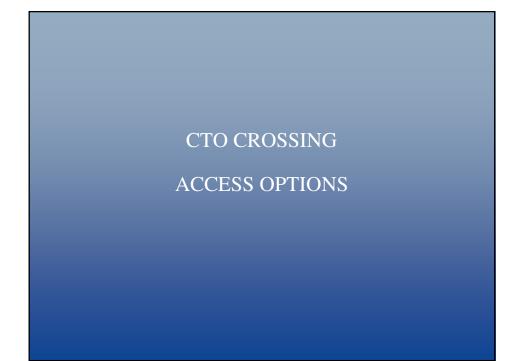
Ultrasound & Peripheral Arterial Interventions

Srini Tummala, MD
Director Vascular Disease & Amputation Prevention
Director EndoAVF Program
Dept. Vascular & Interventional Radiology
University of Miami Health System
Miami, FL

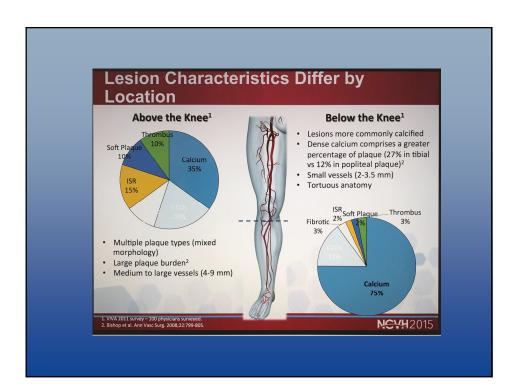
Disclosures:

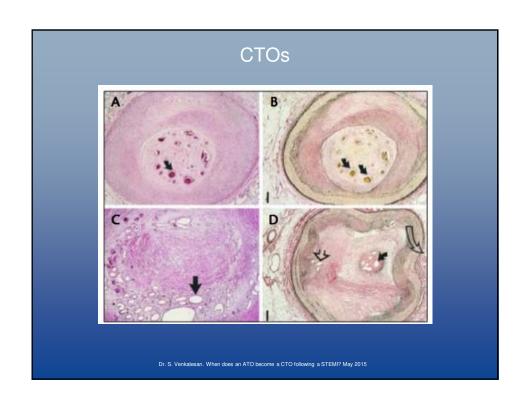
Consultant:

Abbott Vascular Cardiovascular Systems Inc Bard Peripheral Vascular



CTO CROSSING





### **CTOs**

### CTOs result in:

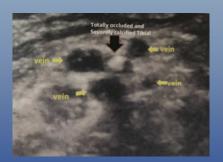
- Prolonged procedure time
- Increased radiation exposure
- Higher contrast volume
- Higher chance for dissection, AVF, and perforation
- Higher likelihood for stent placement
- 20% or greater failure rate to cross a CTO depending on the experience of the operator

Usman Javed MD, John R, Laird MD. Specialty Crossing Devices: Understanding the Learning Curve Technical Pearls and New Devices for Crossing Peripheral CTOs. Endovascular Today, May 2012.

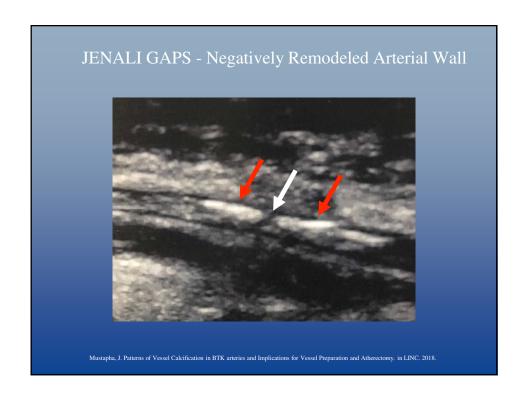
Heuser R. New tools for treatment of chronic total occlusions of the peripheral arteries. AMP Show Daily. 2016; August 11:8,10. Chronic Total Occlusions (CTO). Peripheral Intervention, Vol 24, Issue 12, Dec 2016.

