USN Guidance for Peripheral CTO Treatment

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Disclosures

Consultant to:

• Abbott Vascular
• Bard Peripheral Vascular
• Boston Scientific
• Cardiovascular Systems, Inc.
• Cook Medical
• Medtronic
• Spectranetics
• Terumo Medical
EVUS guided CTO cap crossing
From the tibial access to the Pop CTO cap.
Retrograde Crossing Of CTO

Less Concern for Macro Embolization
Final Angiogram
Tibial Access Site
Ultra-sound guided Tibial-Pedal Interventions
Clinical Scenario

• 49 year old male with BMI is significant for DM. Long standing history.

• HTN, Hyperlipidemia

• The patient developed an ulcer on the plantar aspect of the left great toe.

• In four weeks, he presented to the office with........
Why show this case?
Ankle area is challenging

Options of therapy used to be limited

No stenting options

Resistant to balloon angioplasty
Final Result
Distal PT Before Intervention

Is there a role for intraoperative US/Doppler?
Angiosome Directed Therapy
EVUS Assisted Crossing of CTO
TAMI Technique
The Future
Clinical Scenario

• 57 year old with long standing history of diabetes since age 23.
• Presented S/P second toe amputation and a non healing ulcer at the site.
• Ulcer location and angiosome distribution corresponds to the Anterior tibial artery
• Rutherford class V
US-guided access of Dorsalis Pedis Artery
Orbital Atherectomy Crown Under US and Fluorscopy
THANK YOU

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