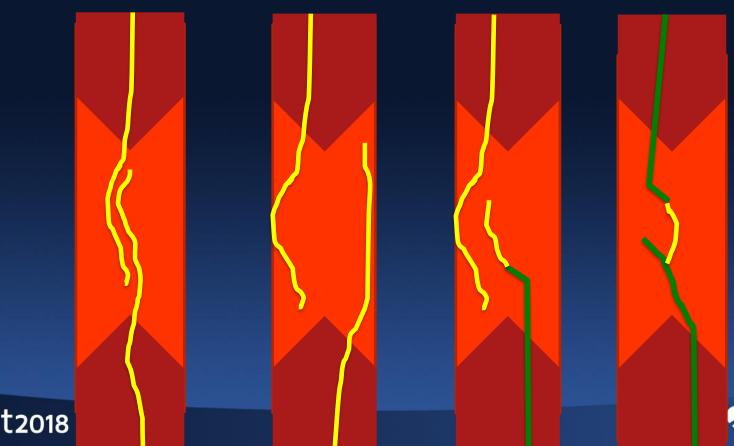
- Most, if not all the same techniques for antegrade crossing can be attempted retrograde
  - True lumen
  - Subintimal
  - Reentry
- Retrograde wire creates additional options for advanced crossing techniques



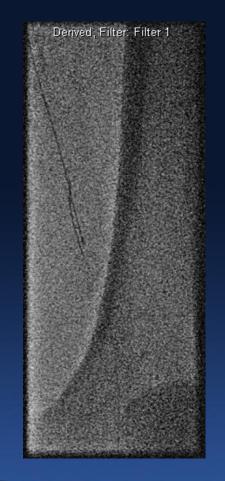


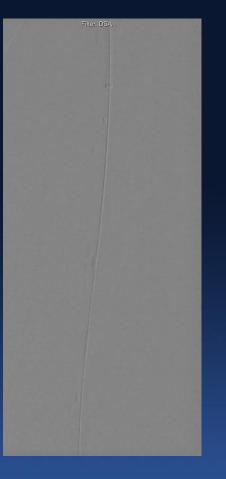


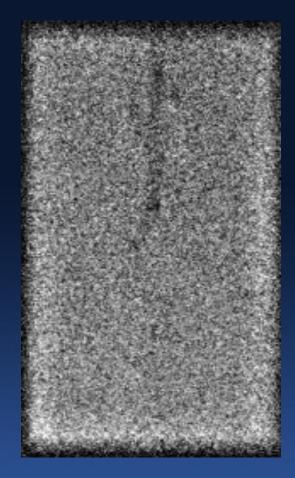
# Ante/Retrograde Approach to CTO







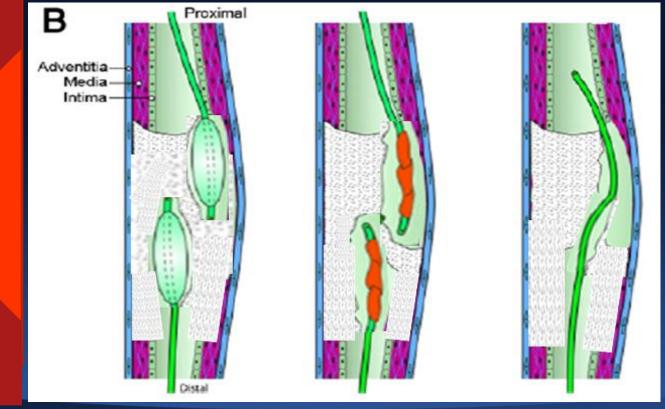








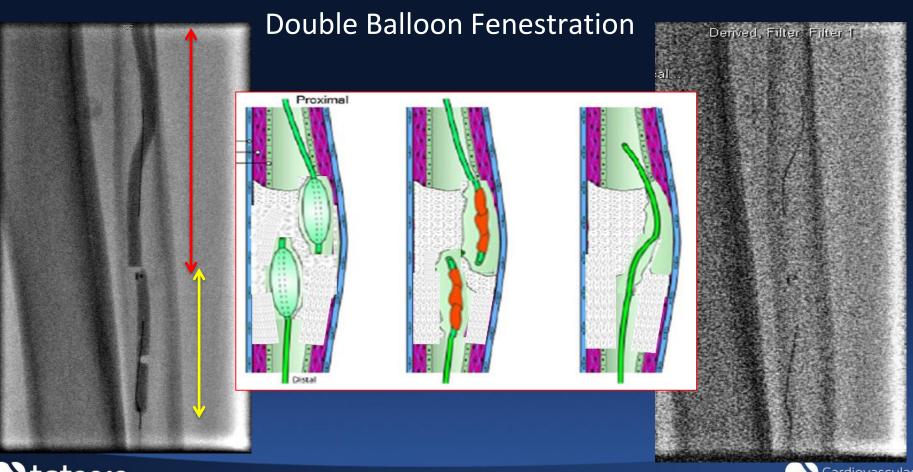
### **Double Balloon Fenestration**





Modified from Joyal,D et al. The Retrograde Technique for Recanalization of Chronic Total Occlusions. JACC Intervention 2012;5:1-11



