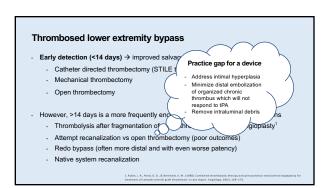
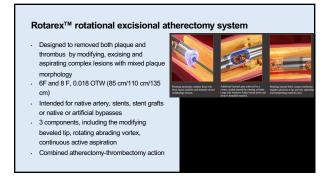


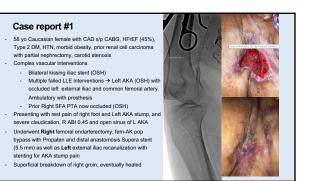
Disclosure

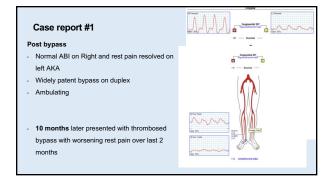
· No relevant disclosures to this talk

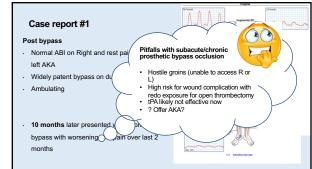
Chronic limb threatening ischemia 0.33% annual incidence and 0.74% 2-year prevalence in the Medicare population with Disease burden of rising numbers One year survival 77.7% Chronic residual occlusive ~44 vascular procedures per 100 person Occluded stents/prosthetic years (~90% endovascular) Single segment GSV bypass superior, but not Disease progression all patients are a candidate because of anatomic/physiologic constraints Significant proportion of patients receive spliced vein, composite, prosthetic bypass and/or complex endovascular intervention with Updated estimates for the burden of chronic limb-threatening ischemia in the Medicare population, Kwortg, Mirrmie et al. Journal of Vascular Surgery, Volume 77, Issue 6, 1760 described inferior patency











Case report #1

- Retrograde dorsalis pedis access (6 Fr Slender)
- Recanalization of thrombosed fem pop bypass
- Rotarex thromboathrectomy for the entire bypass and the distal anastomotic Supera stent
- · DCB angioplasty



Case report #1

- Patency restored with 3v runoff
- Palpable PT and DP pulses, rest pain resolved
- Discharged on POD 1 with triple therapy (Aspirin, Clopidogrel and Rivaroxaban)
- 3, 6, 9, 12 month follow up with graft duplex: Widely patent bypass
- Now ~ 18 months post op with patent bypass



Case report #2

- 79 Y F with HFrEF, Stable angina, COPD, Pulm HTN, HTN, T2DM, COPD, CKD
- Prior RLE Deep vein arterialization 6 months prior
- Now with thrombosed DVA stent graft as well as inflow SFA disease, rest pain along with RC6 CLTI (forefoot wound)
- Now with worsening rest pain and non healing forefoot wound



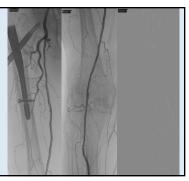
Case report #2

- · Left femoral access
- Crossed right SFA-pop-PTV
 deep venous arterialization stent
 into the PT vein
- 6 Fr Rotarex atherectomy for entire length
- Venturi effect on Viabahn stent in PT vein during atherectomy
- · PTA entire length



Case report #2

- Post thrombo-atherectomy, inline SFA, pop and pop-PTV DVA stent with intact pedal venous arch
- Palpable PT venous pulse post op and resolved rest pain



Conclusions

- Rotarex is a rotational excision atherectomy system with indications for wide spectrum of
 - Lesions: Atheromatous plaque, thrombus (acute, subacute, chronic) and neointimal hyperplasia
 - location (native artery, stent, prosthetic grafts, in-stent stenosis)
- Pitfalls of distal emboli, vasospasm, trackability can be easily resolved in most cases
- Combine with catheter directed thrombectomy, IVUS, DCB angioplasty, stenting etc depending on case requirements
- Call for multicenter study to evaluate outcomes for subacute/bypass thrombectomy



