Minimally invasive EVT for CIA/EIA/SFA-CTO using the IVUS preceding technique in the popliteal artery approach

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- 80-year-old male with moderate intermittent claudication and resting pain of the left leg
- He has chronic kidney disease of eGFR 31, CCR 26
- Lower limb angiography showed Lt. CIA/EIA/SFA-CTO
- We chose EVT with small amount of contrast medium using IVUS preceding technique via popliteal artery

a. IVUS preceding (blunt approach)
b. Hard part where IVUS does not proceed
c. GW preceding
d. Advanced Gogo catheter towards IVUS for reinforcement

GIP method, GIP: Gogo catheter with IVUS via Popliteal puncture

Devices
- 6Fr 25cm sheath
- 5.5Fr 65cm Gogo catheter
- IVUS: Eagle Eye Platinum ST
- GW: Treasure XS12
- GW: Cruise
- 5.5Fr 125cm Gogo catheter
- Balloon × 3
- Nitinol stent × 4

CIA/EIA-CTO
- fluoroscopy time: 34.0 min
- radiation dose: 166.1 mGy
- contrast medium: 7 ml

SFA-CTO
- fluoroscopy time: 9.6 min
- radiation dose: 22.8 mGy
- contrast medium: 10 ml

Total
- fluoroscopy time: 43.6 min
- radiation dose: 188.9 mGy
- contrast medium: 17 ml
- procedure time: 108 min