AVERTING A BTK AMPUTATION

REVASCULARIZATION OF A DISTAL SFA POPLITEAL TIBIAL OCCLUSION AND PLACEMENT OF DRUG ELUTING STENTS ACROSS THE KNEE JOINT

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OPTIONS FOR TREATING LESIONS BEHIND THE KNEE JOINT

- Atherectomy
- Specialty Balloons:
  - DCB
  - Plaque-modifying
  - Cutting
  - Scoring
- Bare Metal Stents
- Stent Grafts
- Drug-Eluting Stents
WHICH IS THE BEST OPTION?

- **Atherectomy** → Effective in preparing the vessel
- **Specialty Balloons:** → Restenosis evident in certain populations
  - DCB
  - Plaque-modifying
  - Cutting
  - Scoring
- **Bare Metal Stents** → Risk of occlusion or thrombosis
- **Stent Graft** → Risk of occlusion or thrombosis
- **Drug-Eluting Stents** → *Best patency rates achieved with DES*
DRUG-ELUTING STENTS BEHIND THE KNEE JOINT

Placed DES behind the knee in 17 patients after COOK Zilver PTX commercial release in 2012

Best patency rates when comparing to other treatment modalities
  - Patients also achieve complete wound healing
CASE 1

54 YEAR OLD MALE WITH HISTORY OF DM, PVD, CLI, LEFT LEG BKA, RIGHT TOE AMP, WITH ULCERS TO THE RIGHT CALF AND HEEL
CASE 1

54 YEAR OLD MALE WITH HISTORY OF DM, PVD, CLI, LEFT LEG BKA, RIGHT TOE AMP, WITH ULCERS TO THE RIGHT CALF AND HEEL

1 Month Post-Procedure
CASE 1

54 YEAR OLD MALE WITH HISTORY OF DM, PVD, CLI, LEFT LEG BKA, RIGHT TOE AMP, WITH ULCERS TO THE RIGHT CALF AND HEEL

1 Month Post-Procedur
CASE 2

80 year old male with history of DM, HTN, HLD, severe rest pain, and non-healing ulcers of the right lower extremity. Patient was told by 2 surgeons that he needed a BTK amputation.
CASE 2

80 YEAR OLD MALE WITH HISTORY OF DM, HTN, HLD, SEVERE REST PAIN, AND NON-HEALING ULCERS OF THE RIGHT LOWER EXTREMITY. PATIENT WAS TOLD BY 2 SURGEONS THAT HE NEEDED A BTK AMPUTATION.
CASE 2

80 YEAR OLD MALE WITH HISTORY OF DM, HTN, HLD, SEVERE REST PAIN, AND NON-HEALING ULCERS OF THE RIGHT LOWER EXTREMITY. PATIENT WAS TOLD BY 2 SURGEONS THAT HE NEEDED A BTK AMPUTATION.
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3 Months Post-Procedure
CASE 2

80 Year Old Male with History of DM, HTN, HLD, Severe Rest Pain, and non-healing Ulcers of the Right Lower Extremity. Patient was told by 2 surgeons that he needed a BTK amputation.

7 Months Post-Procedure
Before Intervention
CASE 2

80 YEAR OLD MALE WITH HISTORY OF DM, HTN, HLD, SEVERE REST PAIN, AND NON-HEALING ULCERS OF THE RIGHT LOWER EXTREMITY. PATIENT WAS TOLD BY 2 SURGEONS THAT HE NEEDED A BTK AMPUTATION

7 Months Post-Procedure
After Intervention
THANK YOU

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