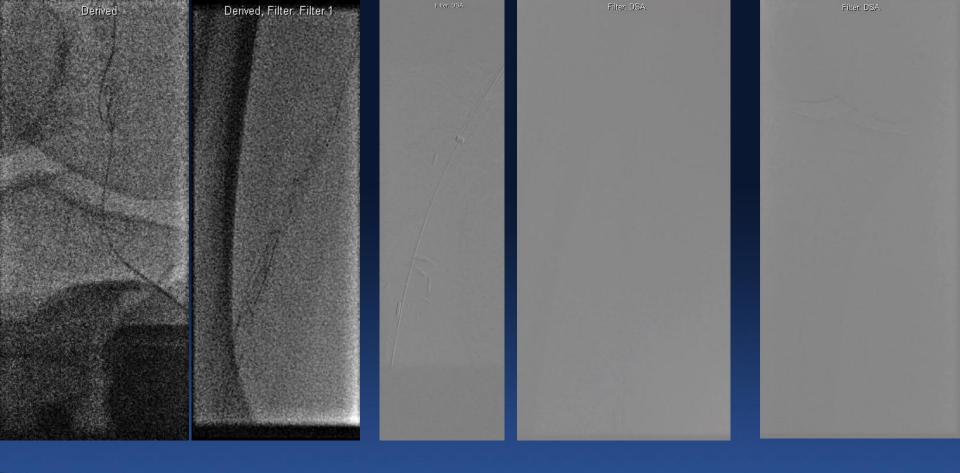








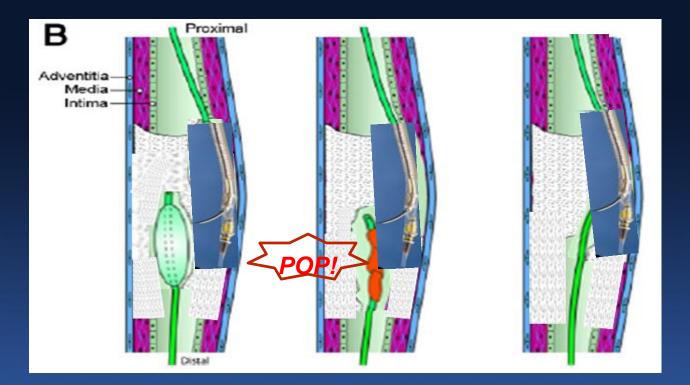








### **Reentry Assisted Fenestration**





Modified from Joyal,D et al. The Retrograde Technique for Recanalization of Chronic Total Occlusions. JACC Intervention 2012;5:1-11







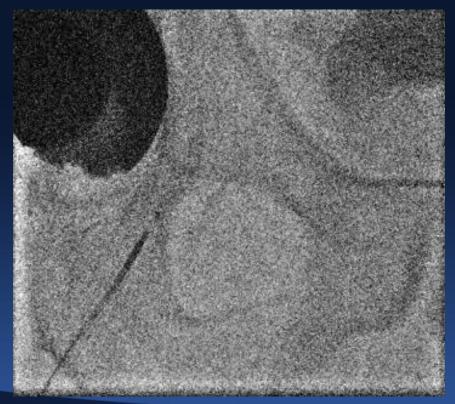




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#### **Retrograde Reentry**



• 5/6 Slender sheath

 Retrograde Outback reentry performed





# Conclusions

- Procedural Success is vital to limb salvage
- Retrograde approach can significantly increase crossing ability





#### Thank you for your attention



