Value Of Redo Tibial Bypasses: Technical Tips For Facilitating - Some Old And Some New Tricks

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No related disclosures	

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Challenges in Redo tibial bypass

- Difficult redo dissections
- Medical comorbidities (older/sicker patient)
- · Limited (poor quality) autogenous conduit
- Length of bypass required (more proximal inflow) Smaller, more distal and diseased outflow
- · Long procedures & technically challenging
- Requires meticulous wound, & post-op care (tissue loss/rest pain) Infection risk
- Need for surveillance
- Commitment in the event of graft failure

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Alternative Conduits

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Expanded Polytetrafluoroethylene Grafts in Reconstructive Arterial Surgery

- ort of the First 110 Consecutive Cases for Limb Salvage
- Frank J, Veith, MD; Charles M. Moss, MD; Stanley C. Fell, MD; Barbara A. Rh Eric Somberg, MD; Paul Weiss, MD; Scott J, Boley, MD; Henry Haimovid

rial reconstructions, including several new and performed with polytetrafluoroethylene (PTFE) ir three to 16 months. Patency rates were 100% lemoral artery, 95% with 66 bypasses to the

Observed 3-16 months Patency rates • ✓ To Fem (15) 100% ✓ To Pop (66) 95%

- ✓ To leg/foot (29) 76%
- Supports continued use and evaluation of PTFE

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Adjunctive Techniques - Patches, Cuffs

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Aggressive Re-operation & Re-intervention 2/3 patients with >3 bypasses all pts >3, 1/2 >4 bypasses Study 23 16 36% 0% 389 85 202 87% 1% 85 81 21% 4% Patients: Prosthetic Peri-op mortality Patency (yr): Limb Salvage (yr): 37%(5) 59%(5) 50%(3) 50%(3) 79%(4) 69%(4) 70%(3) 59%(3)

	Survival (yr):	80%(5)	62%(3)	67%(3)
No incremental failure rate Less than expected M&M (releated patients with extensive BVD)	PVD)	 Bartlett, et al. J Vasc Surg 1987;5(1):170-9 George, et al. Ann Vasc Surg 1994;8(4):332-6 De Frang, et al. J Vasc Surg 1994;19(2):268-76 Lipsitz, et al. Voscular, 21(2):63-8, 2013 		
	Lent support to an aggressive approach			

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Challenges in Redo tibial bypass

- Difficult redo dissections → alternative exposures/approaches
 Medical comorbidities → improved management
 Limited autogenous conduit → alternative conduits
 Length of bypass required → distal inflow and PTA
 Small, diseased outflow → techniques to manage
 Long procedures & post-op care → commitment & dedication
 Need for surveillance → enhanced protocols, Rx failing grafts
 Graft failure → thrombectomy and re-op (x multiple)

Requires a dedicated surgeon with robust open experience & skill!



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