## WHITE STOP SIGN

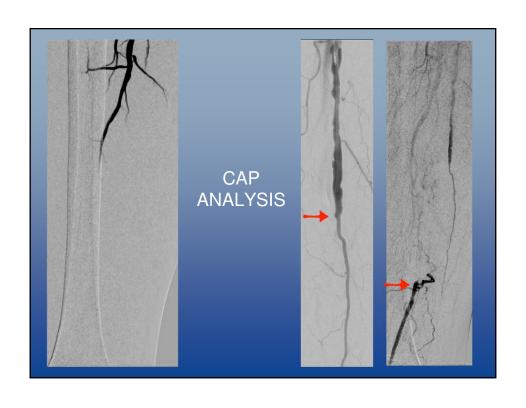


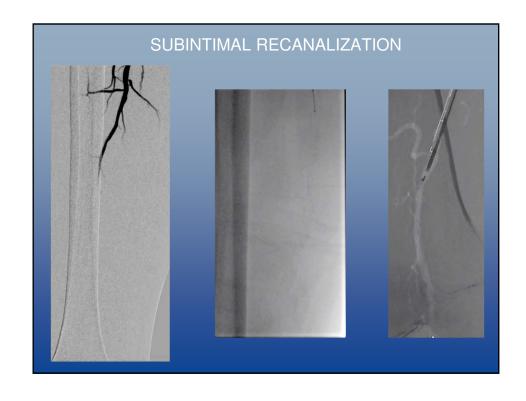


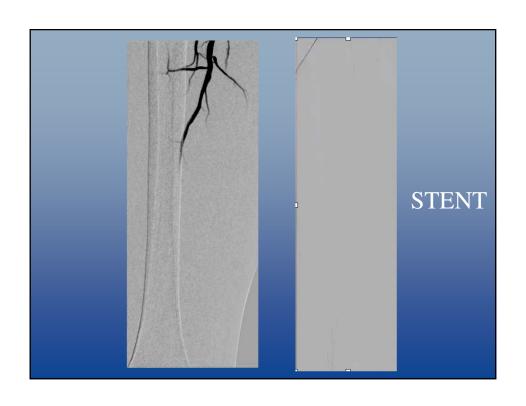
Mustapha, J., Saab, F., My Favorite Wires in Tibial and Plantar Circulation: A Case-Based Presentation. Cath Lab Digest, 2018. 26(2).



