Fast, Cheap Way to Cross Tibial CTOs Antegrade

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Maximizing Antegrade Crossing Success

- Use antegrade femoral access when possible.
  - Optimal wire control
  - Maximal wire and device push
- Become comfortable with a toolbox of wires
  - Hydrophilic
  - Non-hydrophilic
- Combine wire with a support catheter.
  - Hypo tube based maximizes push
  - Braided maximized control
- Quickly escalate strategies Don’t flog

Rules for using the Tools: Crossing Tibial CTOs

- Economically viable
  - Cost of device
- Cost of lab and physician time
- Cost of complications
- Time effective: Fast and easy
  - Low risk
  - Improved outcomes
    - Less occlusion extension
    - Less side branch occlusion

A wide selection of available devices

Techniques For Crossing Tibial CTO’s

- Antegrade Wire Crossing
  - True lumen channel technique
    - Soft wires
    - Drilling
    - More supportive wires /Higher gram at tip
    - Cap penetration
    - High gram tip wires
  - J- loop with reentry (not as easy as SFA if outside Ca+
  - Collateral work around
  - Pedal access for
23 years of experience techniques

- 018 Gold tip Glide wire
- Braided support catheter
- Tibial CTO
- Perf outside Ca+
- Upsize to .035 and catheter
- Lumen device
- Fail with heavy calcium outside
- Dissection unable to reenter
- Collateral work around
- Prox puncture balloon tech
- Dual balloon tech
- Pedal access

Case 4