The Last Frontiers
Extreme BTK Intervention

Micro Knuckle Technique: Quick and Easy Recanalization of Re-occlude BTK Arteries

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Disclosure Statement

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Consulting for

Cardinal Health
Cordis Endovascular Japan
Boston Scientific
Terumo
Kaneka
Asahi Intecc
Tokai Medical Products
Future Medical Devices (FMD)
Nipro - Goodman
Medikit
Micro knuckle technique
Micro knuckle technique is also effective for re-occluded arteries.
Micro knuckle technique for re-occluded BTK arteries

CTO

POBA

Recoil and neointimal hyperplasia

Thrombotic reocclusion
A Case of Micro-knuckle Technique

60’s male
CLI (Rutherford 5)
Unhealed ulcer at right 4\textsuperscript{th} toe
We recanalized right PA and PTA 3m ago.
He claimed resting foot pain, and
wound healing process was stopped.
Control angiography (prox)
Control angiography (mid)
Advance guidewire to PA-CTO
Tip injection from micro-catheter
POBA for PA-CTO
Micro-knuckle technique for PTA-CTO
Advance guidewire to plantar artery
POBA for PTA-CTO
Final Angiography (Prox)
Take Home Message

Micro-knuckle technique is very effective method to open the re-occluded BTK arteries. Not only it is time saving, but also very safe.