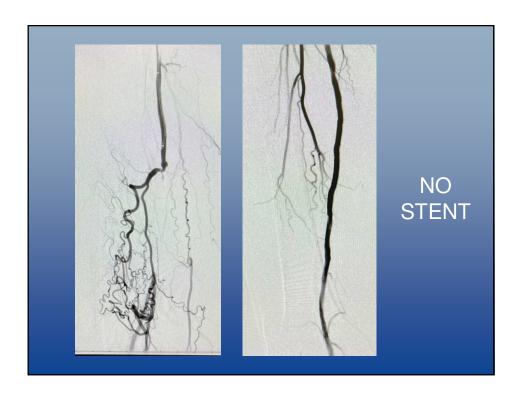


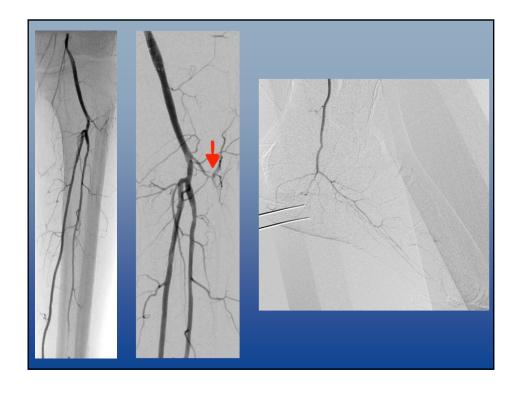


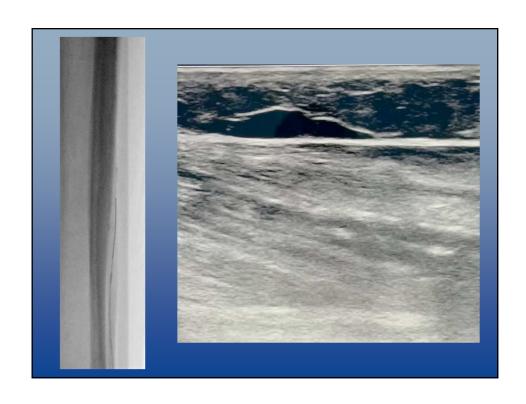


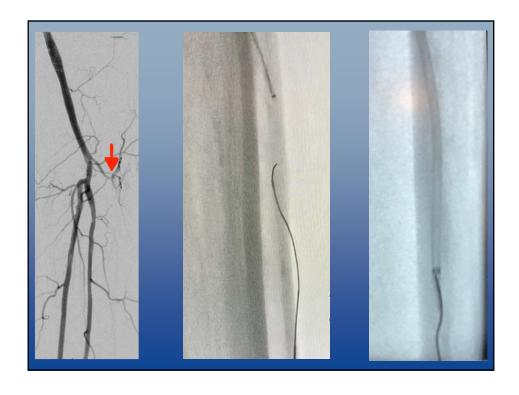




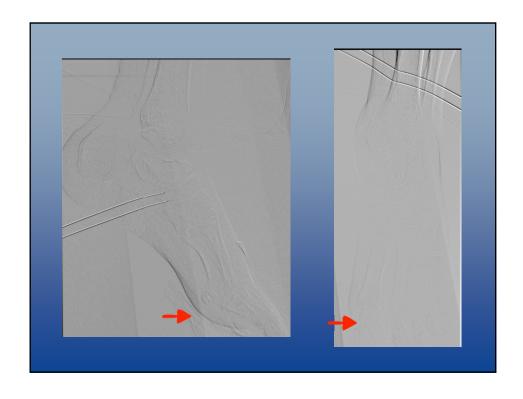




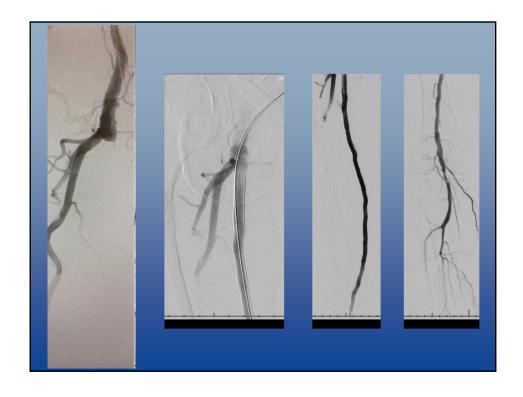


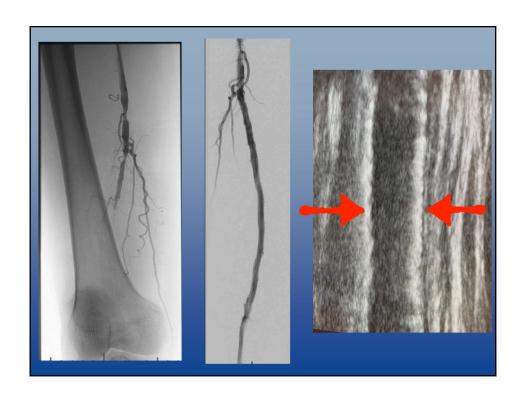


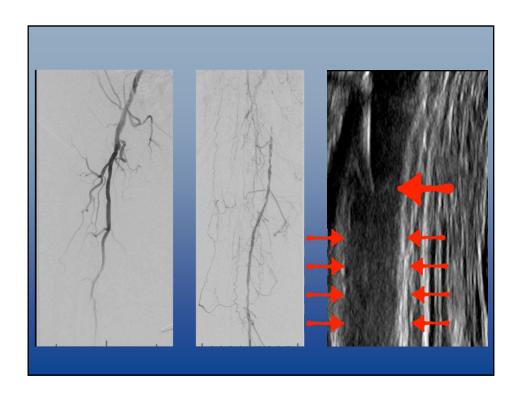


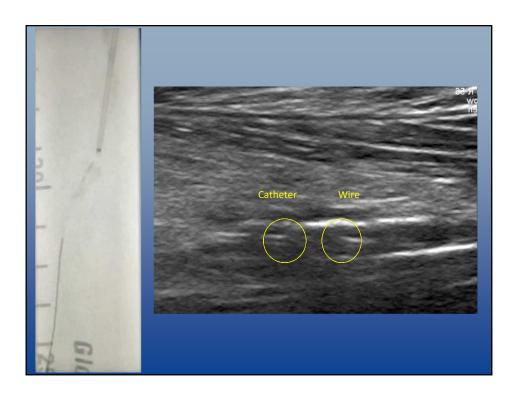


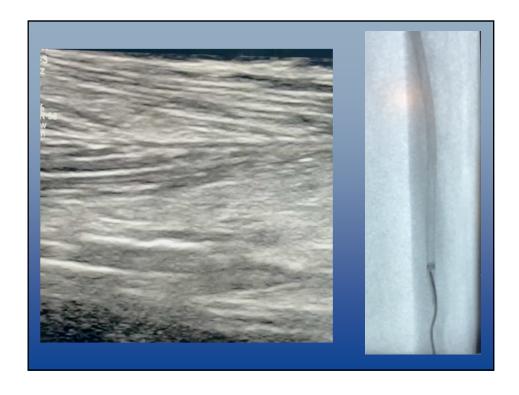


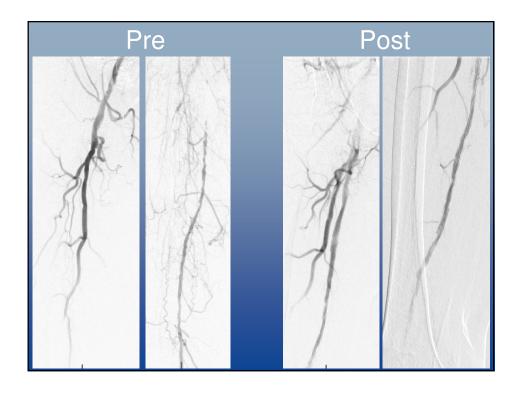


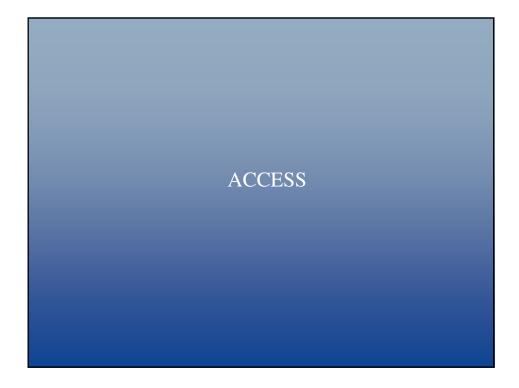


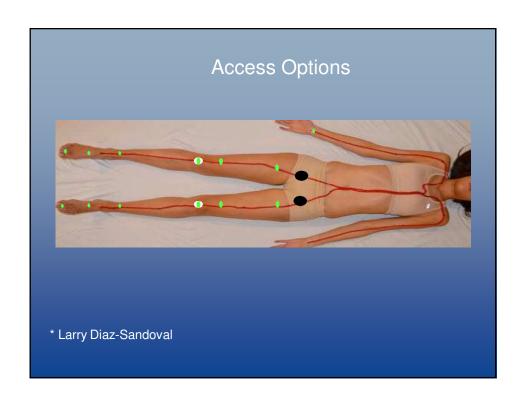


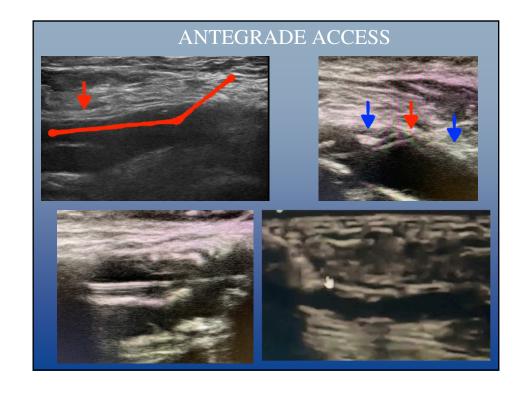




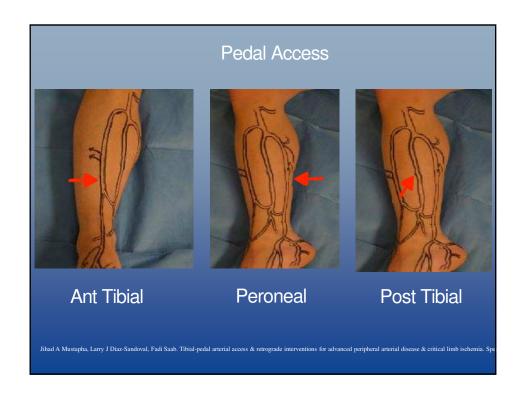


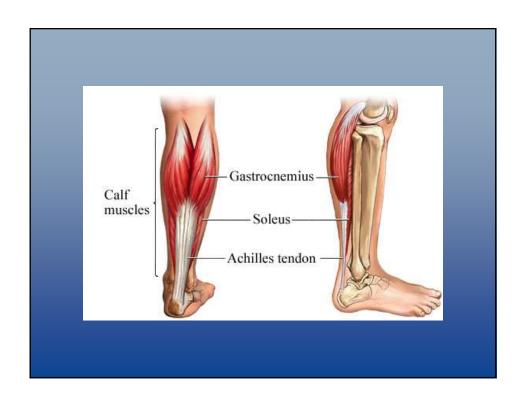


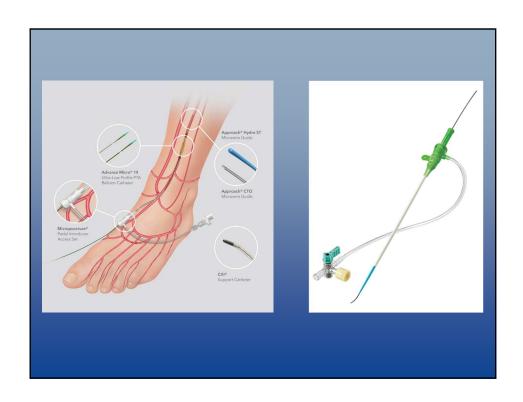




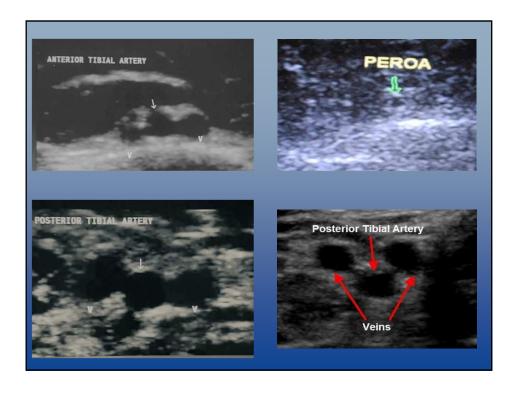
# Pedal Access











# Why Pedal Access?

- CTOs (chronic total obstruction)
- Morbid Obesity
- Hostile Groin
- Severely Diseased CFA
- Unable to lay flat
- Acute angulation aortic bifurcation; congenital or S/P aorto-bifemoral graft

# TAMI Technique

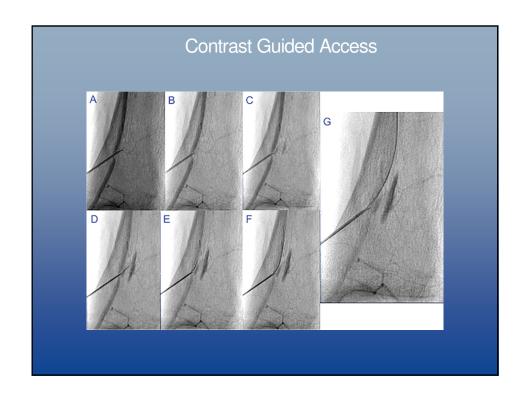
- Tibiopedal arterial minimally invasive retrograde revascularization
- Ability to treat arterial disease from below without access from above.

# Pedal Access Advantages

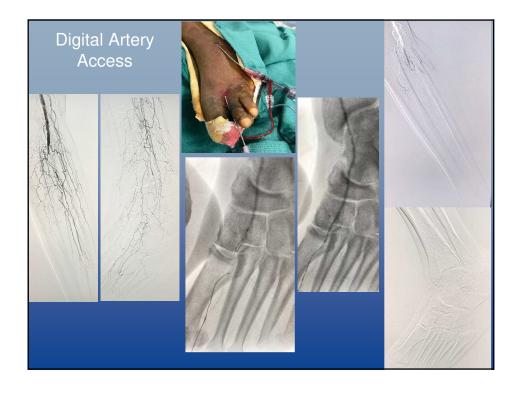
- Quick and easier hemostasis leading to less complications compared to antegrade CFA or SFA access.
- Quicker time to ambulation.
- Quicker discharge.
- Sometimes less procedure total time and fluoroscopy time, less contrast can be used while obtaining better image quality.

# Ultrasound Guided Access Migropuncture Neettle Posterior Tiblal Arrery

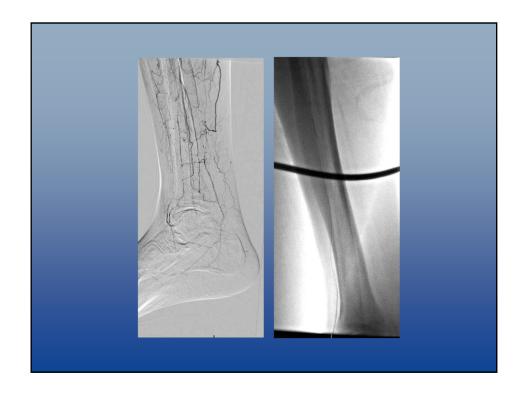


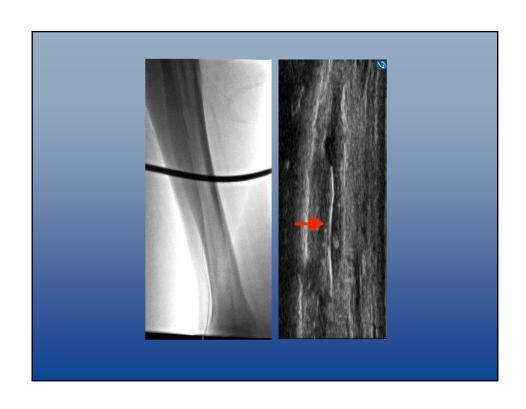


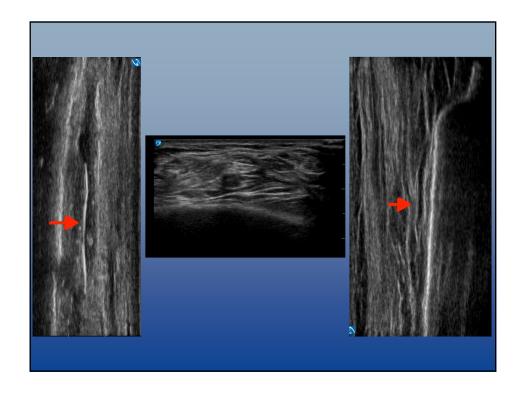


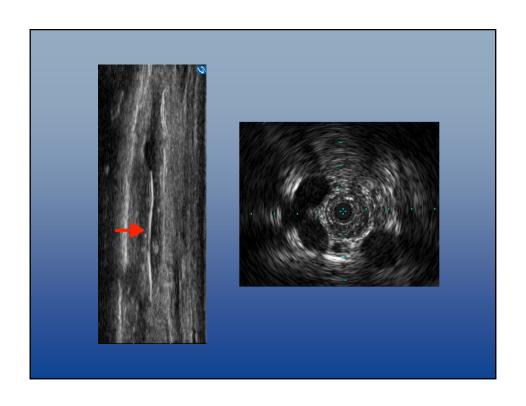




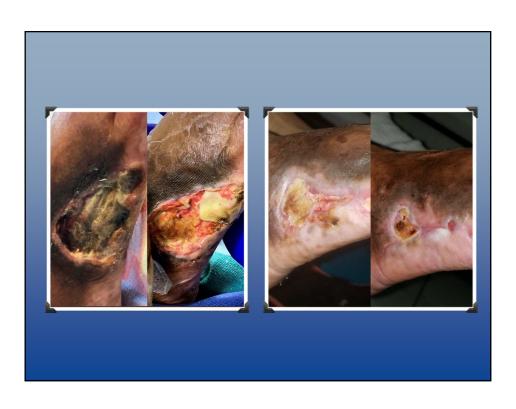














Thank You

YouTube—> Dr Tummala's Vascular Channel

Twitter —> @SriniTummala